

# Clothing & Accessories

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HTX 15000 Offshore - Jacket



HTX 15000 Offshore - Trousers

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Lifejackets Dry Bag

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\*Lifejackets not included



# Quality Sailing Gear



All sailing clothes are designed in such a way so as to meet the demands of the sport they are to be used for. There is a wide variety in design and manufacture of sailing clothes, combining certain qualities and characteristics, such as waterproofness, breathability, comfort and durability depending on the conditions and use they are intended for. In order to meet every one's needs, Lalizas offers a wide range of professional sailing clothes, from traditional sailing outfits to high performance offshore clothing and leisure jackets that can be worn just as easily at sea as they can be on shore.

## Materials

The fabrics and materials used for Lalizas clothes are chosen based on their ability to meet the demand of various sailing levels. More specifically the fabrics used by Lalizas, are the following:

- Taslon Nylon Oxford / Taslon Nylon / Cordura: All of them are fabrics used in Lalizas clothing. The main difference to the wearer is that the Taslon Nylon is softer and has a more cotton like feeling and touch than Taslon Nylon Oxford. Cordura is rougher on its surface and mostly used as reinforcement on parts that endure friction, such as elbows, knees and seats.

- In addition to the above fabrics, Lalizas uses Neoprene on the inner handcuffs (depending on the model) to absorb water and maintain body temperature. 'Pro Race' Wetsuits are also made of neoprene as it provides the necessary stability in body temperature, as well as, comfort.

PVC and PU are fabric coatings used by Lalizas. Both are water-impermeable materials that are coated on the fabric to keep the water out of the garment.

- PVC: PVC is a Polyvinyl Chloride material of high durability and abrasion resistance. Garments coated with PVC and sealed seams eliminate the possibility of water finding its way through the fabric 100%. Lalizas has chosen the PVC coating on the inside and outside of Fishermen gear, as it is needed to wipe out easily fish blood and grease. PVC coating was also chosen for the IT Inshore garments, as we believe that especially for beginners, children and occasional sailors the major demand is to keep them absolutely dry and easy to clean.

- PU: PU is a synthetic polymer (Polyurethane) that is lighter and more flexible than PVC. It is ideal for cruising based on its flexibility as it lacks the abrasion resistance of PVC and therefore is only applied on the inside of the garment. It is important that PU coated garments are taped to prevent water from getting in through stitch holes. Lalizas has chosen this coating on ALL of its breathable garments: HTX 15000 Offshore, Skipper 'MC Maximum Comfort', 'Extreme Sail XS', 'Free Sail FS' and the 'XTS Extreme'.

A very important feature is that all seams are heat-welded, so as to avoid water ingress through stitching.

## Breathability & Waterproofness

PU coatings allow the garment to be breathable and waterproof. How can that be? Moisture molecules are smaller than water molecules. Based on this, the pores of the PU coating on the outer fabric allow the smaller moisture molecules to pass through its pores to the outside, which makes the garment breathable. The water molecules, on the other hand, are larger than the PU pores of the PU coating and therefore are blocked on the outside, making the garment water resistant and waterproof.

## Dressed for Action

The crew should always stay dry and warm, no matter the weather. Loss of body heat, which leads to hypothermia, is one of the major dangers when sailing. Prolonged exposure to cold tires out the body quickly. Even a fit and experienced person with regular clothing, will lose consciousness within two or three hours, after being immersed in water at 17°C. Naturally, the time is diminished if the water is colder than 17°C. Therefore, all crew members should have access to suitable clothing, which is fully functional and protect against hypothermia.

## In general consider the following:

- In order to maintain the appropriate body temperature, it is advised to wear many thin layers of clothing, rather than one thick layer
- Base and mid layers should be fleece and fibre pile garments, which trap warm air and provide quick drying comfort
- The outer layer should preferably be sailing gear for full weather use. Chest high trousers and jacket with high collar, hood and storm cuffs will provide a complete barrier against rain, spray and wind. Breathable fabrics, which transmit sweat to the outside, are likely to provide the best performance. Bright colours and retro-reflective stripes are strongly recommended.

## Head, hands and feet should also be protected

Head: One third (1/3) of body heat is lost from the head, so a warm hat will make you feel more comfortable during cold days. Always have your hair pulled back or tucked under your hat, to avoid them being caught anywhere.

Hands: Gloves are necessary to protect and keep your hands warm. Padded versions at the points of contact, will allow you a better grip and also protect you against rope burn.

Feet: Suitable footwear is mostly important as they will allow you better traction on wet and slippery surfaces. Soles should be flat, nonskid and should be worn and removed easily. Never work on deck barefoot, as you may easily get injured by the equipment.

Extras: Another item that you should carry with you is a stainless steel pocket knife, equipped with a marlin spike and shackle key

## Some tips to identify a "good" sailing gear & the right one for you

- Be realistic in assessing the kind of weather you expect to encounter and the number of times per season you are likely to wear the gear. While it is a serious mistake to go Ocean Racing with a basic or Cruising gear, it is also possible to "overbuy" sailing gear.
- If your activity is limited to day trips or buoy racing in fair weather, it is recommended to purchase a light breathable gear. Occasionally though you may be exposed to unexpected bad conditions, but it is likely to be back on the dock before real discomfort sets in.
- If you plan to engage a long distance racing or cruising or if your local conditions tend to be tougher, the investment in an Offshore gear will pay you back in full





## The Right Garment for You



### Fishing / Rainwear

If you need a garment with exposure to abrasion and chemicals, like fish blood or grease.

#### Features

- The fabric has been PVC coated on both sides on both sides
- Stain Resistance
- Easy Cleaning
- Heat Welded Seams

#### Lalizas Model

- Fishermen's Jacket & Trousers



### Recreational Inshore

If you need a garment for day trips, hobby cruising or buoy racing in fair weather. Occasionally though you may be exposed to unexpected bad conditions, but it is likely for you to be back at dock before real discomfort sets in.

#### Features

- Jaquard, with fleece (inside)
- Light in weight
- Breathable
- Neoprene Cuffs
- Taped Seams
- Hood
- Hand Warmer Pockets

#### Lalizas Model

- Skipper 'MC Maximum Comfort'



### Sport Boating

If you need a garment for short, but constant trips and continuous use in possible rough conditions. Also, recommended for beginners, children and occasional sailors, as it keeps them dry and is easy to clean.

#### Features

Depending on the model:

- PU or PVC coated Nylon Taslon and Taslon Oxford
- Medium weight for Durability
- 3 in 1 Combinations
- Neoprene Cuffs
- Taped Seams
- Loops for Lifejacket/Harness
- Hoods
- Breathable
- Retro Reflective Tapes
- Hand Warmer Pockets
- Reinforced High Abrasion Areas

#### Lalizas Model

- Inshore Sailing Jacket & Trousers 'Extreme Sail XS', 3 in 1
- Inshore Sailing Jacket & Trousers 'Free Sail FS'
- Inshore Sailing Jacket & trousers IT
- Racing Dry Smock RTX 10000
- Pro Race Neoprene Wetsuits



### Offshore

If you are an active sportsman engaging in long distance racing or cruising or if the local weather conditions tend to be tougher.

#### Features

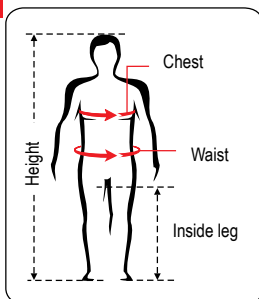
Depending on the model:

- Durable PU\* coated Nylon Taslon Oxford
- Light & Flexible for Free Movement
- Strong Reinforced Areas at Points of Friction
- Extra High Collar- Storm Flap
- Safety Harness Channel
- Loops for Lifejacket/Harness
- Hood with Rain Drainage
- Adjustable Neoprene Hand and Leg Cuffs
- Hand Warmer Pockets

#### Lalizas Model

- Inshore Sailing Jacket 'XTS Extreme 3 or 1'
- Offshore Jacket & Trousers HTX15000

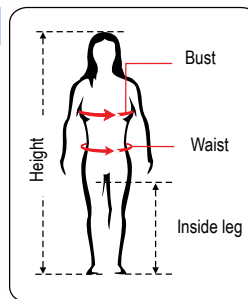
\*The Offshore garment has been treated with a PU coating of a higher water resistance so as to increase the garment's waterproofing without losing its the flexibility.



### Find your size

#### Universal Size Chart

	JS	JM	JL	JXL/XS	S	M	L	XL	XXL
Height (cm)	122	134	152	163	168	175	183	188	193
Inside leg (cm)	47-54	54-61	61-71	71	76	79	84	89	91
Chest (cm)	58-62	62-66	66-76	76-86	94-99	102-107	109-114	117-122	124-130
Waist (cm)	54-56	56-59	59-65	66-72	84	91	97	107	112



#### Chest / Bust circumference

Measure the circumference exactly under the armpits holding the tape steady at one point. For the bust line measure at the level of the largest circumference.

#### Waistline

Measure around your waist holding the tape steady at one point.

#### Inside leg length

Use a similar pair of trousers that fits you well and place it on a surface making sure that it does not fold or crease anywhere. Measure along the inner seam of the trousers from the crotch to the leg cuff.

**Remember: the length has to reach the end of your feet when you bend your knees !**

#### Take good care of your sailing gear to ensure a long life

- Rinse your outfit in "fresh" water after each trip. Salt might dry out in the pores and hinder the garment from "breathing"
- Clean stains of dirt by hand with a soft sponge and low spin powder detergent
- Do not use strong detergents, bleach or fabric conditioners
- Do not tumble dry and hand wash separately. Do not wash in the washing machine
- Machine wash and the use of fabric conditioners will affect the coating of your garment and it might not be possible to restore the initial water repellancy and waterproofness

Two Colours

One Colour

NEW New Product



Suitable for OFFSHORE



Suitable for COASTAL



Suitable for RACING



Suitable for FISHING



Advisor



Information



Useful Hints



Best Quality



Unisex



Child



Competitive Price



Offer



Taped Seams



Breathable 85%  
Water  
Resistant 85%



Water  
Proof 100%



With  
Fleece



Captain's  
Suggestions

## Inshore Full Weather Gear



### Inshore Sailing Jacket 'Extreme Sail XS' 3 in 1, Breathable

The "Extreme Sail XS" Sailing Jacket, is the ideal outfit for Inshore Sailing. It is made of high quality materials, such as Taslon 320T and Taslon Nylon Oxford, with a PU coating, so as to make the jacket waterproof and breathable at the same time.

Other features are as follows:

- Grade of water impermeability: 15000mm
- Grade of Breathability: 2000gr/m2/24hrs
- Removable Fleece Jacket
- Taped Seams
- Two-way Zipper
- Retroreflective Stripes
- Hood Stored in Collar
- Lifejacket and Harness Loops
- Inner Side and Lower Fleece Lined Pockets
- Wallet Pocket
- Neoprene Inner Hand Cuffs

Code	40781	40782	40783	40784	40785
Size	S	M	L	XL	XXL



Hood stored in collar



Removable fleece jacket



Neoprene inner hand cuffs



Wallet pocket



Clothing & Accessories



### Inshore Sailing Trousers 'Extreme Sail XS' Breathable

The Extreme Sail XS inshore trousers have been designed to be used with the above jacket, but also with the XTS Extreme Jacket. They are made of PU coated Taslon Nylon Oxford and Taslon 320T. They feature:

- Grade of Water Impermeability 15000mm
- Grade of Breathability 2000gr/m2/24hrs
- Seat and Knee Patches
- Adjustable Waist & Shoulder
- Taped Seams
- Front Zipper
- Internal Pocket
- Retroreflective Tape

Code	40786	40787	40788	40789	40790
Size	S	M	L	XL	XXL



## Inshore Full Weather Gear





### Inshore Sailing Jacket "Free Sail FS" Breathable

The Lalizas' FS Inshore Sailing Jacket is evolutionary compared to other more traditional inshore jackets. Lalizas have created a high quality jacket in both in terms of design and style.

#### Features:

- Made of PU coated Taslon Nylon Oxford & Taslon 228T
- Grade of Water Impermeability 1000mm
- Grade of Breathability 1000gr/m2/24hrs
- Two way Front Flapped Zipper
- Hand-warmer Pockets & Wallet Pocket
- Hood Stored in Collar
- Taped Seams
- Fleece Lined Collar
- Neoprene Inner Hand Cuffs
- Lifejacket & Harness Attachment Loops
- Retroreflective Stripes
- Available in various colours & sizes

#### Men's Jackets

	Code	40791	40792	40793	40794	40795
	Code	40796	40797	40798	40799	40800
	Size	S	M	L	XL	XXL





#### Inshore Sailing Jacket "Free Sail FS" Breathable

##### Women's Jackets

Code	40806	40807	40808	40809	40810
Code	40811	40812	40813	40814	40815
Size	S	M	L	XL	XXL

##### Kid's Jackets

Code	40816	40817	40818	40819
Size	JS	JM	JL	JXL



#### Inshore Sailing Trousers "Free Sail FS" Breathable

The FS Inshore Trousers have been designed to match the above jacket range. They share the same quality construction with the jacket, as they are made of PU coated Taslon Nylon oxford.

Additional features

- Grade of Water Impermeability: 1000mm
- Grade of Breathability: 1000gr/m2/24hrs
- Seat & Knee Patches
- Taped Seams
- Adjustable Waist & Shoulder
- Front Zipper
- Retroreflective Tape

##### Kid's Trousers

Code	40824	40825	40826	40827
Size	JS	JM	JL	JXL

##### Adults' Trousers

Code	40828	40829	40830	40831	40832
Size	S	M	L	XL	XXL





## Inshore Full Weather Gear

### IT Inshore Sailing Jacket

The IT Sailing Jacket is provided with all the extras you demand from a good Inshore outfit. The classical Inshore jacket is made of a robust Nylon Oxford material and is 100% waterproof with all seams taped and sealed.

**Features:** Reinforced elbows, seat & knee patches, two way front flapped zipper, adjustable waist band, pockets, hand-warmer pockets, wallet pocket, hood stored under collar, fleece lined collar, inner neoprene hand cuffs, lifejacket attachment loops and retroreflective tapes for high visibility.



#### Adult's Jacket

Code	40295	40296	40297	40298	40646
Code	40305	40306	40307	40308	40647
Code	40315	40316	40317	40318	40648
Size	S	M	L	XL	XXL

#### Kid's Jacket

Code	40290	40291	40292	40293
Height(cm)	1.22	1.34	1.52	1.64
Size	JS	JM	JL	JXL



Fleece lined collar



Re-inforced elbow patches



Adjustable waist



Neoprene inner hand cuffs



Hood stored in collar

Clothing & Accessories

### IT Inshore - Sailing Trousers

The Inshore trousers are made of the same robust Nylon Oxford as the Jacket. It is 100% waterproof with all seams sealed. **Features:** 600D reinforced seat and knee patches, high bib, adjustable waist, adjustable shoulder and front zipper.

The trousers are available in fashionable grey and in sizes corresponding to the jackets. Your own CREW LOOK is possible without having to look like "twins". You have the choice of your own colour preference blue, red, or yellow jackets in combination with the fashionable pair of trousers, gives you the FEELING of your own individuality.

#### Adult's Trouser

Code	40325	40326	40327	40328	40649
Size	S	M	L	XL	XXL

#### Kid's Trouser

Code	40320	40321	40322	40323
Height(cm)	1.22	1.34	1.52	1.64
Size	JS	JM	JL	JXL



Pocket



Waist band



Seat & knee re-inforcements



Inshore sailing jacket and trousers can be used in perfect combination with a gas inflation lifejacket.

For more information on gas inflation lifejackets turn to page 156-158

## Casual Sailing Design Gear

### Skipper Jacket 'MC Maximum Comfort' Breathable

The MC Skipper Jacket combines a perfectly snug and comfortable fit, with warmth, rendering it ideal to be worn in autumn or early spring. It's quality construction will allow your body to breathe, but also protect you from cold, spray or rain, whether you are on board or on land. Additional features are the following:

- Combination of Jaquard (outside) & Fleece (inside)
- Grade of Water Impermeability: 4000mm
- Grade of Breathability: 2000gr/m2/24hrs
- Taped Seams
- Fleece Lined Pockets & Wallet Pocket
- Hood Stored in Collar
- Neoprene Inner Hand Cuffs
- Two way Front Flapped Zipper
- Lifejacket & Harness Attachment Loops
- Available in various sizes & colours



Code	40838	40839	40840	40841	40842	40843
Size	XS	S	M	L	XL	XXL



### Skipper Blouson

A classic jacket that is a must in every boat's locker. Designed in a leisurely cut Blouson style, the Lalizas Skipper Blouson is completely fleece lined to protect you from the cold, with two hand pockets plus knitted cuffs and waistband. Very comfortable and light weight to wear, it is ideal to be worn on its own, when ashore or under a Sailing Jacket for those cold and rainy days at sea.

Lalizas Skipper Blouson is available in two colours, red and blue and five sizes.



● Code	40480	40481	40482	40483	40652
● Code	40470	40471	40472	40473	40651
Size	S	M	L	XL	XXL





Casual Sailing Design Gear

Clothing & Accessories



Sailing Fleece Vest

The Lalizas Sailing Fleece Vest is a must for you, for those cold days on the boat. It is made of microfibre on the outside and fleece on the inside, in order to keep your body warm. Additional features which are worth noticing are the two hand pockets and the adjustable waist strings. The Sailing Fleece Vest is available in five sizes and three colours, blue, red, and sand.

● Code	40544	40545	40546	40547	40659
● Code	40552	40553	40554	40555	40661
● Code	40548	40549	40550	40551	40660
Size	S	M	L	XL	XXL



Inshore Jacket 'Zephyr', Breathable

Especially designed for those chilly days, the 'Zephyr' Inshore Jacket will be ideal in terms of comfort and design. The microfibre fabric on the outside will protect you from spray and rain, while the mesh lining on the inside will allow body to breathe. It also features Velcro straps and two hand pockets. All its features combined, create the ideal jacket to be worn on the boat, at land, on the motorcycle, practically any time, anywhere. The 'Zephyr' Inshore Jacket is available in five sizes and two colours navy blue and ice.



● Code	40536	40537	40538	40539	40657
● Code	40540	40541	40542	40543	40658
Size	S	M	L	XL	XXL

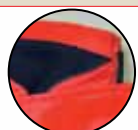


For a more complete and stylish look check out the TR90 sunglasses (see pages 30) and the Lalizas caps and hats (see page 21)





## Offshore Full Weather Gear



Extra high collar with  
2nd storm flap



Harness channel  
compatible with 71145\*  
harness



Adjustable  
waist



Inner Neoprene  
hand cuffs  
with velcro



Full front zipper



Hand warmer  
pockets fleece lined



Extra strong  
seat & knee  
re-inforcement



Inner Neoprene  
leg cuff with velcro

(\*Not supplied)



### HTX 15000 Offshore - Jacket

Yachtsmen around the world have proven time after time, that Lalizas clothing is the standard for high technology sailing outfits. The Offshore clothing was the first in our range tested and improved with a breathable PU coating of high rating. A garment is said to be waterproof withstanding a watercolumn of 3.000mm (Column 1m wide x 1m long and 3 m high). The Lalizas Offshore Jacket and Trousers have a waterproof rate 5 times as much, without effecting the breathability, lightness and flexibility of the garment.

This Offshore set helps you to maintain your health and physical condition, even under bad weather conditions, with professional high technology features like two-way zipper, retroreflective tapes, extra high collar, 2nd storm flap, adjustable hood, harness channel, life-jacket and harness loops, removable fleece collar, fleece lined pockets, re-inforcements at points of friction, key holder, neoprene inner hand cuffs, elastic waist. Available in blue navy - red colour combination and in five sizes.

Code	40155	40156	40157	40158	40159
Size	S	M	L	XL	XXL

### HTX 15000 Offshore - Trousers

The breathable Offshore sailing trousers cover the racer's body up to the chest. They are made of a robust PU coated Nylon Oxford with 600D strong reinforced and taped seam seals. Apart from the advantages of combining high standard features and breathable fabrics, the PU coated fabric makes the garment very light and comfortable to wear even when the going gets tough and workforce is needed.

**Features:** Full front zipper, 600D dynamically shaped seat & knee reinforcement, inner neoprene leg cuff, hand warmer pockets, elastic waist, special gusset for more movement. Available in blue navy - red colour combination and in five sizes.

Code	40165	40166	40167	40168	40169
Size	S	M	L	XL	XXL



The Offshore sailing jacket and trousers are made to be combined perfectly with the safety harness and line (see pages 172) and the gas inflation lifejacket (see pages 156-158). For the best times at sea combine the Offshore sailing jacket and trousers with gloves (see page 19). While you are at shore store your sailing equipment in the Lalizas sailing bag (see pages 28-29).



## Offshore Full Weather Gear

### Inshore/Offshore Sailing Jacket 'XTS Extreme' 3 in 1, Breathable

The "XTS Extreme" Sailing Jacket is the ultimate in sailing gear technology. It is highly waterproof and breathable, ideal to be used for both Inshore and Offshore sailing. It is made of high quality materials, such as PU coated Cordura and Taslon Nylon Oxford.

Other features are the following:

- Grade of Water Impermeability: 10000mm
- Grade of Breathability: 2000gr/m2/24hrs
- Removable Fleece Jacket
- Two-way Zipper
- Taped Seams
- Retroreflective Stripes
- Hood Stored in Collar
- Lifejacket & Harness Loops
- Inner Side & Lower Fleece Lined Pockets
- External Back Pocket with Zipper
- Wallet Pocket
- Mobile Pocket
- Neoprene Inner Hand Cuffs
- Zipper on the Outer Hand Cuffs

Code	40833	40834	40835	40836	40837
Size	S	M	L	XL	XXL



Removable fleece jacket



Hood stored in collar



Mobile pocket



Zipper on the outer hand cuffs



External back pocket with zipper



### Inshore Sailing Trousers 'Extreme Sail XS' Breathable

The Extreme Sail XS inshore trousers are designed to pair up with the above jacket, but also with the XTS Extreme Jacket. They are made of PU coated Taslon Nylon Oxford and Taslon 320T. They feature:

- Grade of Water Impermeability 15000mm
- Grade of Breathability 2000gr/m2/24hrs
- Seat & Knee Patches
- Taped Seams
- Adjustable Waist & Shoulder
- Front Zipper
- Internal Pocket
- Retroreflective Tape

Code	40786	40787	40788	40789	40790
Size	S	M	L	XL	XXL



## Neoprene Wetsuits & Rash Guards

### Pro Race series

The Pro Race series is now available to enhance your sporting experience. Sailors, water-skiers, surfers, wind-surfers, wakeboarders or snorkeling and kayak devotees select Pro Race quality for the sea. Increase your adrenalin rush by wearing your Pro Race shield.

### Neoprene Full Wetsuit Pro Race 3:2mm

Full wetsuits are your sport garments for the sea. They offer you up to 1-hour protection from 8°C cold waters with 3:2mm neoprene thickness. Your main body is covered with 3mm neoprene thickness, while your legs and arms are covered with 2mm neoprene thickness. Therefore, the neoprene suit keeps your body warm and offers you high degree of flexibility. Flatlocked seams, waterproof back zipper, adjustable neck and aqua stops at limb-ends prevent water leaks and keep you warm. Wind resistance is provided to your chest and back, which are covered by an additional overlay of impermeable fabric. This wetsuit is equipped with special kneecaps and a hidden small pocket (at the back) for your keys.



For Men



For Ladies



For Children

Clothing & Accessories



#### For Men

Code	70526	70527	70528	70529	70530
Size	S	M	L	XL	XXL

#### For Ladies

Code	70521	70522	70523	70524	70525
Size	S	M	L	XL	XXL

#### For Children

Code	70531	70532	70533	70534	70535
Size	JS	JM	JL	JXL	JXXL





Neoprene Wetsuits & Rash Guards

Neoprene Wetsuit Pro Race Shorty 2,5mm

In warm weather conditions, Shorty wetsuits with 2.5mm neoprene thickness will give you flexibility, impermeability and UV protection. This wetsuit is entirely sealed with flatlocked seams and aqua stops at sleeve edges and trouser-ends to prevent water flows. Two smooth overlays at the front and back of the wetsuits offer you wind resistance, on chilly days. All Pro Race wetsuits include waterproof back zipper and adjustable neck to embrace your body. There is a special pocket for your keys inside the wetsuit next to the zipper.



For Ladies



For Men



For Men

Code	70511	70512	70513	70514	70515
Size	S	M	L	XL	XXL

For Ladies

Code	70506	70507	70508	70509	70510
Size	S	M	L	XL	XXL



For Children



Neoprene Wetsuit Pro Race Thermal Shorty 1mm

The Shorty Wetsuit for children uses thermal technology, which makes it breathable, while it protects your child from water irritations and UV radiation. It has 1mm neoprene thickness to keep your child warm and flatlocked seams to prevent water leaks. The adjustable neck shut offers absolute hang of the wetsuit on your child's body. In addition, the thermal backing of Shorty wetsuit allows your child to make abrupt movements and stay cosy, as thermal overlay is light and smooth. The thermal wetsuit closes easily with a mackintosh back zipper.

For Children

Code	70516	70517	70518	70519	70520
Size	JS	JM	JL	JXL	JXXL



Rash Guards SPF 50+

Rash Guards are shirts made of spandex and nylon to protect the skin from sunburns and water irritations. They offer over 50C° UV protection and are light tops for water sports. When the weather is too warm for a wetsuit, rash guards safeguard your body from water and wave irritations or chafes on rough surfaces. Additionally, their special elastic fabric makes sweat evaporate faster than regular fabrics, keeping you warm and comfortable. Pro Race Rash Guards come in short and long sleeves version for your annual protection.

Long sleeves

For Adults

Code

70536

Code

70537

Code

70538

Size

S

M

L

For Children

Code

70539

Code

70540

Code

70541

Code

70542

Size

JS

JM

JL

JXL

Short sleeves

For Adults

Code

70543

Code

70544

Code

70545

Size

S

M

L

For Children

Code

70546

Code

70547

Code

70548

Code

70549

Size

JS

JM

JL

JXL

Clothing & Accessories

Wetsuit Sizing Measurements

MEN

Size	S	M	L	XL	XXL
Height	168-172	170-176	174-180	178-186	184-192
Waist	69	74	79	84	89
Chest	80	85	90	95	100
Neck	34	35	36	37	38
Neck to crotch	66,5	68,5	70,5	73	76

WOMEN

Size	S	M	L	XL	XXL
Height	166-172	168-174	172-178	176-182	180-188
Waist	61	66	71	76	81
Chest	75	80	85	90	95
Neck	28	29	31	32	33
Neck to crotch	65	67	69	71	73

CHILDREN

Size	JXS	JS	JM	JL	JXL	JXXL
Height	115-122	120-128	128-136	136-144	144-152	152-160
Waist	56	58,5	61	63,5	66	68,5
Chest	61	63,5	67,5	71	75	79
Neck	25	26,5	28	30,5	32	33
Neck to crotch	44	48	52	56	58	61

Dimensions are in cm

Stitching

Neoprene

Seam

Flatlock Stitch

The flatlock stitch is suitable for wetsuits usually worn in warmer weather conditions, made of neoprene up to 3mm thickness.

Two pieces of neoprene are butted against each other edge to edge and the stitching goes back and forwards side-to-side, creating a very flat stitch (flatlock). You can very easily identify the flatlock stitch on the suit, by the thread on both sides of a wetsuit. Also, the flatlock stitch does not irritate the user's skin, as it would if the seam ran inside the suit.

Stitching

Neoprene

Glued Seam

Blindstitch

The blindstitch is the perfect solution for the manufacturing of winter wetsuits, since it is a totally waterproof stitch. Two pieces of neoprene are butted against each other and stitched together, with the needle going only half way through the neoprene before going back out. In this way, there is no stitch on the outer part of the wetsuit. The edges of the neoprene are also glued when they are butted together before stitching, for creating an even more waterproof seam. Lastly, the blindstitch does not irritate the skin of the user, as the seam does not run inside the suit.

17



## Fishing Clothes

### Fishermen's Jackets and trousers

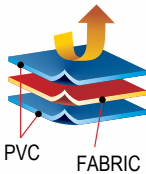
Fishermen's Jackets and Trousers have a 0,35mm double PVC coating on the inside of the fabric to make it 100% waterproof and on the outside to provide extra durability. Even fish blood and grease are fairly easy to clean. Instead of seam stitching, the different garment parts are "glued" as a second security to make it 100% waterproof. The Lalizas Fishermen gear is designed to minimize the possibilities for nets to get caught while working. They feature full front flapped zipper and inner hand cuffs. The pants have a high bib at the front and back with elastic adjustable belt straps with buckle closure.

#### Jacket

Code	40175	40176	40177	40178	40179
Code	40185	40186	40187	40188	40189
Size	S	M	L	XL	XXL

#### Trousers

Code	40195	40196	40197	40198	40199
Code	40205	40206	40207	40208	40209
Size	S	M	L	XL	XXL



### Fishing Waders, PVC

The Fishing Chest Waders come in green colour, with inner chest pocket and heavy-duty adjustable elastic suspenders for a comfortable fit. The boots feature an Antislip sole design for excellent traction on slick, while the areas of crouch and knees are specially reinforced for long-lasting durability. They are made of PVC and are supplied with a service kit (glue, fabric pieces).

They match with Lalizas Fishermen's Jackets (40175-40179).

Code	71052	71053	71054	71055	71056
Size	41	42	43	44	45



Clothing & Accessories



BEST  
VALUE



Velcro tape at  
hood chin



Full storm  
flap



Inner elastic  
hand cuff



All seams  
are sealed



Inside  
trouser pocket



## Gloves



### 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	40103	40105	40106
Size	XS	S	M

Code	40107	40108	40663
Size	L	XL	XXL



### 5 Finger Cut Sailing Gloves Amara

Our recommendation for best-buy value. Made of very soft Amara, with elastic spandex back and padded palm. Our Amara sailing gloves offer comfort and durability for light work on the boat.

Code	40095	40096	40097	40098	40662
Size	S	M	L	XL	XXL



### Full Finger Neoprene Gloves

These gloves are made of 100% neoprene; palm, hand back, fingers and side walls. In this way, we ensure that you will always have warm hands even if the glove gets wet, which is extremely important when you sail under wet conditions or when you are committed to the steering wheel. For a better grip Kevlar has been added on top of the palm.

Code	40115	40116	40117	40118
No.	S	M	L	XL



The best combination of safety and fit are the gloves with the Pro Race buoyancy aids. (Page 164)



### Full Finger Neoprene Gloves, Pro Race, 3:2mm

Pro Race gloves are your essential protection against cold and wind in all water sport activities. Your hands are sealed with 3:2mm neoprene thickness for protection and flexibility in cold waters. Your palm and fingers are covered with smooth Amara leather for excellent grip of ropes, spear guns, paddles and other sea-sport equipment.

Code	70569	70570	70571	70572	70573	70574	70575
Size	XXS	XS	S	M	L	XL	XXL

## Boots

### "Tie-Top" Long-Leg Sailing Boots

Smartly designed Lalizas Long Leg Sailing Boots are perfect for sailing. Made of natural rubber with razor cut, non-slip soles, for better traction. Hard wearing with extra toe and heel reinforcement. The tie top feature and cushioned leg top render them extremely comfortable to wear. Available in navy blue with contrasting white trim and 10 sizes, 38 to 47.

Code	40431	40432	40433	40434	40435
No.	38	39	40	41	42
Code	40436	40437	40438	40439	40440
No.	43	44	45	46	47



### Pro Race Semi Dry Boots, 6mm

Pro Race Neoprene boots protect your feet from cold water. They are made of 6mm neoprene thickness to keep your body warm in cold water. Blindstitched seams inside and outside the boots, waterproof zipper and a special neoprene cover behind the zipper to prevent water leaks. Pro Race boots completely embrace your feet with neoprene flexibility and the rubber reinforced toes and heels, which offer stable feet-holding, additional water resistance and protection from land or boat obstacles. Pro Race boots have thick rubber soles for better traction on all surfaces. The white rubber on the bottom of soles ensures no marks on your boat.



Code	40451	40452	40453
No.	31/32	33	34/35

Code	70561	70562	70563	70564	70565	70566	70567	70568
No.	36	37/38	39	40/41	42	43/44	45	46/47



## Shoes

### Skipper Deck Shoes

Cruise in style with Lalizas Skipper Deck Shoes. Designed to provide comfort and durability, they are ideal for use at all times, while traveling at sea, strolling on land. The Skipper shoes are hand-sewn or made of premium Mexican leather with rawhide lacing. Their non-slip rubber outsole has a special design, so as to offer maximum traction and safety on any wet and slippery surface, such as decks and docks. Their classic moccasin design allows a perfect fit to your own foot's bone structure. These versatile shoes are available in four different colour combinations and each in 11 sizes. They are available in brown with white or brown outsole and navy blue with white outsole.

Skipper,  
Brown with White Sole



Skipper Deck Shoes, brown with white sole

Code	40561	40562	40563	40564	40565	40566	40567	40568	40569	40570	40571
No.	36	37	38	39	40	41	42	43	44	45	46

Skipper,  
Brown with Brown Sole



Skipper Deck Shoes, brown with brown sole

Code	40572	40573	40574	40575	40576	40577	40578	40579	40580	40581	40582
No.	36	37	38	39	40	41	42	43	44	45	46

Skipper,  
Navy with White Sole



Skipper Deck Shoes, navy blue with white sole

Code	40594	40595	40596	40597	40598	40599	40600	40601	40602	40603	40604
No.	36	37	38	39	40	41	42	43	44	45	46



### Sportive Deck Shoes

Lalizas expands its Deck Shoes range, by adding a new sportive deck shoe, which will serve your demanding boating and casual needs. It has been designed to offer you extra traction and stability so that you have a good grip on wet surfaces. It features air mesh panels for greater breathability, quick dry footbed and a non-slip TPR outsole that will keep you maneuvering fast on your feet, even on wet deck. It is supplied in 12 sizes (35-46) and in grey colour.



Code	70917	70918	70919	70920	70921	70922	70923	70924	70925	70926	70927	71020
No	35	36	37	38	39	40	41	42	43	44	45	46

### Sailing Shoes, 2mm

Pro Race shoes are your stylish and comfortable footwear for the beach and water-sport activities. They are made of 2mm neoprene and rubber soles to keep you warm and stable on rough surfaces. Pro Race shoes are flexible as they protect your feet from sand and water irritations. They are easily packed for beach walks and you will find them useful during boating, surfing or snorkeling, because they insulate your feet from friction on rough surfaces, rocks and coral reefs.



### For Children

Code	70558	70559	70560
No	31/32	33	34/35

### For Adults

Code	70550	70551	70552	70553	70554	70555	70556	70557
No	36	37/38	39	40/41	42	43/44	45	46/47

## Caps & Berets

### Caps

100% washed out twill cotton caps available in 3 colours.

Code	40060	40070	40664
Colour	Blue	Sand	Red



### Sailing Cap with protective neck cover

It is made of cotton fabric and it features Velcro strap-closure at the back, so that you can roll up the neck cover and wear it as a simple cap. Available in two sizes, child and adult, in light blue and blue respectively.



#### Adult

Code	40557
Colour	Blue



#### Child

Code	40556
Colour	Light Blue

### Fleece Beret with adjustable strap

Made of polar fleece and it is available in navy blue and black colour.



Code	40559	40560
Colour	Black	Navy Blue

### Fleece Neck Gaiter

Made of polar fleece, which makes it suitable for the cold winter days. It can be perfectly combined with various sailing jackets. Available in navy blue.

Code	40558
Colour	Navy





Polos & T-Shirts

The Crewman - Clothes Range

The Crewman Range has been created for your comfort, not only during the summer, but also all year round. The range offers both lightweight, cool, T-shirts and the more robust Polo Shirts.

The Crewman T-shirts

The Crewman T-shirts are made of 100% Cotton (160gr/sm) and their classic design makes them ideal for any occasion. T-shirts in 5 different colours (red, orange, soft blue, yellow & lilac), but also T-shirts with 5 different prints. They are supplied in 6 sizes (XS-XXL).

● Code	70776	70777	70778	70779	70780	70781
● Code	70782	70783	70784	70785	70786	70787
● Code	70788	70789	70790	70791	70792	70793
● Code	70794	70795	70796	70797	70798	70799
● Code	70800	70801	70802	70803	70804	70805
Size	XS	S	M	L	XL	XXL



Crewman  
by LALIZAS



T-shirt, Crewman, "Boat Wheel"

● Code	70818	70819	70820	70821	70822	70823
● Code	70824	70825	70826	70827	70828	70829
Size	XS	S	M	L	XL	XXL



T-shirt, Crewman, "Knots"

● Code	70806	70807	70808	70809	70810	70811
● Code	70812	70813	70814	70815	70816	70817
Size	XS	S	M	L	XL	XXL



T-shirt, Crewman, "Sailboat"

● Code	70842	70843	70844	70845	70846	70847
● Code	70848	70849	70850	70851	70852	70853
Size	XS	S	M	L	XL	XXL





## Polos & T-Shirts

### T-shirt, Crewman, "Pirate Boat"

● Code	70830	70831	70832	70833	70834	70835
● Code	70836	70837	70838	70839	70840	70841
Size	XS	S	M	L	XL	XXL



*Crewman*  
by LALIZAS



*Crewman*  
by LALIZAS



### T-shirt, Crewman, "Storm"

● Code	70854	70855	70856	70857	70858	70859
● Code	70860	70861	70862	70863	70864	70865
Size	XS	S	M	L	XL	XXL



*Crewman*  
by LALIZAS

### Polo T-shirt, Crewman, stripe on the sleeve

● Code	70728	70729	70730	70731	70732	70733
● Code	70734	70735	70736	70737	70738	70739
● Code	70740	70741	70742	70743	70744	70745
● Code	70746	70747	70748	70749	70750	70751
Size	XS	S	M	L	XL	XXL



### Crewman Polo Shirts

The Crewman Polo Shirts are made of 100% Cotton (200gr/sm) and have the classic Polo-Cut neckline. Available as plain polo shirts in 4 colours (red, soft blue, navy blue & white), but also striped short-sleeved and long-sleeved polo shirts in 2 different colour combinations. They are supplied in 6 sizes (XS-XXL).



Polo Shirt, Crewman, striped

Code	70752	70753	70754	70755	70756	70757
Code	70758	70759	70760	70761	70762	70763
Size	XS	S	M	L	XL	XXL



Long-Sleeved Polo Shirt, Crewman, striped

Code	70764	70765	70766	70767	70768	70769
Code	70770	70771	70772	70773	70774	70775
Size	XS	S	M	L	XL	XXL

## Shorts

### Bermuda Shorts, Crewman

These new Crewman bermuda shorts are supremely comfortable. They are made of 100% Cotton (180gr/sm) and have many pockets. They are supplied in 2 different colours (navy blue & beige) and come in 5 different sizes (S-XXL).

Code	70866	70867	70868	70869	70870
Code	70871	70872	70873	70874	70875
Size	S	M	L	XL	XXL





## Dry Bags & Bags

### Dry Bags Ténéré, with shoulder strap

The new heavy-duty dry bags Ténéré are the ideal choice for kayaking, canoeing and rafting, but also for every sailing and boating need. Its improved three-roll watertight closure system ensures that all the contents stay clean and dry. These hot air welded dry bags are made of durable PVC Tarpulin 500D, 0.55mm thick, which makes them suitable for all heavy-duty activities. Ténéré dry bags are wipe-clean, easy to store and have a shoulder strap that makes them handy to carry on shore. Additionally, the 30Lt and 40Lt capacity models have an extra handle welded on the side. Ténéré bags are available in sand, red and yellow colours and in 6 different sizes.



Clothing & Accessories



Code	Dimensions (mm)	Capacity (lt)	Colour	With handle
70291	400x200	5	Sand	
70292	550x200	10	Sand	
70293	500x250	15	Sand	
70294	660x250	20	Sand	
70295	600x300	30	Sand	•
70296	740x300	40	Sand	•
70297	400x200	5	Red	
70298	550x200	10	Red	
70299	500x250	15	Red	
70300	660x250	20	Red	
70301	600x300	30	Red	•
70302	740x300	40	Red	•
70303	400x200	5	Yellow	
70304	550x200	10	Yellow	
70305	500x250	15	Yellow	
70306	660x250	20	Yellow	
70307	600x300	30	Yellow	•
70308	740x300	40	Yellow	•





BEST  
VALUE

### Dry Bags

The Dry Bag is an ideal product for all water sports and boating needs. Lalizas dry bags are remarkably strong and leakproof. A three-roll watertight closure system keeps everything inside, clean and dry. Available in two colours, red & clear. The see-through version helps the user to locate the items he requires. Available in four sizes

Code	Dimensions (mm)	Capacity (lt)	Colour
10001	400x250	5	Clear
10002	600x300	12	Clear
10003	700x350	18	Clear
10004	800x500	55	Clear
10011	400x250	5	Red
10012	600x300	12	Red
10013	700x350	18	Red
10014	800x500	55	Red

Secure closure

BEST  
VALUE

Reinforced bottom



The wide range of Lalizas' dry bags allows you freedom of choice according to your needs



To ensure maximum dryness roll the top of the bag down (closure system) at least three times



Clip the buckle in



When everything is ready, the bag may be carried or stored

### Dry Bag Atlantic

The dry bags Atlantic are strong, waterproof and leakproof, ideal for heavy-duty use. Their reinforced manufacturing allows you to pack heavy objects, while the clear PVC allows you to always see what you need without having to empty all the contents. The contents of the bag are sealed in, in the same way as the regular dry bags. The Lalizas Atlantic Dry Bags are available in four sizes and one colour combination, clear with blue bottom.

Code	Dimensions (mm)	Capacity (lt)	Colour
10430	400x250	5	Clear
10431	600x300	12	Clear
10432	700x350	18	Clear
10433	800x500	55	Clear

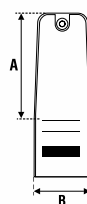
Clothing & Accessories



BEST  
VALUE

### Dry Bags for handhelds

The ultimate dry bag for the protection of your handheld electronic equipment (GPS, VHF, mobile phone). Made of durable vinyl, it has clear front panel, which allows you to see displays and button logos and access most functions, without removing the bag. Furthermore, each dry bag has a lanyard loop. Depending on the air captured and the weight of the equipment inside, the bags may or may not float. Although Lalizas Dry Bags are manufactured to withstand harsh conditions, it is suggested that you test for waterproofness regularly to detect any pinhole leaks.



Code	Description	Dimensions (cm)	
		A	B
10440	Dry Bag for mobile phone	19	10
10441	Dry Bag for small VHF	35	10
10442	Dry Bag for VHF	40	10
10443	Dry Bag for small GPS	23	9,5
10444	Dry Bag for GPS	30	12,5

The sizes shown are when the bag is empty

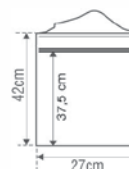


BEST  
VALUE

### Dry Briefcase

The Lalizas Dry Briefcase has been designed especially for the protection of your boat's documents. Made of durable vinyl, it has a 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 on the water, depending, however, on the air captured and the weight of the contents. It features 100% waterproof seal with Velcro.

Code..... 10450



The dimensions shown are when the bag is empty



## Dry Bags & Bags

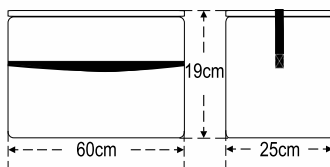
### Under Seat Storage Bag, Ténéré Sit & Store

The under seat storage bag provides you with the extra storage space that is so necessary on any boat. It is made of PVC Tarpulin and has been designed to fit to any seat. It also features a shoulder strap which allows you to carry the bag when you leave the boat. The top of the bag is padded to "soften the ride" on the wooden seat. It is water resistant, while the waterproof zipper keeps the storage area dry. It is available in grey colour.



BEST  
VALUE

Code.....70895



### Lifejackets Dry Bag

This simple and easy to use Lifejackets' Dry-bag by Lalizas, stands out as the most intelligent and waterproof storage solution for all the necessary safety equipment of your boat. Made from durable transparent material, without any unnecessary seams, it meets the minimum space consumption requirements, and offers the ability of immediate use in case of an emergency or a boat inspection. It is specially designed for storing foam lifejackets of 100N or 150N, while at the same time can secure all hand and smoke signals required by regulations, in the available space between the lifejackets' neck grooves.



BEST  
VALUE

NEW

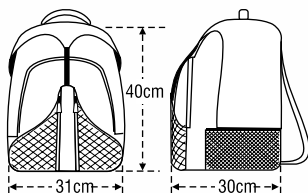
\*Lifejackets not  
included

Code	Size	Dimensions (cm)	Suitable for LALIZAS Lifejackets		
			70991 (100N)	70993 (150N)	70159 (Solas '74)
71220*	1	93x57x36	4	3	5
71221*	2	93x68x36	6	4	7
71222*	3	93x93x36	9	6	10

### Back Packs

Made of durable 600 D PVC coated Ripstop. Padded back, contoured shoulder straps and nylon webbing handles allow easy carriage. The bag also offers several generous compartments. It features 1 main compartment, 2 front compartments, mesh pockets, a number of small hidden but easily accessible pockets to store your phone, water bottle etc.

BEST  
VALUE



Code.....40905



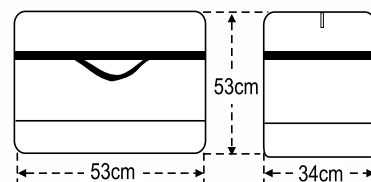
### Sailing Bag with shoe compartment

This Lalizas bag has been designed for extensive use. It is made of durable 600D Ripstop Polyester/PVC. Its dimensions allow you to carry many items in its generous main compartment. An additional compartment at the bottom of the bag may be used to carry extra items such as shoes. It has a detachable shoulder strap, as well as, plastic grips on the handle straps, for easier and more comfortable carriage.

Code.....40908



BEST  
VALUE

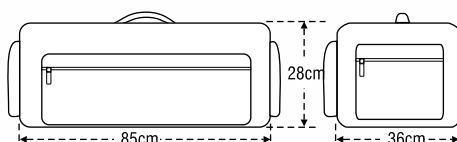




### Sailing Bag

Lalizas bags are made of durable 600 D PVC coated waterproof Ripstop polyester. The bag is light in weight making it the ideal choice for any usage. It features 1 main compartment, 1 main side compartment, 2 side compartments, lockable zip, handle straps and detachable shoulder strap.

Code.....40907



BEST VALUE

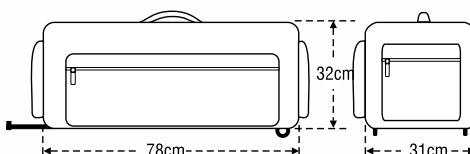


BEST VALUE

### Sailing Bag, with wheels

The perfect choice for almost all travelling requirements. Made of 600 D PVC coated Ripstop polyester it offers great water protection. Two heavy-duty wheels take the strain of larger loads. It features 1 main compartment, 1 front compartment, 2 side compartments, lockable zip, detachable shoulder strap, carriage handles and extendable pull handle.

Code.....40906



Clothing & Accessories

## Sunglasses

### USEFUL HINTS

#### UV Protection - A Critical Feature

The most important benefit that sunglasses should provide is protection from ultraviolet radiation, which contributes to various eye diseases. Ultraviolet radiation has been linked to cataracts, benign growths on the eyes surface, cancer of the eyelid and of skin around the eyes and photokeratitis, (snow blindness) temporary but painful sunburn of the eye's surface. UV protection is the most important feature to take into consideration while looking for sunglasses.

The FDA, the government agency that oversees sunglass manufacturing and sales in the U.S., recommends that customers should look for sunglasses with lenses that block 99-100% of UVA and UVB radiation (100% is best).

#### "POLARIZED" LENS

The bright sunlight is reflected from many of surfaces that surround us, such as water, snow, pavement, dust, buildings, ice, sand, wet road surfaces and windshields and result to an annoying glare for the eyes that reduce contrast and visual sharpness.

The eyes cannot eliminate reflective glare independently. Since the eyes require minimum amount of light to focus, consequently several other rays penetrate the eyes along with them the glare.

The result is tired eyes, headaches, poor vision and sun damage to the eyes. Even though the eyes can't see it, the Ultra Violet rays from the sunlight are of concern, because of their long term damaging effects on the eyes. Polarized lenses are designed to substantially reduce or even eliminate reflective glare by selectively absorbing the light waves travelling in all directions except the vertical plane. At the same time, UV rays are blocked. Bear, in mind that a regular lens that does not have a polarizing film the only thing it does is to darken the view without protecting the eyes.

In other words, polarized lenses are ideal for anyone who wants to avoid glare and to improve vision in the sunlight.

#### POLYCARBONATE LENS

Polycarbonate is the most-used material for modern ophthalmic lenses. Consumer interest in thinner, more attractive protective lenses led to the development of special lens materials that would bend light differently than conventional plastic lenses. Polycarbonate was originally used for industrial safety glasses, now is used for children, sports wearers or anyone requesting greater impact resistance in their lenses. Polycarbonate lenses are thinner than standard plastic lenses for greater comfort; they protect the eyes from virtually 100% of the sun's harmful UV rays and are hard coated for excellent durability and scratch resistance.

#### TR90

The TR 90 material is a transparent polyamide with good heat resistance and excellent fatigue behaviour. It is lightweight, resistant to stress cracking and stands up well against UV exposure. That is why it is commonly used in the creation of sport and other impact-resistant eyewear frames. Additionally, due to the fact that it contains no plasticizer and resists cosmetic chemicals and perspiration, it offers a very good alternating bending strength and it can enhance the design and performance of sport and safety spectacle frames. It also exhibits low moisture absorption and dimensional stability, while its outstanding weathering stability, makes it particularly suitable for eyewear frames.



## Sunglasses

**LALIZAS**

### TR90 Sunglasses

The new sunglasses line of Lalizas has been created to satisfy the most demanding needs of yours. 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. The new sunglasses line is completed with polycarbonate sunglasses suitable for the kids. The modern design, as well as, the specialised manufacturing, makes the sunglasses ideal for use in sports, but also in other activities which involve prolonged sun exposure.



Sunglasses, TR90,  
polarized 1.00mm, black  
Code.....71032



Sunglasses, TR90,  
polarized 1.00mm, black  
Code.....71033



Sunglasses, TR90, polarized 1.00mm, black  
Code.....71034



Sunglasses, TR90,  
polarized 1.00mm, black  
Code.....71035



Sunglasses, TR90,  
polarized 1.00mm, grey  
Code.....71036



Sunglasses, PC,  
blue  
Code.....71037



Sunglasses, PC,  
silver  
Code.....71038



### SeaRay Sunglasses

With SeaRay sunglasses you will enjoy your favourite activities all year round and protect your eyes from the sun at the same time. The polycarbonate material used in SeaRay sports sunglasses renders them safer and more durable to shocks than regular sunglasses. The lenses used are polarized or polycarbonate and can reduce glare and eyes strain, while improving visual clarity and enhance details. Additionally a durable thin film is applied on the SeaRay lenses as a final coating to make lenses more resistant to scratches. In addition to protecting the eyes from debris in the air, SeaRay sunglasses provide an important protection against the damage of UV rays. The SeaRay sunglasses are ideal for use during sports and other activities that involve prolonged exposure to the sun. With the SeaRay sunglasses you can experience the benefits of both stylish and protective eyewear. They are available in a great variety of colours and types for the frame and the lenses, suitable for all ages.



Sunglasses "Sea Ray-2",  
polycarbonate

Code	40912	40913	40914
Colour	Black	Navy Blue	Orange



Sunglasses "Sea Ray-2",  
polycarbonate

Code	40915
Colour	Black



Sunglasses "Sea Ray-2",  
polarized 1.50mm

Code	40918	40919	40920
Colour	Black	Anthracite	Navy Blue



Sunglasses "Sea Ray-2",  
polarized 1.50mm

Code	40921
Colour	Black



Sunglasses "Sea Ray-2",  
polarized 1.50mm, kids' line

Code	40925
Colour	Navy Blue



Sunglasses "Sea Ray-2",  
polarized 1.50mm

Code	40927
Colour	Black



Sunglasses "Sea Ray-2", polarized 1.50mm

Code	40930	40931
Colour	Black	Anthracite



Sunglasses "Sea Ray-2", polarized 1.50mm

Code	40933	40934	40935
Colour	Navy Blue	Anthracite	Silver



Sunglasses "Sea Ray-2", polycarbonate, kids' line

Code	40939
Colour	Black



Sunglasses "Sea Ray-2", polycarbonate, kids' line

Code	40937
Colour	Orange



Sunglasses "Sea Ray-2", polarized 1.50mm

Code	40944
Colour	Navy Blue



Sunglasses "Sea Ray-2", polarized 1.50mm

Code	40945	40946
Colour	Black	Anthracite



## Watches

### Sport Watch, with countdown function

Lalizas sport's watches are ideal for use at sea, as they are water resistant. Their elegant and stylish design makes them suitable, not only for swimming or practicing your favourite water sport, but also for any off-shore activity. They feature functions such as alarm, stopwatch and snooze function, while they have a standard display with hour, minutes, seconds and date. They are also suitable for those involved in racing, as they feature a countdown timer. Lalizas sport watches are available in two different colour combinations, black/blue and black/grey, and are supplied in a gift package.



70160



70161



Code	70160	70161
Colour	Black/Blue	Black/Grey



# Electronics



Antenna Mounts 33  
Marine Stereo Speakers & Megaphone 33



**Antenna Mounts**  
Page 33



**3 Way Speaker Set**  
Page 33

## Antenna Mounts

BEST  
VALUE



Code..... 98692

Fixed antenna mount, H 41mm, Diam. 70mm

BEST  
VALUE



Code..... 99657

### 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 colour.

BEST  
VALUE



Code..... 70144

### 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.

BEST  
VALUE



Code..... 99740

Antenna mount, H 100mm, Diam. 70mm

BEST  
VALUE



Code..... 98698

### 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 colour.

BEST  
VALUE



Code..... 98687

### 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 colour.

BEST  
VALUE



Code..... 99660

Antenna Rail mount, H 65mm

## Marine Stereo Speakers & Megaphone

### Sea Sound Speakers

With Sea Sound Speakers installed in your boat, you can relax or party - listening to your favourite music. Ideal for use in boats, since they are water (31302 & 31303) and corrosion proof. There are two types of speakers available; the 2-way and 3-way speakers. The 2-way speakers may be mounted both indoors and outdoors. On the other hand, the 3-way speakers should only be used inside the boat and can be mounted either horizontally or vertically allowing the speakers 360° of movement. The 3-way speakers are available only in black and the 2-way available only in white.



### 3 Way Speaker Set

Code..... 31304

### Technical Specification:

- 3-Way Speaker Set 180W
- Impedance: 4 Ohm
- Sensitivity: 92 db
- Frequency Response: 80-20000Hz
- Peak Power: 180W (per pair)
- RMS Power: 60W (per pair)
- Material: Polypropylene cone
- Magnet: 5.4Oz

### Dimensions

Height: 21cm  
Depth: 12cm  
Width: 13.5cm



### 2 Way Speaker Set

Code	31302	31303
Diameter (in)	5' 1/4"	6' 1/2"
Watt	80W	100W
Colour	White	White

### Technical Specifications:

#### 31302

- 5 1/4" 2-Way Speaker Set 80W
- Impedance: 4 Ohm
- Sensitivity 88db
- Frequency Response: 80-18000 Hz
- Max: 80W (per pair)
- RMS Power: 70W (per pair)
- Material: UV-stabilised ABS plastic
- Dimensions: 5.25"(133.4mm)

### Mounting Dimensions

Depth: 75mm, Hole: 110mm  
Magnet: 238g (5.4oz + 3oz)

#### 31303

- 6 1/2" 2-Way Speaker Set 100W
- Impedance: 4 Ohm
- Sensitivity 90db
- Frequency Response: 60-18000 Hz
- Max: 100W (per pair)
- RMS Power: 80W (per pair)
- Material: UV-stabilised ABS plastic
- Dimensions: 6.5"(165mm)

### Mounting Dimensions

Depth: 88mm, Hole: 130mm  
Magnet: 411g (8oz + 6.5oz)



Code..... 90168

### Megaphone with Siren, 16W, 320m

- Diameter: 200mm
- Length: 350mm
- Power: 20W
- Sound Coverage: 400m approx.
- Function: Talk/Siren (or Music)
- Batteries: 6D (not included)
- ABS Housing



## Fishing

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NEW

Unbreakable Case, SeaShell, waterproof

Page 35



## Tackle & Utility Boxes

### "LIFETIME GUARANTEE"

... are two individual words which best describe the high-performance\* waterproof cases by SeaShell.

#### Unbreakable Case, SeaShell, waterproof

Virtually unbreakable & made of high quality materials, they integrate simplicity & functionality in a minimal clear top design. No matter if you are in your boat, or rock-fishing, sailing, performing outdoor excises, being on holidays, or ven in a business trip... SeaShell cases will grant top safety for all your carry-on valuables, fishing gear, electronic devices, as well as, everything else you can fit inside!

And of course, they do float in water...

\*High-Performance means: 100% Water-Resistant, Moisture-proof, Dustproof (full-seal vacuum design), Keeping the content dry, floating in the water, made of high-strength compound materials, portable, Very easy to use, All-weather Secure.



Code	71188	71189
Length (mm)	132	
Width (mm)	100	
Height (mm)	40	
Colour	Blue	Yellow



Code	71194	71195
Length (mm)	224	
Width (mm)	130	
Height (mm)	46	
Colour	Blue	Yellow



Code	71190	71191
Length (mm)	182	
Width (mm)	120	
Height (mm)	42	
Colour	Blue	Yellow



Code	71196	71197
Length (mm)	224	
Width (mm)	130	
Height (mm)	70	
Colour	Blue	Yellow



Code	71192	71193
Length (mm)	182	
Width (mm)	120	
Height (mm)	75	
Colour	Blue	Yellow



Code	71198	71199
Length (mm)	224	
Width (mm)	130	
Height (mm)	88	
Colour	Blue	Yellow

Fishing



## Tackle & Utility Boxes

SEA FISHING



Fishing Case, clear

Code	62752	62753
Description	SF510	SF520
Length (cm)	13,2	11,8
Width (cm)	7	9,1
Height (cm)	2,8	2,5

SEA FISHING



Fishing Case, clear

Code	62755	62750
Description	SF530	SF500
Length (cm)	18,5	12
Width (cm)	9	9
Height (cm)	3,8	2,5

SEA FISHING



Fishing Case, clear

Code	70708	70709	70710	70711	70712
Description	SF540	SF550	SF1040	SF1050	SF1060
Length (cm)	15,7	20,5	25,5	27	35,5
Width (cm)	9,8	14	18,8	18,5	23
Height (cm)	3,8	3,8	4	4	5

SEA FISHING



Fishing Case SF1070, tinted

Code	70716
Description	
Length (cm)	35
Width (cm)	23
Height (cm)	5

SEA CASE



Fishing Case, waterproof, blue

Code	61786	61787
Description	SC2010	SC2020
Length (cm)	40	34
Width (cm)	22	20
Height (cm)	20	16

SEA CASE



Plastic Case, 2 compartments

Code	70704*	70705
Description	SC2050	SC2060
Length (cm)	48,2	37,5
Width (cm)	35,8	26
Height (cm)	18,8	12,5

\*w/ safety buckle

Fishing

SEA CASE



Plastic Case SC2070, 1 compartment

Code	70706
Description	
Length (cm)	38,5
Width (cm)	26,5
Height (cm)	8,5

70712 Included

SEA CASE



Plastic Case SC2000, blue

Code	61781
Description	
Length (cm)	47,1
Width (cm)	29,4
Height (cm)	35



Plastic Case SC2040, blue

Code	62758
Description	
Length (cm)	34
Width (cm)	19
Height (cm)	19,5

SEA FISHING



Fishing Case SF505, round, clear

Code	62762
Description	
Radius (cm)	4,5
Height (cm)	2,5

SEA FISHING



Case for accessories or lures, SF, Clear plastic

Code	71013
Description	
Length (cm)	10,7
Width (cm)	7,8
Height (cm)	6,5

SEA CASE



### Fishing Cases

Code	70701	70702	61788	70703	70713	70714	70715	71012	70717	71011	70707	61795
Description	SF1010	SF1020	SF1000	SF1030	SF560	SF570	SF580	SF8080	SF590	SF60	SC2080	SC2030
Length (cm)	80	28	21	21	14,3	20	23	12,7	15	48	36,6	46
Width (cm)	13,5	20	18	12	10	13,5	11	8,6	10,5	23	19	27
Height (cm)	8,5	4,5	10,5	6,5	3,3	3,8	3,5	3,7	3,5	24	18,5	22

SEA FISHING

SEA CASE

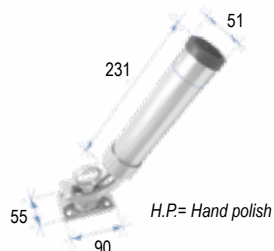
## Rod Holders

BEST  
VALUE



**Rod Holder, plastic**

Code	98678	98679
Internal Diam.(mm)	43	43
Height(mm)	225	225
Colour	Black	White



**Rod Holder (deck type)  
Inox 316**

Code	96861
Surface	H.P.
Holder	Pipe
Body	Casting



**Fishing Rod Holder, Inox 316**

Code	70666
Diameter (mm)	44,4
Length(mm)	195
Base Dimensions (mm)	80x59



**Four Fishing-Rods Holder  
(flush mount), Inox 316**

Code	70619
Diameter (mm)	44,5
Dimensions (mm)	725x193

## Fishing Accessories



### Fishing Chemical Light, Powder

Powder cyallum 3x25mm, 4,5x39mm & 6x50mm for use on a fishing rod. Very long burning time. 2 pcs/ foil bag.

Code	Dimensions (mm)	Colour	Included
61902	3 x 25	Yellow-Green	2 stickers
63458	4,5 x 39	Green	2 clips
63459	6 x 50		



### Fishing Chemical Light, 5x48mm, Liquid with clip & Snap hook/ 2 pcs, Red colour

Liquid cyallum 5\*48mm with clip & snap hook to attach on a fishing rod in bright Red colour. Long duration. 2 pcs/ foil bag.

Code.....63460



### Fishing Chemical Light, powder, with snap hook, Green colour

Powder cyallum 10x100mm (4") & 10x150mm (6") with snap hook to attach on a fishing line or a BCD jacket in bright Green colour. Very long duration. 1 pcs/ foil bag.

Code	Dimensions
63461	10x100mm (4")
63462	10x150mm (6")



### Fishing & Safety Chemical Light, 10x150mm (6") Liquid, with snap hook, Red colour

Liquid cyallum 10\*150mm (6") with snap hook to attach on a fishing line or a BCD jacket in bright Red colour. Long duration, suitable for Safety areas marking . 1 pcs/ foil bag.

Code.....63463



### Flashing led light with photocell,

#### Torpedo 1, red colour, 2 batteries size D

Red colour Flashing Signal light with 5 Super bright LED's. Equipped with a photocell, working only during the night, while it switches off during a day. Uses 2 X D batteries that last for 20 nights.

Acid resistant rubber o-ring waterproofs opening. Durable plastic body with anti tumbling protrusions and stainless steel spring inside.

Code.....63454\*



### Flashing led light with photocell,

#### Torpedo 8, white colour, 1 battery size D

White colour Flashing Signal light with 5 Super bright LED's. Equipped with a photocell, working only during the night, while it switches off during a day. Uses 2 X D batteries that last for 20 nights.

Acid resistant rubber o-ring waterproofs opening. Durable plastic body with anti tumbling protrusions and stainless steel spring inside.

Code.....63455\*



### Blistered Lalizas Alkaline Batteries, 1,5V, D, 2pcs

Code.....31339

\*Batteries not included

## Fishing lines



### Fishing line HYDRA, Flex-Tough 200m

Double coated fishing line with smooth finish and high resistance to abrasion. Very high knot strength. Packed in 200m spools and in diameter ranging from 0,074mm to 0,310mm. Ideal for fishing from rocky grounds or where an abrasion resistant line is needed.

Code	63486	63487	63488	63489	63490	63491	63492	63493	63494	63495	63496	63497	63498	63499
Diameter (mm)	0,074	0,091	0,105	0,128	0,148	0,165	0,185	0,205	0,235	0,260	0,285	0,310	0,330	0,370
Strength (Kg)	0,44	0,66	0,88	1,29	1,72	2,2	2,6	3,3	4,2	5,1	6,1	7,1	8	9,9



## Fishing lines



### Fishing line HYDRA FluoroCarbon,100m

High quality fishing line with 5 layer construction and 100% Fluorocarbon copolymer hybrid leader. Resistant to abrasion, easy handling and almost invisible in water. Packed in 100m spools and in diameter ranging from 0,148mm to 0,310mm.

Code	63479	63480	63481	63482	63483	63484	63485
Diameter (mm)	0,148	0,165	0,185	0,205	0,235	0,285	0,310
Strength (Kg)	1,5	2,2	2,8	3,4	3,9	6	6,7

### Fishing line HYDRA,DYNEEMA-5, 300m

Braided 5 colour fishing line with 100% DYNEEMA fiber. Very strong with minimal extensibility, easy handling and very high knot strength. Packed in 300m spools and in diameter ranging 0,25, 0,30 & 0,35mm diameter of ideal for Casting, Spinning, Jigging, Trolling.



Code	63500	63501	63502
Diameter (mm)	0,25	0,30	0,35
Strength (Kg)	11	15,3	21

### Fishing line HYDRA,Long Cast 200m & 400m

A High quality fishing line with very high knot strength, UV resistant and low memory effect. Packed in spools of 200 & 400m and in diameter ranging from 0,16mm to 0,50mm. Ideal for Casting.



### Fishing line HYDRA,Long Cast 200m

Code	63503	63504	63505	63506	63507	63508	63509	63510	63511
Diameter (mm)	0,16	0,18	0,20	0,25	0,30	0,35	0,40	0,45	0,50
Strength (Kg)	2,31	2,77	3,43	5,6	7,9	10,9	13,5	17,25	20,25



### Fishing line HYDRA,Long Cast 400m

Code	63512	63513	63514	63515	63516	63517	63518	63519
Diameter (mm)	0,16	0,18	0,20	0,25	0,30	0,35	0,40	0,45
Strength (Kg)	2,31	2,77	3,43	5,6	7,9	10,9	13,5	17,25

Fishing



### Fishing line HYDRA,X-TRA Strong 600m

An Extra strong fishing line with low memory and very high knot strength. UV resistant and easy handling. Packed in 600m spools and in diameter ranging from 0,20 to 0,50mm diameter. For all fishing that requires extra strength.

Code	63520	63521	63522	63523	63524	63525	63526
Diameter (mm)	0,20	0,25	0,30	0,35	0,40	0,45	0,50
Strength (Kg)	3	5	6	8	11	15	16



### Fishing line HYDRA,X-TRA Strong 1000m

An Extra strong fishing line with low memory and very high knot strength. UV resistant and easy handling. Packed in a 1.000m coil and in diameter of 0,60, 0,80 & 1,00mm.

Code	63527	63528	63529
Diameter (mm)	0,60	0,80	1
Strength (Kg)	22,5	40	50

## Knives



Boning knife,  
"Y-shaped" cusp,  
Stainless Steel,  
blade: 14,3cm (6")  
Code..... 70195



Boning Knife,  
Stainless Steel,  
blade: 14,3cm (6")  
Code..... 70196



Diving knife "Security",  
Stainless Steel,  
blade: 11,5cm (4,5")  
Code..... 61844



Diving knife "Discovery",  
Stainless Steel,  
blade: 14,3cm (6")  
Code..... 70198



Diving knife "Freedom",  
Stainless Steel,  
blade: 13,5cm, (5,5")  
Code..... 70197

# Boats & Engines



**Double Action Hand/Floor Pump**

Page 44



**Gauge meter with pump adaptor**

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**Under Seat Storage Bag, Ténéré Sit & Store**

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## “HERCULES” Inflatable Boats

### What is an Inflatable Boat

A type of boat that uses air chambers as a means of buoyancy.

### Types

Lalizas “Hercules” inflatable boats are designed to be used as tenders to bigger boats. They are available in 4 sizes, 185, 220, 240 and 270 cm. Depending on the model, various options of floor and keel are available.

### Floor

- **Slatted Roll-up:** Slats are placed along the length of the boat, making it more stable but retaining its flexibility. Due to their small dimensions (80x20x1.2 cm) they are very easy to install or to store.  
 - **Continuous Foldable Wooden:** Consists of large wooden floor boards which are connected with specially designed aluminium connectors (stringers), in such a way, so as to form a continuous rigid floor. When navigating with the motor, it provides very good performance and balance in the boat, as it adds more stability, even at speed.  
 - **Inflatable:** The Lalizas inflatable floor incorporates the latest in design and technology. The floor is only 7cm thick and almost as rigid as the wooden rigid foldable floor. Under power it provides excellent performance and stability while remaining flexible enough to absorb vibration giving a smooth and cushioned ride. Equally important is the fact that it does not add great weight to the boat and it can be stored very easily.

### Keel

Inflatable boats of this size do not normally have a keel. Our boats are very light and handled extremely well, when navigating with the motor. Nevertheless, it is known that a boat with a keel drives and tracks much better and has more lift when using a motor.

- **Inflatable Keel:** An inflatable keel is the best choice for boats of this size, as it offers all the aforementioned advantages, but without the extra weight. Therefore, you can use your boat more often and when the time comes, carry it and store it more easily.

Lalizas offers you the choice between boats with inflatable keels and those without.

### Which “Hercules” is best for you?

It can be difficult to choose which “Hercules” is ideal for your boat. You need to consider the following factors, so as to make the right choice:

**Usage:** You should consider the type and frequency of use. Lalizas suggests that you buy the biggest possible boat. The reason for this is that the bigger the boat the more you will use and enjoy it. Nevertheless, if you intend to use the “Hercules” rarely, for example just to approach the beach, then a small boat will be ideal.

**Performance:** Bigger boats, apart from the extra usable space, tend to perform much better than small ones. Also, boats with a keel ride and track much better when using the motor, than those without a keel. So, if it is performance you require, a larger boat with an inflatable keel would be the best choice.

**Durability:** Slatted floor offers a relatively good degree of durability, but if you intend to use the motor often and for long periods of time, then a continuous wooden floor will be perfect for your boat. The inflatable floor offers you almost the same durability as the continuous floor, but it is much lighter.

**Portability:** Long boats, boats with continuous wooden floor, are heavier than the rest. An inflatable floor is lighter and this the ideal solution, if portability is the main issue for you. You should that remember the more you want to use your “Hercules”, the greater the need for length, good performance and a keel.

### Materials

“Hercules” boats are made of extra strong PVC 1100D 1050 g/m<sup>2</sup> with cold welded seams. PVC is used, because of its resistance to extreme temperatures and chemicals, such as petrol and oil and will provide many years of use. All metal parts are made of stainless steel.

All Lalizas “Hercules” boats carry a 2-year warranty on the tube materials and seams.

### Maintenance

“Hercules” inflatable boats are manufactured to withstand weather conditions and last for a long time. Nevertheless, it is suggested that you follow some basic rules, in order to maintain the boat in good condition and prolong its life.

1. Always follow the instructions regarding the inflation of the air chambers. Pressure should not exceed 0.2 kg/cm<sup>2</sup>.
2. Although manufacture to withstand high temperatures, it is suggested that you do not leave your tender exposed to the sun for a long period of time, while inflated. This may cause fading, discoloration or even fabric breakdown and could even damage the seams due to the increased pressure. Therefore, protect your boat with a cover or clean it, deflate it and store it.
3. After each use, dry your boat and remove any sand and dirt from all the surfaces
4. Under no circumstances allow water to enter the air chambers
5. If any petrol or oil comes in contact with the material, wash with clean water and a mild liquid detergent
6. When the time comes to store your “Hercules” for the winter, remove any dirt and sand, wash thoroughly and let it. Check for any damages and repair if necessary. The tender should be stored in a cool, dry place.
7. It is suggested not to use an outboard motor of greater power other than the size recommended by Lalizas
8. Finally, if you move your “Hercules” while it is inflated, do not drag it across stones, broken glass, tarmac or any rough surfaces. Use the lifting handles and carry it.

**Remember to carry the necessary safety equipment at all times when using any inflatable boat.**

Inflatable Boats “Hercules”		Max Number of Persons	Max Load (Kg)	Max Power (HP/KW)	DIMENSIONS			FLOOR				Inflatable Keel	AIR CHAMBERS		ACCESSORIES							
					Overall Dimensions (cm)	Stowed Dimensions (cm)	Weight (Kg)	Wooden Slats	Wooden Continuous	Inflatable	Diameter (cm)		Number of Air- Chambers	Outboard Strip	Handles	Rope	Oars	Wooden Seat	Storage Bag	Repair Kit	Belows Pump 5Lt	
57348	“Hercules Shorty”	2	280	4,1/3	185x140	102x32x46	24	●				42	2	●	●	●	●	●		●	●	
50910	“Hercules 220”	2	280	4,1/3	220x142	102x32x46	25,5	●				40	2	●	●	●	●	●	●	●	●	
50911	“Hercules 220C”	2	280	4,1/3	220x142	102x30x56	32		●			40	2	●	●	●	●	●	●	●	●	
50920	“Hercules 240”	3	310	4,9/3,6	240x142	102x32x48	26	●				40	2	●	●	●	●	●	●	●	●	
50921	“Hercules 240CK”	3	310	4,9/3,6	240x142	102x30x60	34		●		●	40	2	●	●	●	●	●	●	●	●	
50922	“Hercules 240Ki”	3	310	4,9/3,6	240x142	102x32x48	27			●	●	40	2	●	●	●	●	●	●	●	●	
50930	“Hercules 270CK”	3,5	360	5,4/4	270x142	102x30x66	37		●		●	40	2	●	●	●	●	●	●	●	●	
50931	“Hercules 270Ki”	3,5	360	5,4/4	270x142	102x30x66	29			●	●	40	2	●	●	●	●	●	●	●	●	

## Inflatable Boats

### "Hercules" Inflatable Boats

The inflatable boats are very useful as tenders to the main boat and can be valuable when approaching too shallow water. They are available in four sizes 185cm, 220cm, 240cm and 270cm. Additionally, they come in three floor variations, slatted, continuous foldable wooden or the latest technology, inflatable floor, so you can choose the one that suits you. Floors can also be purchased separately, giving you the choice to meet your needs. Depending on the model, "Hercules" boats come with inflatable keel, which is ideal for better lift and steering, when using the motor.

"Hercules" boats are manufactured with two large diameter air chambers and have a 7cm wide fender strip to protect the tubes, as well as, deflect water away from the boat when seaway. They have handles and safety ropes suitable to hold while seaway or just to lift and carry the boat.

"Hercules" boats are made of PVC 1100D 1050 g/m<sup>2</sup> with cold-welded seams for durability and longer life. Lalizas offers you a 2-year guarantee for the material, as well as, the welding, so you can be sure that your Hercules is made to last long time. All Lalizas inflatable boats are equipped with two paddles, a foot pump, repair kit with rope and glue and a carry/storage bag. They are available in light grey.



Boats & Engines



**Safety Valves** in all the inflatable parts of the boat

**Towing D Ring**, Heavy duty, to tow your boat easily and securely



**Wooden Seat** with Velcro that can be mounted or removed easily



**Oarlocks** designed especially to secure the oars when in use or stored



**Oar Holder** with elastic band to store the oars securely without losing them while seaway



**Label** displaying all technical details of the boat, such as the maximum number of people, maximum load, suggested motor etc



**Outboard Strip** 7cm wide at the point of contact with the dock to avoid damage to the air chambers and also to deflect water away from the boat, while seaway



**Rear Drain Socket** for draining water from the boat. Fitted with a removable cover



#### Packaging Bag for Boats

To store and carry your boat. You can also store all the accessories: two oars, a bellows pump, repair kit and a floor board bag plus the instruction manual.



**Packaging Bag for Floors** to store and carry easily the floor of your Hercules Inflatable Boat.



## Inflatable Boats



BEST  
VALUE

CODE	57348
"Hercules"	185
Maximum Number of Persons	2
Maximum Load	280kg
Maximum Power	4,1 HP / 3KW
Overall Dimensions	185 x 140 cm
Stowed Dimensions	102x32x46 cm
Weight (Including floor)	24kg
Floor	3 Wooden Slats (80x20x1,2cm)
Air Chambers Diameter	42cm
Number of Air Chambers	2
Seat	Wooden Seat (80x23x1,5cm)
Standard Equipment Included	Repair Kit, Foot Pump, 2 Paddles



ISO CD 6185

BEST  
VALUE

CODE	50910	50911
"Hercules"	220	220C
Maximum Number of Persons	2	
Maximum Load	280 kg	
Maximum Power	4,1 Hp / 3 KW	
Overall Dimensions	220 x 142 cm	
Stowed Dimensions	102x32x46 cm	102x30x56 cm
Weight (Including floor)	25,5 kg	32 kg
Floor	3 Wooden Slats (80x20x1,2cm)	Continuous Foldable Wooden
Air Chambers Diameter	40 cm	
Number of Air Chambers	2	
Seat	Wooden Seat (80x23x1,5cm)	
D-Rings	1	
Standard Equipment Included	Packaging Bag, Repair Kit, Foot Pump, 2 Paddles	



ISO CD 6185

BEST  
VALUE

CODE	50920	50921	50922
"Hercules"	240	240CK	240Ki
Maximum Number of Persons	3		
Maximum Load	310 kg		
Maximum Power	4,9 Hp / 3,6 KW		
Overall Dimensions	240 x 142 cm		
Stowed Dimensions	102x32x48 cm	102x30x60 cm	102x32x48 cm
Weight (Including floor)	26 kg	34 kg	27 kg
Floor	3 Wooden Slats (80x20x1,2cm)	Continuous Foldable Wooden	Inflatable
Keel	-	Inflatable	Inflatable
Air Chambers Diameter	40 cm		
Number of Air Chambers	2		
Seat	Wooden Seat (80x23x1,5cm)		
D-Rings	1		
Standard Equipment Included	Packaging Bag, Repair Kit, Foot Pump, 2 Paddles		

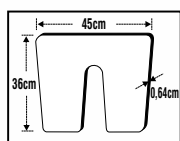


CE Category D

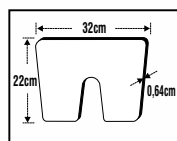
BEST  
VALUE

CODE	50930	50931
"Hercules"	270CK	270Ki
Maximum Number of Persons	3,5	
Maximum Load	360 kg	
Maximum Power	5,4 Hp / 4 KW	
Overall Dimensions	270 x 142 cm	
Stowed Dimensions	102x30x66 cm	102x30x66 cm
Weight (Including floor)	37 kg	29 kg
Floor	Continuous Foldable Wooden	Inflatable
Keel	Inflatable	Inflatable
Air Chambers Diameter	40 cm	
Number of Air Chambers	2	
Seat	Wooden Seat (80x23x1,5cm)	
D-Rings	1	
Standard Equipment Included	Packaging Bag, Repair Kit, Foot Pump, 2 Paddles	

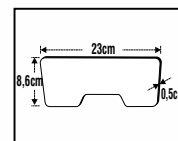
## Outboard Engines Accessories



Code	10311
Colour	White



Code	10314
Colour	White



Code	10317
Colour	White

### Outboard Transom Pad, 45x36cm

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

### Outboard Transom Pad, 32x22cm

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

### Outboard Transom Pad, 23x8,6cm

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

### Safety lock for outboard engines, Inox 316



Code	99525	99526
Length (mm)	235	280

## Inflatable Boat Accessories



Handle for Inflatable Boat  
24x9,5cm - Grey

Code....57332



Rowlock Socket for  
Inflatable Boat - Grey

Code....57333



### Repair Kit

Contents:  
· Glue for PVC Inflatable Boats  
· Inflating Valve Standard  
· Inflating Adaptor for valve  
· PVC Material - 3 pieces

Code....50953



Footpump 5 lt,  
SeaPump

Code....50952



Oval Drain Socket w/  
O-ring Ø 26.3mm

Code	95781	95782
Colour	White	Black



Key for Valves

Code....98789



Inflating  
Adaptor for Valve

Code....98970



Inflating Valve Standard

Code	98788	98966
Colour	Black	Grey



### Nylon Hook for Boats

A useful item for all inflatable boats. It may be used for securing boat covers, sun shades etc. It is made of highly resistant nylon for long-term use and endurance to strain and wear. Available in black or grey.

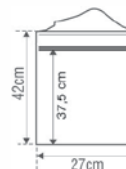
Code	11467	11468
Colour	Black	Grey



### Dry Briefcase

Lalizas Dry Briefcase has been designed especially for the protection of your boat's documents. Made of 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 on the water, depending, however, on the air captured and the weight of the contents. It features a 100% waterproof seal with Velcro.

Code....10450



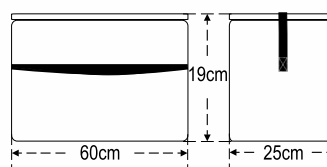
The dimensions shown are when the bag is empty

### Under Seat Storage Bag, Ténéré Sit & Store

The under seat storage bag provides you with the extra storage space that is so necessary on any boat. It is made of PVC Tarpulin and has been designed to fit to any seat. It also features a shoulder strap which allows you to carry the bag when you leave the boat. The top of the bag is padded to "soften the ride" on the wooden seat. It is water resistant, while the waterproof zipper keeps the storage area dry. It is available in grey colour.



Code....70895

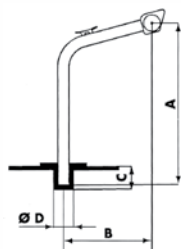




## Davits



Davits Inox 316



Code	A (mm)	B (mm)	C (mm)	D (mm)	Tube Diameter (mm)	Max. Lift Weight (kg)
70141	1200	650	120	45	40	60
70142	1200	750	160	64	60	85

## Roll Bars



### Roll Bars

The Lalizas roll bars are made of very strong 38mm polished SS 316 tubes. They feature a telescopic adjustment in width. The 70635 has welded ss pads on the sights to mount navigation lights or antennas.

### Roll bar for inflatable boats, Inox 316

Height: 1120mm,  
Diameter: 40mm  
Width: 1560-2060mm

Code....70635



### Roll bar for fibreglass boats, Inox 316

Height: 1160mm,  
Diameter: 40mm  
Width: 1650-2150mm

Code....70636

## Inflation Pumps & Accessories

### Double Action Hand/Floor Pump

Lalizas have 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 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. The easy to maintain Lalizas Double Action Hand/Floor Pump is made of strong, non-corrosive, lightweight, grey plastic.

Code....10230

Comes apart 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
- Comes apart easily for inspection or maintenance

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

Large handle

Made of lightweight, non-corrosive plastic

Large foot base



Adjustable pressure release valve



Multi-Valve Adaptor

Code....10231



SEA PUMP

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 it 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



SEA PUMP

Code....11501

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

- Inflates or Deflates
- 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)



Footpump, type SeaPump

Code	11498	50952
Liter(lt)	3	5

NEW



**Manometer  
with pump adaptor**  
Code.....90090

BEST  
VALUE

**Key for valves**  
Code....98789

BEST  
VALUE

**Inflating adaptor  
for valve**  
Code....98970

## Optimist Hardware

BEST  
VALUE

### Optimist Boat Cover

Protects your Optimist from heavy wear and prolongs it's life. The Optimist boat cover covers the entire dinghy 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.

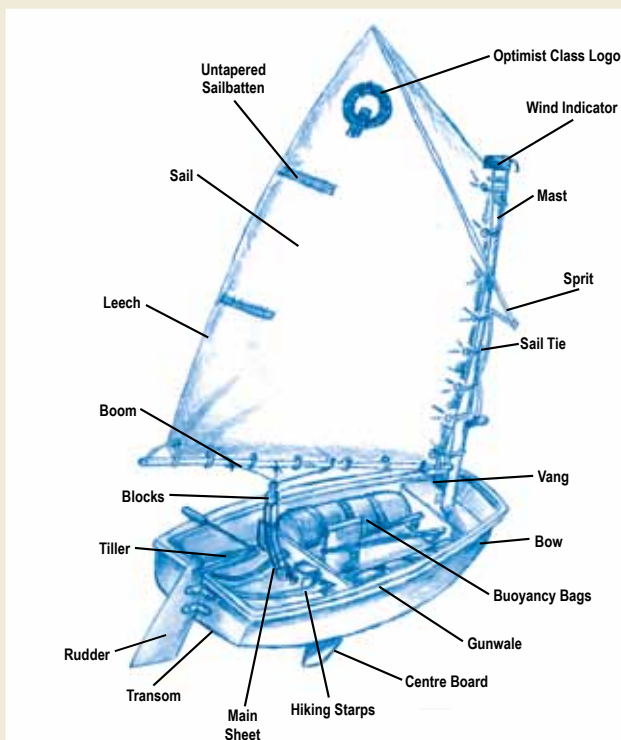
Code.....70174

BEST  
VALUE

### Optimist Hiking Straps, L 1,5m W 5cm

Optimist hiking straps hold sailor's feet when hiking and absorb individuals' shocks during rough sailing. Our straps are made of 600D Polyester with PVC backing. They are filled with NBR foam in the middle, for both water resistance and a pleasant feel. The straps are put together on one edge, so as to be adjustable to the length of your feet. The straps are open on one edge to tie them on your Optimist, using a plate or buckle.

Code.....70175



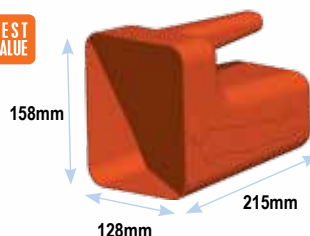
57353

BEST  
VALUE

57354

**Buoyancy Bag with valve for  
Optimist, grey**

Code	Material	Max Air Pressure	Dimensions
57353	PVC	0,5PSI	41x100cm
57354	Nylon with TPU	3,6PSI	

BEST  
VALUE

**Scoop Bailer,  
2,5lt, orange**  
Code.....11919

BEST  
VALUE

**Deck Collar for  
Optimist, Diam. 57mm**  
Code.....70139

Boats &amp; Engines

## Oars & Oarlocks

ADVISOR

### Paddles

Paddles and Oars are an alternative for propelling your boat instead of using an engine. It is essential to choose the right type and size in order to achieve the best results. Firstly, paddles should not be too long, as they will be difficult to pull, cause fatigue and will not clear the water on the backstroke. If paddles are too long the hand grips can clash, while if they are too short, the blades will not dig deep enough into the water. Both situations can cause premature tiredness and even injury.

When sizing paddles, you should follow this basic rule:  $(\frac{1}{2} \text{ beam (distance between oarlocks)} \times 3) + 15\text{cm} = \text{preferred paddle length}$

Boats that are narrow-beamed and/or have low-freeboard are more suited to shorter oars and paddles. The sizing and choice of a canoe paddle is based on the length of the paddler's torso and the paddler's position in the canoe. Lalizas suggests bow paddlers use shorter paddles since they are easier to use. The paddle length should correspond to the measurement from the canoe floor to the middle of the paddler's chest. For stern paddlers and solo canoeists, longer paddles are ideal for controlling the direction of the canoe. It is suggested they use paddles that reach from the canoe floor up to the collarbone. T-handle grips are very comfortable if you are paddling for long periods, while for an emergency paddle, one that fits in the available space of your boat is the best choice.



## Oars & Oarlocks



Palm Grip Paddle

50190  
50200



Power Palm Grip

50220  
50240



Standard Paddle

50210  
50230



Paddle

50250 50270  
50290 50300



Paddle with removable blade, Grey

50992  
50994

BEST  
VALUE



Paddle with removable blade, Black

50993  
50995

BEST  
VALUE



Multi-User Paddle (with Hook)

50260



Kayak Paddle

50280



Telescopic multi-user Paddle (with hook)

57207  
57347

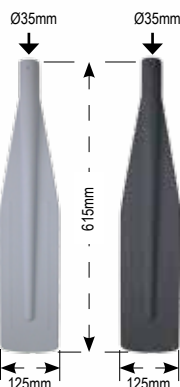


Kayak Paddle

50310

Code	Length(cm)	Diameter(mm)
50190	105	25
50200	120	
50210	130	
50220	135	35
50230	150	25
50240	155	35
50250	160	
50260	165	25
57207	156-242	30
57347	122-169	
50270	185	35
50280	200	25
50290	205	35
50300	220	
50310	230	30
50992	140	35
50993		
50994	150	
50995		

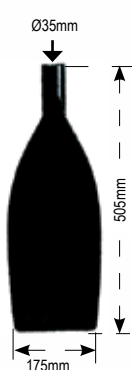
Blade for Paddles  
(50992-50995)



BEST  
VALUE

Code	51000	51001
Colour	Grey	Black

Spare Large Paddle  
Blade Ø 35mm



Code....00842

Spare Paddle  
Blade Ø 30mm



Code....50000

Spare Paddle  
Blade Ø 25mm



Code....00632

Palm Grip,  
Ø 25mm



Code....00633

Handle for Large  
Paddle Ø 35mm



Code....00843

Spring  
Clip  
Ø35mm



Code....50530

Paddle Collar  
Ø 35mm



Code....50130

BEST  
VALUE



Rowlock Socket for  
Inflatable Boat - Grey

Code....57333

Handle,  
Ø25mm, grey



Code....50907

Handle,  
Ø30mm, grey



Code....50909

Handle,  
Ø35mm, grey



Code....51031

Handle,  
Ø 30mm



Code....50100

Handle,  
Ø 25mm



Code....50908

Handle,  
Ø 35mm



Code....50110



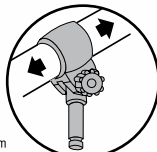
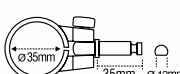
Rowlock with  
holder, inox,  
Ø 16mm,  
Length: 180mm

Code....70632



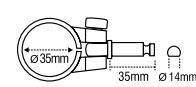
Oars Lock with metal  
pin Ø 35mm

Code	50996	50997
Colour	Grey	Black



Oars Lock with plastic pin  
Ø 35mm

Code	50998	50999
Colour	Grey	Black



# Watersports & Diving



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Neoprene wetsuits & Rash Guards	48-50
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Diving Knives	50



Neoprene Wetsuits & Rash Guards

Page 40-50





## Tow & Ski Ropes



**Ski rope "Water Action"**

Code	92889
Length	23m
Diameter	8mm (5/16")
Strength	454kg
Strands	16
Handle's Length	28cm (11")
Handle's Material	Aluminium with rubber
Handle's Colour	Black

*\*Handle is not detachable*



**Tow Rope**

Code	92893
Length	18,3m
Diameter	13mm (1/2")
Strength	1100kg
Strands	16



**Ski rope "Professional"**

Code	92888
Length	23m
Diameter	10mm (3/8")
Strength	726kg
Strands	16
Handle's Length	30cm (12")
Handle's Material	Aluminium with rubber
Handle's Colour	Black

*\*Handle is not detachable*



**Tow Harness w/ float & pulley**

Code	98745
Length	2,5m
Diameter	8mm (5/16")
Rope Strength	454kg
Strands	8



**Tow Harness w/ float**

Code	98744
Length	2,5m
Diameter	8mm (5/16")
Strength	454kg
Strands	8

Watersports & Diving



Combine our water sports accessories Sea Sports with the neoprene wetsuits Pro Race (pg. 48-49), the gloves (pg. 19), the boots (pg. 19) and the buoyancy aid (pg. 162-165) for maximum comfort and safety.



## Neoprene Wetsuits & Rash Guards

### Pro Race series

The Pro Race series will greatly improve your sporting experience. Sailors, water-skiers, surfers, windsurfers, wakeboarders, snorkeling and kayak devotees select Pro Race quality for all waters. Increase your adrenalin rush by wearing your Pro Race shield.

### Neoprene Full Wetsuit Pro Race 3:2mm

Full wetsuits are your winter sport garment for all waters. It offers you up to 1-hour protection from 8°C cold water with 3:2mm neoprene thickness. Your main body is covered with 3mm neoprene thickness, while your legs and arms are covered with 2mm neoprene thickness. Therefore, the neoprene suit keeps your body warm and offers you high degree of flexibility. Flatlocked seams, waterproof back zipper, adjustable neck and aqua stops at limb-ends prevent water leaks and keep you warm. Wind resistance is provided to your chest and back, which are covered by an additional overlay of impermeable fabric. This wetsuit is equipped with special kneecaps and a hidden small pocket (at the back) for your keys.



**For Men**



**For Ladies**



**For Children**

### For Men

Code	70526	70527	70528	70529	70530
Size	S	M	L	XL	XXL

### For Ladies

Code	70521	70522	70523	70524	70525
Size	S	M	L	XL	XXL

### For Children

Code	70531	70532	70533	70534	70535
Size	JS	JM	JL	JXL	JXXL





## Neoprene Wetsuits & Rash Guards

### Sailing Shoes, 2mm

Pro Race shoes are stylish and comfortable footwear for the beach and all water-sport activities. They have 2mm neoprene thickness and rubber soles to keep you warm and stable on rough surfaces. Pro Race shoes are flexible as they protect your feet from sand and water irritations. They are easily packed for beach walks and you will find them useful during boating, surfing or snorkeling, because they insulate your feet from friction on rough surfaces, rocks and coral reefs.

#### For Children

Code	70558	70559	70560
No	31/32	33	34/35



#### For Adults

Code	70550	70551	70552	70553	70554	70555	70556	70557
No	36	37/38	39	40/41	42	43/44	45	46/47

## Diving Buoys

### Diver Buoy

It is ideal for divers wearing air cylinders. It is easy for the diver to use, since it is especially designed so as to allow diver freedom of movement without jeopardizing his safety. The red buoy is folded and attached with a rope (6m) inside the blue case; the case has a sewn black plastic clip on, which allows the diver to fasten the buoy onto his suit for easy carrying. Additionally, the case features a whistle for use in any emergency. The buoy is made of soft PVC, 0.3mm thick, while the case is made of 1000D Polyester with PVC film, 0.5mm thick.

Dimensions: L 20cm W 8cm (packed)  
H 145cm W 5.8cm (inflated)

#### Instructions of Use

Open the case and release the buoy. Use the cylinder to provide the buoy with a small quantity of air. In this way, the pressure of the air, along with the pressure of the water will allow the buoy to inflate and pop up onto the water surface, warning other boats that a diver will soon be afloat at this specific point.

Code...70017



BEST VALUE

BEST VALUE



Round marker buoy small, "SAFE DIVE"  
diam. 30cm, height 50cm

Code..... 97814

BEST VALUE



Torpedo diving marker buoy, "SAFE DIVE"  
diam. 28cm, length 88cm

Code..... 97816

BEST VALUE



Torpedo diving marker buoy, reinforced, "SAFE DIVE" with 20m rope

Code..... 97813

## Diving Knives



Diving knife "Security",  
Stainless Steel,  
blade: 11,5cm (4,5")

Code....61844



Diving knife "Discovery",  
Stainless Steel,  
blade: 14,3cm (6")

Code....70198



Diving knife "Freedom",  
Stainless Steel,  
blade: 13,5cm (5,5")

Code....70197

# ***LALIZAS*** ***30 years***

**Over 9.000.000m<sup>2</sup>**

If we spread **all the covers** we sold in the past 30 years, we could cover the entire **Sahara Desert**



***"...When Identity Matters"***



# Engine



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Marine Horns	56-57
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Outboard stainless steel 316, adjustable bracket with plastic pad for engines up to 7 HP

Page 54



Engine Covers

Page 56



Outboard stainless steel 316, adjustable bracket with wooden pad for engines up to 7 HP

Page 55

## Fuel Tanks & Accessories



### Fuel Tank

Made of extremely tough plastic, 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



### Flexible Funnel with Filter Diam.145mm

Code.....31354

## Deck Fillers

### Deck fillers for gas, diesel, water & waste

The Lalizas Deck Filler range includes deck fillers suitable for water, fuel and waste. They are designed in such a way that the full lid area is totally covered, which makes the final look much more attractive. You have choices of locking mechanisms - the deck fillers lock with either button, winch handle or by hand. Each deck filler could have a different function, which will always be clear - by using the relevant sticker (water, fuel, waste) included in each filler's packing. They are made of highly resistant plastic and are available in 38mm and 50mm diameter.

BEST VALUE



Deck filler,  
with locking button

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

BEST VALUE



Deck filler  
(locking w/ winch handle)

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

BEST VALUE



Deck filler

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

BEST VALUE



Deck fill with chrome plated  
cap & locking button

Code	70590	70591
Tube Diameter	38mm (1-1/2")	50mm(2")

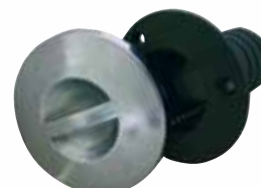
BEST VALUE



Deck fill with chrome plated  
cap (locking winch handle)

Code	70592	70593
Tube Diameter	38mm (1-1/2")	50mm(2")

BEST VALUE



Deck fill 38mm tube with  
chrome plated cap

Code	70594	70595
Tube Diameter	38mm (1-1/2")	50mm(2")

## Outboard Engine Flushers

BEST VALUE



Motor flusher rectangular

Code....98748

BEST VALUE



Motor flusher oval

Code....98749

## Drain Plugs

Oval Drain Socket w/  
O-ring Ø 26.3mm



BEST VALUE

Code	95781	95782
Colour	White	Black



## Hydrofoils

### ADVISOR

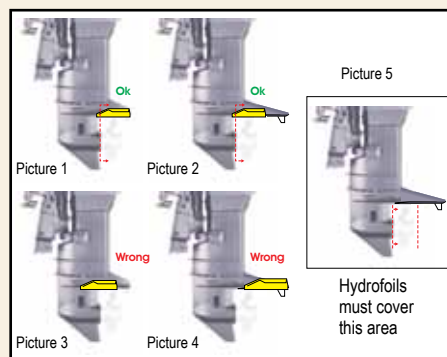
**Use:** Hydrofoils are specially designed wings which increase a motor's performance. They are available in two sizes, for 4HP to 50HP motors and for over 50HP. They are placed just above the propeller. By using the hydrofoils, fuel consumption is decreased, navigation is much smoother, stability is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

**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 two 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 only a small amount of water will be pushed against it or if it is mounted too far at the back (see picture 4), then 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-Hydrofoils

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

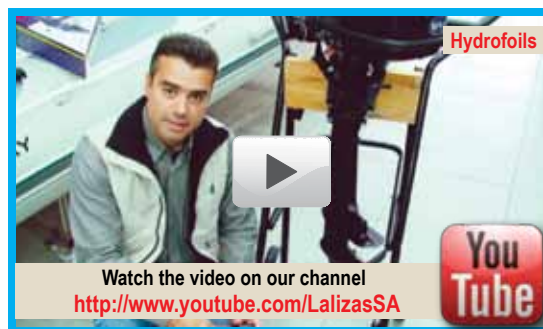
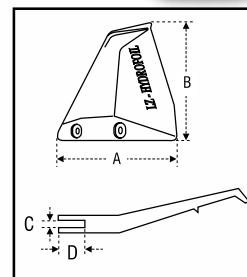
The features that count:

- 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	4HP to 50HP	50HP and Over
A(mm)	185	270
B(mm)	180	240
C(mm)	5	7
D(mm)	23	30



## Outboard Engine Brackets



**Plastic outboard bracket for engines up to 50Kg, Inox 316**

5 adjustment control  
Code....90726



**Plastic outboard bracket for engines up to 35Kg, Inox 316**

5 adjustment control  
Code....90725



**Outboard stainless steel 316, adjustable bracket with plastic pad for engines up to 7 HP.**

Code.....99493



**Outboard bracket with plywood pad for engines up to 40Kg, INOX 316**

5 adjustment control  
Code.....95889



**Outboard bracket with plywood pad for engines up to 60Kg, INOX 316**

5 adjustment control  
Code.....95890



NEW

**Outboard stainless steel 316, adjustable bracket with wooden pad for engines up to 7 HP.**

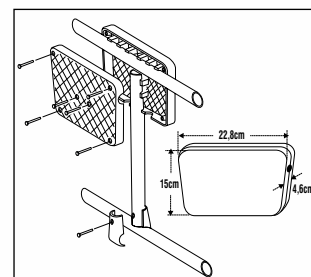
Code.....99492



#### Rail Mount Motor Bracket White

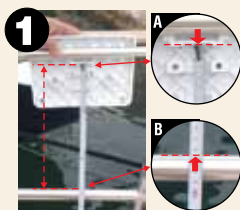
Ideal for permanently mounting your outboard on the stern rail instead of having to remove it when not in use. Made of rigid, non-slip UV resistant plastic, the bracket provides a secure and stable mount for your auxiliary outboard engine. Designed to fit 25mm diameter rails.

Code.....10319



Engine

#### 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)



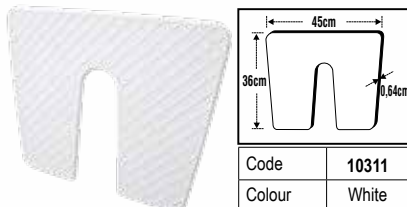
3. Screw the tube to the lower rail



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

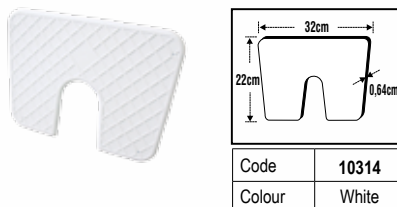


#### Outboard Engine Accessories



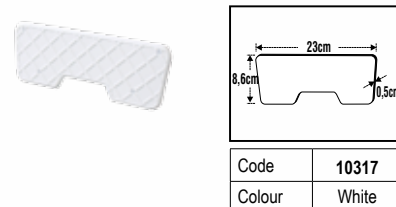
#### Outboard Transom Pad, 45x36cm

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



#### Outboard Transom Pad, 32x22cm

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



#### Outboard Transom Pad, 23x8,6cm

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



## Outboard Engine Accessories



### Engine Covers

The SeaCover for engines are ideal for protection against water, sun and dust. They are made of 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 available are 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. There are also full body covers, which feature an elastic cord and a zipper, so as to ensure the best possible engine protection, including the shaft. There are 7 different sizes of the covers for the top part of the engine and 3 different sizes for the full body covers. All

SeaCover covers are supplied in silver colour.

The tables below show the different sizes of SeaCover. The dimensions refer to the length, width and 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 will differ according to the size of the engine.



BEST  
VALUE

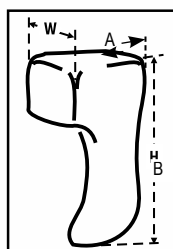


### Full Body Covers

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

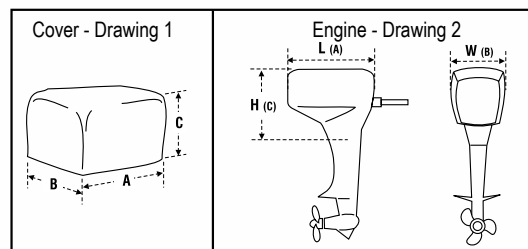


To choose the most suitable full-body cover for your engine, you should measure the engine's height (B) as well as its width (W). In order to calculate correctly the maximum height that the appropriate cover should have, you should deduct from the engine's height (B) half of its width (W).

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).



### Safety lock for outboard engines, Inox 316

Code	99525	99526
Length (mm)	235	280

## Marine Horns

BEST  
VALUE



**Signal Horn  
Set 'Echo-200' -  
200ml**  
Code....11506

BEST  
VALUE



**Signal Horn  
Set 'Echo-380' -  
380ml**  
Code....11507



**BEST VALUE**

**Refill Canister 200ml for Signal Horn 'Echo-200'**  
Code.....11505



**BEST VALUE**

**Refill Canister 380ml for Signal Horn 'Echo-380'**  
Code.....11508



**BEST VALUE**

**Fog Horn Head Only for 'Echo-200' & 'Echo-380'**  
Code.....11509



Install trumpet by clipping it to the top of the canister



To operate push down the button on the top of the horn



Signal horn must always be used in upright position



Do not expose the pressurised container in direct sunlight. Do not expose to temperatures exceeding 40°C. Do not pierce or burn, even after use



**Complete Units in Blister Packing**  
Signal Horn 380ml Acoustic range approximately 1500 m.



**Fog Horn Head Only**  
Code.....10031



**Refill Horn Canister**  
Code.....10032



**SignalHorn & Refilling Canister in Blister Pack**  
Code.....10033



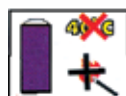
1. Install horn by screwing it on the pressurised container



2. To operate press down the horn



3. Signal horn must always be used in upright position



4. Do not store the pressurised container in direct sunlight. Do not expose to temperatures exceeding 40°C. Do not pierce or burn, even after use.

Engine

## Steering Wheels

### Steering Wheel Classic, Diam. 350mm

Steering wheel "Classic" is made of polypropylene with 350mm in diameter, while the diameter of the wheel's hole is 37mm. It has an ergonomic design and will very simply fit into most boats. You have the choice 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.

Code	70001	70132
Colour	Black	White



**BEST VALUE**



**Steering wheel, stainless steel with black foam**

Code	99701	99702
Diameter (mm)	390	343

Ø17,3mm



Ø19,3mm



**Steering wheel, stainless steel with cap**

Code	90072	90087	90071
Diameter (mm)	343	390	457



# Maintenance



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**Boat Cleaning Set**  
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**Fabric Bucket**  
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**Masking Tapes**  
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## Paint Brushes

Paint Brush SeaWare, white



Code	Width
70243	1"
70244	1 1/2"
70245	2"
70246	2 1/2"
70247	3"

Paint Brush SeaWare, black



Code	Width
70248	1"
70249	1 1/2"
70250	2"
70251	2 1/2"
70252	3"

## Masking Tapes

### Marine Duct Tape

Marine Duct tape is a waterproof cloth tape, which can be used in numerous indoor or outdoor jobs and repairs. It is supplied in several colours and two different sizes.



Code	Dimensions	Colour
11545	50mm x 5m	Black
11546	50mm x 5m	White
11547	50mm x 5m	Red
11548	50mm x 5m	Blue
11549	50mm x 5m	Silver
11550	50mm x 50m	Black

### Masking Tape, cream

Masking Tape is a general-purpose tape and is suitable for holding, sealing and surface protecting. It has been designed for indoor use but also for extended outdoor use. It is supplied in cream colour and 3 different sizes.



Code	Dimensions
11851	20mm x 50m
11852	25mm x 20m
11853	50mm x 50m

## Double Sided Tapes



Code	Dimensions
11850	2mm x 18mm x 1.6m



### Instructions of Use

Use 10cm (4") of tape for every 227gr of the item to be mounted. The tape is suitable for objects with maximum weight up to 900gr.

1. Cut the tape at the necessary length. Do not remove the protective liner
2. Press the tape on the back of the object to be mounted. Press firmly on the liner for a better outcome
3. Remove the liner and press firmly the object on the bulkhead

**Note:** If you wish to remove the mounted object, insert a knife behind the mounted object and cut the tape between the two surfaces. Don't pull the object, in order to avoid damaging the surface or the object.

### Mounting Tape, white

General fixing is now easy with this double-sided adhesive tape. It is suitable for mounting pictures or any other decoration on most types of dry and smooth surfaces.

## Sealing Tapes & Sealants

### Vinyl Foam Thermal & Sound Insulating Tape, black

Thermal & sound insulating tape is suitable for all pipelines, temperature and sound insulation and decoration. Generally, it can be used whenever a specific area or place needs to be insulated, in order to be protected by the variations of temperature or even to protect from undesirable sounds. It can also be used between the hull and the sole boards, so as to minimise the squeaking noises. The tape is available in 2 different sizes.



Code	Dimensions
11854	50mm x 5m
11855	25mm x 5m



### Marine Neoprene Tape "Hatchseal"

Code	Dimensions	Colour
11551	3m x 19mm x 3mm	Black
11552	3m x 19mm x 6mm	Black

## Nonslip Tapes

### Nonslip Tape, General Purpose



Code	Dimensions	Colour
11846	25mm x 5m	Black
11847	25mm x 5m	White

























### Nonslip Tape, with elasticity

Code	Dimensions	Colour
11848	25mm x 5m	Black
11849	25mm x 5m	Grey



## Tool Kits

Tools		Quantity	Tool Kit Basic 11474	Tool Kit Professional 11475
Set of metric Hex (Allen) keys: 2,5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm		7	●	●
Flat head screw drivers: 6mm, 10mm, 15mm		3	●	●
Philips screw drivers: PH1, PH2 and PH3		3	●	●
Open end spanner set: 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, and 22-24		8	●	●
Hammer 250 gr		1	●	●
200mm linesman pliers		1	●	●
150mm Long nose pliers		1	●	●
250 mm Adjustable Spanner		1	●	●
Hacksaw		1	●	●
HSS blades		2	●	●
250mm Adjustable pliers		1		●
200mm Mold Grip (locking) pliers		1		●
Set of ring- open end spanners: 6mm, 7mm, 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 24mm, 27mm, 30mm.		13		●
Short neck screw drivers: flat head and ph2		2		●
3/8" Socket set with	3/8" DR. Ratchet Handle	1		●
	Long extension bar 3/8" Dr. X 6"	1		●
	Short extension bar 3/8" Dr. x 3"	1		●
	21mm spark plug socket	1		●
	3/8" Dr. sockets: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm	10		●
	1/2" Dr. Socket: 24mm, 27mm, 30mm	3		●
	Adaptor 3/8" Dr.to 1/2" Dr.	1		●
Knife with 5pcs changeable blades		1		●
Metric filler gauge		9		●
Crimping tool / wire stripper		1		●
Rivet gun Up to 5mm alloy rivets		1		●
12 volt soldering iron		1		●
1mm solder		1		●
Mini table vice		1		●
Electrical multi meter		1		●
Total number of tools included			28 pcs.	79 pcs.

### Marine Tool Kits Basic and Professional

Lalizas Marine Tool Kits are suitable for dealing with many common repairs on a boat. Depending on the model, they are equipped with almost all necessary tools, such as wrenches, screwdrivers, pliers, spanners, electrical multi-meter and many others. Useful for work on the deck, on the engine or on electrical and electronic appliances. All tools are made of durable chrome vanadium material; they are non-corrosive and designed for long-term use. For their easy carriage and storage, Lalizas provides you with a durable plastic case, available in two sizes, depending on the model and the tools included.

SEA  
TOOLS



11474

11475

Code	11474	11475
Description	Basic	Professional
Tools	28pcs.	79pcs

\*The tools included in the Basic Kit version are suitable for small boats, while the Professional will give far more versatility.



## Teak Plugs

Teak Plugs  
Set of 20pcs

SEA  
TOOLS



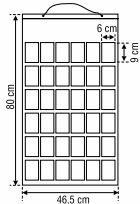
Code	93248	93250	93244	93246	93247
Diameter(mm)	6	8	10	12	15

## Boat Lettering & Graphics

### Letter Case

The Lalizas Letter Case has been designed for the convenient and effective display of vinyl letters. It is made of 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 required. 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



### PVC Stickers Ø135mm



No shoes

Code....10150



No smoking

Code....10160



No swimsuits

Code....10170



No harassing the captain

Code....10180



No bras

Code....10190

### Silicone Stickers Ø80mm



No paper in the toilet

Code....95758



No Shoes

Code....95759



No bras

Code....95760



No swimsuits

Code....95761

## Boat Brushes & Handles

### USEFUL HINTS

### Keeping your boat and the environment clean

It is highly important that your boat is kept clean at all times.

It is just as important to keep the environment clean and unpolluted with soap and various other chemical substances, found in detergents, so that you can enjoy clean beaches, crystal clear seas, thriving with marine life.

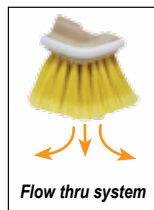
Here are some tips to help you keep your boat clean and the environment unspoiled.

1. Cleaning should be done often. Scrub hard and mop up any spills right away
  2. Never allow any dirt or spill to set - it will be much more difficult to clean it then
  3. Avoid using detergents that contain strong substances, such as phosphates, since they are extremely dangerous pollutants to the marine environment
  4. Always try cleaning with water first. If this doesn't work, then a mild detergent or 'homemade' solution should do the job
- In cleaning always try to avoid using strong detergents. Instead you make your own solutions that clean just as well and do not pollute the environment

1. To bleach: use vorax or hydrogen peroxide
2. To polish wood: 3 parts olive oil and 1 part white vinegar
3. To polish chrome/metal: apple, cider vinegar to clean; baby oil to polish
4. To scour: Baking Soda
5. Cleaning the following surfaces:
  - a. Fiberglass: A paste of baking soda and salt
  - b. Aluminium: 2 tbsps cream of tartar, dissolved in 1/4lt hot water.
  - c. Brass: Worcestershire sauce or paste made of equal parts vinegar, salt and water. Rinse
  - d. Chrome: apple cider vinegar to clean; baby oil to polish
  - e. Copper: lemon juice and salt. Spread; wait; then rinse
  - f. Decks/Floors: Cup of vinegar, 1 gallon / 3,5lt of hot water. Scrub; swab; mop. Beware, it will remove any polish
  - g. Lexan: 1 cup of vinegar, 1 pint / ½ litre of water. Apply with a soft cloth. Polish Dry
  - h. Mildew/Mold: A paste using equal parts of either lemon juice and salt or vinegar and salt. Vary treatment per location
  - i. Shower: Wet area; Sprinkle on baking soda; rub with scouring cloth and rinse
  - j. Refrigerator/cooler: Wipe with wet cloth dipped in baking soda
  - k. Toilet: Add baking soda and brush with great enthusiasm. A cup of vinegar left overnight in the head will reduce the build-up of salts and lime scale
  - l. Windows: 1 cup of vinegar in 1/4 lt warm water. Wash; rinse and squeegee



Code...57345



Flow thru system



Flow thru system

Code.....50904

### Boat Wash Brush 'Flow Thru', Medium Bristle H 6,5cm, Yellow

The Lalizas boat wash brush is made of dense medium bristles that retain water and create rich foam, making it ideal for cleaning surfaces with no persistent dirt. The Lalizas medium brush incorporates a screw thread to attach any of the plain or telescopic handles (57340-2). Furthermore, its improved design with flow thru system allows you to attach the relevant handle (57344) and have a constant flow of water right at the point you want to clean. Unlike traditional wooden brushes, the Lalizas wash brush is made of plastic body - 20,3cm in length - and PVC bristles 6,5cm long, offering more durability and greater resistance to sun and salt water. Finally its white silicone bumper will protect your boat surfaces from any damage, during cleaning.

### Boat Scrub Brush 'Flow Thru', H 5cm, White

The Lalizas scrub brush is ideal for scrubbing surfaces where stubborn and persistent dirt exists, as it is made of hard bristles for fast and effective cleaning. As with the medium brush, the scrub brush also incorporates a screw thread to attach any of the plain or telescopic handles (57340-2). Additionally, it features flow thru system, which allows you to attach the relevant handle (57344) and have a constant flow of water through them right at the point you clean. Lalizas scrub brush is highly resistant to the marine environment, since it is made of plastic body 20,3 cm long and 5cm PVC bristles. Finally, it features white silicone bumper, which will protect your boat surfaces from any damage, during cleaning.



Flow thru system

Code.....50905



## Boat Brushes & Handles

### Boat Brush "Flow Thru", 4 sides, yellow

Code.....70689



Flow thru system

Code.....57180



### Boat brush Soft with folding head

To keep your boat clean even in the most difficult places, Lalizas offers you the soft boat brush with folding head. It is made of highly resistant plastic and PVC 0.25mm for durability and high resistance against sun and salt water. It features a folding head that will help you reach and clean difficult places such as the hull and the bilge. It incorporates a special screw thread for attaching to Lalizas plain and telescopic boat hooks (57340 - 2). The soft brush is finished in beige with blue bristles.

### Telescopic Handle 'Flow Thru' for Boat Brush

Code.....57344

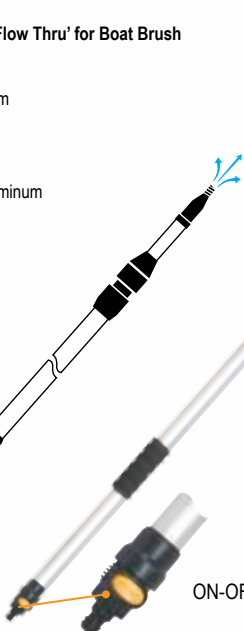
Length.....127 - 220 cm  
Ø 2,5 - 3,2 cm

- Made of anodized aluminum
- Water hose connector
- ON-OFF switch

Water hose connector



ON-OFF switch



### Aluminum Telescopic Handle for hook/brush

Code.....57342

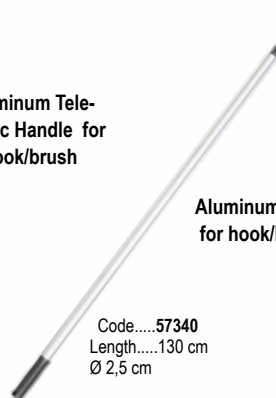
Length.....165 - 305 cm  
Ø 2,2 - 2,5 cm

### Aluminum Telescopic Handle for hook/brush

Code.....57341  
Length.....105-179 cm  
Ø 2,2 - 2,5 cm

### Aluminum Handle for hook/brush

Code.....57340  
Length.....130 cm  
Ø 2,5 cm



Maintenance



For a smooth operation with the best results, combine the telescopic handle 'Flow Thru' (57344) with the relevant wash and scrub brushes (57345, 50904-5). Evenmore all Lalizas brushes fit perfectly on the plain and telescopic handles (57340-2).



Code.....50906



### Boat Cleaning Set

The Lalizas cleaning set consists of one wash brush (50904), one scrub brush (50905), one hook and one telescopic handle. The boat brushes are used for gentle or hard cleaning respectively. They are made of plastic and PVC giving good protection against salt, water and sun. The nylon hook is light and designed for easier and better use in action. The brushes and hooks by Lalizas are all threaded in order to easily fit to the handle. The telescopic handle is 105cm long and can extend up to 179cm, so that you can adjust it accordingly. It is made of anodised aluminium for more durability and longevity. These Lalizas cleaning products have been designed totally for your convenience.

## Vacuums



Code.....31403

### Vacuum Cleaner Sea Power, 12V, 5m cable

This small sized vacuum cleaner is ideal for cleaning the interior of boats and cars. Includes a 5m power cord with 12V lighter plug, a standard wide-mouth attachment for cleaning furniture and a crevice attachment. Vacuum Power is 15mbar.

**Features:** DC 12V, **Vacuum Power:** 1500Pa, **Power Source:** 12V cigarette lighter Plug, **Accessories Included:** standard wide-mouth attachment & crevice attachment

## Sponges & Buckets



### Fabric Bucket

Code.....99203

BEST VALUE



### Marine Super-absorbent Sponge, 23x11.5x4.5cm

Code.....57346



**Diaphragm Bilge Hand Pump**

Page 67

BEST  
VALUE



**Diaphragm Water Pump**

Page 67

NEW

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## BILGE PUMPS - LEVEL & FLOAT SWITCHES

**What is a bilge pump?** A bilge pump is a device that can be used to pump excess water from the bilge of the boat.

**What is a Float switch?** A Float switch is a device, which at a specific water level will activate the bilge pump(s).

### Categories

**Bilge Pumps:** It is advisable that all boats should have bilge pumps. These are divided according to the quantity of water they can pump per hour. The Lalizas range includes bilge pumps that can pump 500, 600, 700 or 1000 gallons per hour (1 gallon = 3,7854lt).

**Float Switches:** There are two types of switches available from Lalizas.

- Mechanical Float Switch FS-40 and 91549. They are activated by the rising water level, which pushes upwards the built-in float.
- Environmental Electronic Level Switch (EELS). The latest in technology, this switch has an electronic sensor which activates the bilge pump as soon as it 'senses' the water level rising. The EELS has the unique ability to distinguish harmful substances that may be found in the bilge, such as oil, gas etc. Even more important is the fact that it will not allow these substances to be pumped out into the sea.

**Materials:** All Lalizas bilge pumps are made of shatterproof ABS plastic and operate at 12V. On the other hand, the switches are made of a combination of ABS plastic and Nylon. The contacts of the electronic switch are protected from environmental factors, thus making it 100% waterproof.



Advisor



Information



Best Value



With Cables



New Product



Captain's proposal

## Bilge Pumps

### ADVISOR

**Use:** Bilge pumps are used to remove excess water from the bilge of the boat or transfer liquids. They are necessary equipment in your boat, as they free your hands from removing the excess water from the bilge and assist in maintaining your boat in good condition. Before you choose a pump, you should consider the size of the boat, the quantity of water pumped and the discharge height. Please note that the higher the discharge height, the harder the pump has to operate in order to push the water overboard. Generally for 1m discharge height the following are suggested:

Boat < 6m => 600L/h (liters per hour)\*

Boat > 6m => 900L/h (liters per hour)\*

Boat > 6m => 1800L/h (liters per hour)\*

\* 1 Gallon (G) = 3.7854 liters (lt)

**Instructions of Use:** An important prerequisite for the normal operation of all electric devices is their connection to the main circuit. Lalizas bilge pumps are connected in series to the main circuit and it is suggested that you use a 10A fuse. It is very important that you follow the wiring instructions when connecting the pump. The device can be mounted vertically to the hull, at a point where most of the excess water is found. The bilge pump may be activated either manually via a switch installed by you or automatically by a float switch (sold separately). There are also versions with a built-in level switch.

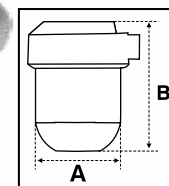
**Maintenance / Replacement:** Lalizas bilge pumps are manufactured so as to operate efficiently even after long periods of time. However, for the best performance you should use and maintain them properly. Therefore Lalizas suggests the following:

- Use your bilge pump in combination with a float switch
- Place a 10A fuse in series with the main circuit
- Clean the bilge pump from any dirt
- Check regularly that everything operates correctly
- Avoid the use of any chemical substances in the bilge

**ATTENTION:** If you choose not to use a float switch you should supervise constantly the operation of the bilge pump and deactivate it when all the water is pumped, in order to avoid overheating it. Overheating the pump may seriously affect its operation and result in permanent damage.

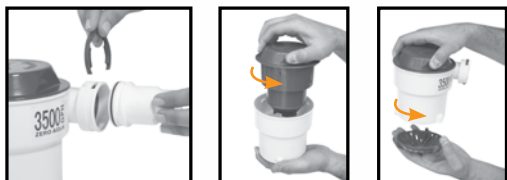


BEST VALUE

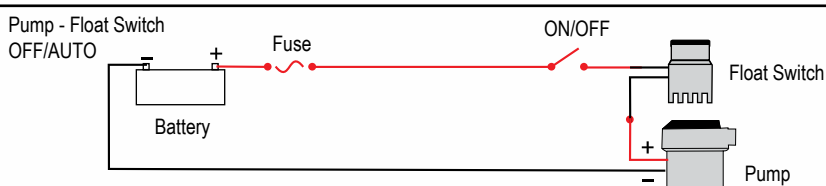
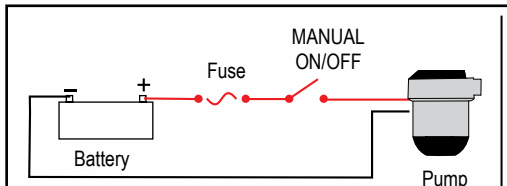


### Bilge Pump "Zero Aqua Plus"

The 'Zero Aqua Plus' bilge pumps have been designed for heavy-duty use. Their rugged construction of ABS is characteristic of the high quality standards set by Lalizas. They are very easy to mount and clean, since the body can be removed, allowing full access to the strainer and the impeller. The "Zero Aqua Plus" bilge pumps are available in four (4) sizes from 600 to 3500GPH. All models, apart from 31330 are supplied with non-return valves, while the 1500 & 3500GPH model come both in 12V and 24V. Additionally, Lalizas has a wide range of non-return valves in various angles which can be combined with the bilge pumps.

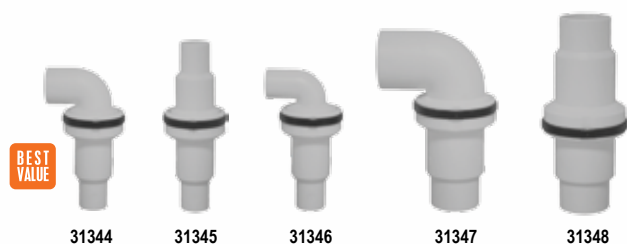


Code	31330	31331	31332	31333	31340	31341
Gallons (GPH)	600	1000	1500	1500	3500	3500
Volts (DC)	12	12	12	24	12	24
A: Diameter (mm)	68	68	124	124	124	124
B: Height (mm)	102	102	160	160	160	160
Hose Outlet	3/4"	3/4" - 1"	3/4" - 1"	3/4" - 1"	1 1/2" - 1 1/4"	1 1/2" - 1 1/4"
Non-Return Valves	Outlet	Angle	Non-Return Valves supplied			
	1"	90°	X	•	X	X
	3/4" - 1"	Inline	X	•	X	X
	3/4"	90°	X	•	X	X
	1 1/2"	90°	X	•	•	•
	1 1/2" - 1 1/4"	Inline	X	•	•	•



## Non-return Valves

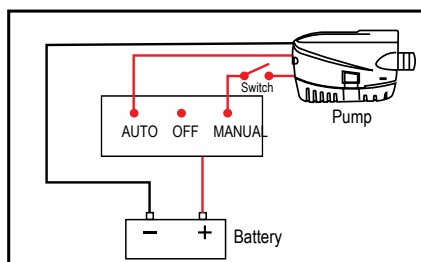
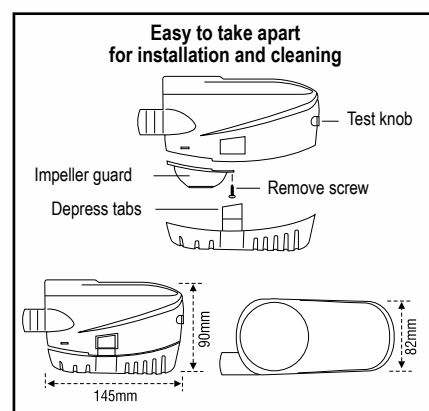
Lalizas non-return valves are ideal for use with all the "Zero Aqua Plus" bilge pump series. They feature a quick release clip, allowing you to service them easily and quickly. They are available as in-line units or with a 90° curve. Finally, their outlet connection allow the use of either a 3/4 to 1"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



Code	31344	31345	31346	31347	31348
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 1/4"	1 1/2" - 1 1/4"
Angle	90°	Inline	90°	90°	Inline

## Submersible Automatic Bilge Pump 600GPH

The Lalizas Submersible Automatic Bilge Pump combines quality and ease of use in one device. It has a built-in automatic float switch which activates the pump when the bilge water rises, thereby allowing the pump to operate even when the boat is unattended. The pumping capacity is 600GPH through a 19mm (3/4") hose. The pump also features a manual test button that allows you to test the level switch, as well as, the pump. Additionally, it has a snap on strainer base making installation and maintenance simple. The pump housing is made of durable ABS plastic. 12V DC. Fuse 10A.

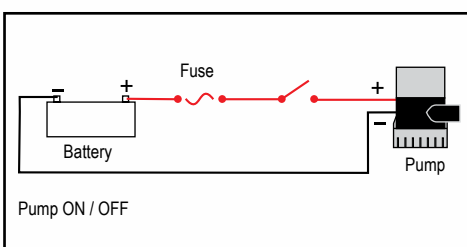
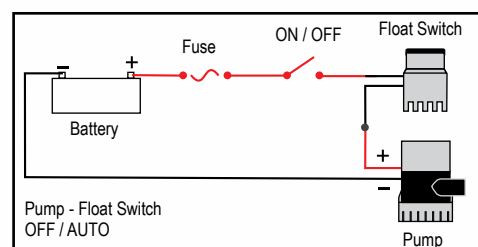
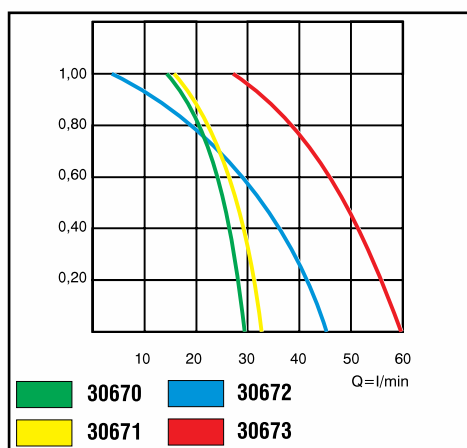
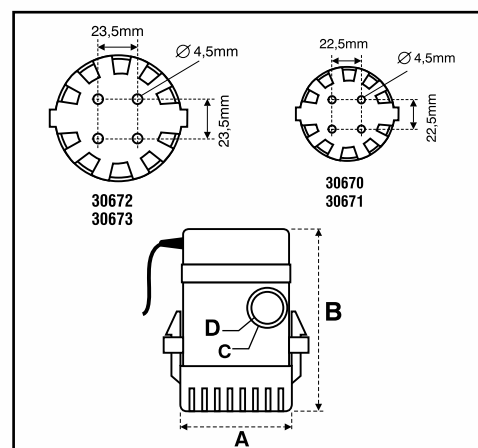


Code.....31150



## Submersible Bilge Pumps

The 12V submersible bilge pumps are made of shock resistant ABS plastic and powered by the world's best compact motor. The snap-on strainer base makes installation a simple procedure. These reliable pumps are available in four sizes from 500GPH to 1000GPH.



Code	30670	30671	30672	30673
GPH	500	600	700	1000
A(mm)	60	60	70	70
B(mm)	90	90	95	95
C(mm)	20	20	25	30
D(mm)	15	15	20	25



## Float Switches

### ADVISOR

#### Use

Float switches are used to detect the presence of excess water in the bilge of a boat, and activate the pump in order to remove it. It is suggested that you use the combination of pump and switch, as it then excludes the possibility of forgetting to switch off the pump, and will also prevent overloads.

#### Operation

**Mechanical Float Switches:** They have a built-in float switch which activates the pump when forced upwards by the rising water level. When the water level drops, the float lowers, deactivating the pump. They operate with bilge pumps rated up to 10A.

**Electronic Environmental Level Switch E.E.L.S.:** The E.E.L.S. has been designed to sense the conductivity of liquids and distinguish the presence of hydrocarbons in bilge water. Since hydrocarbons are conductors of lower intensity than water, the E.E.L.S. will switch off the pump and not allow the film of hydrocarbons, that may be present in the bilge, to be pumped and discharged into the sea, thereby preventing pollution. The E.E.L.S. Level switch operates with bilge pumps rated up to 20A.

Lalizas Level and Float switches are compact, need limited maintenance and are designed for long service life.

#### Instructions of Use

Float switches should be installed vertically in the bilge or in any area where excess water is most likely to be collected. To safeguard against malfunction it is important to ensure correct connection of the Float/Level switch to the bilge pump and to the boat's main circuit. Both the types of float switches should be connected in series to the main circuit. After connection and taking care to follow the instructions, all you need to do is regularly check that the device operates smoothly.

#### Maintenance / Replacement

Although these products need limited maintenance, Lalizas suggests that you:

- Place a fuse with an amperage relative to the pump in series with the main power supply circuit
- Check regularly that everything operates correctly
- Avoid the use of any chemical substances in the bilge

**ATTENTION:** Automatic Float switches are designed to help maintain smoother operating boat drainage system. They are not designed to control operation or replace human surveillance.

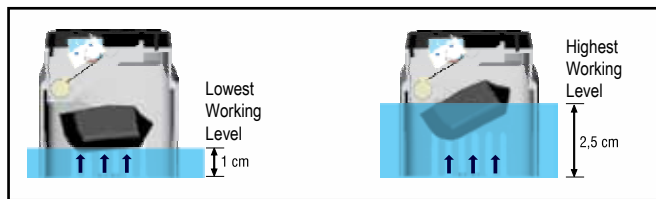
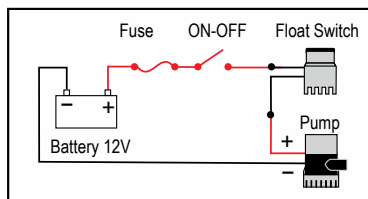
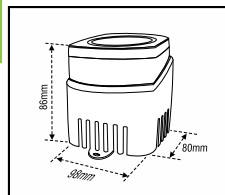
### Float Switch FS-40

The Lalizas Float Switch FS-40 has been designed to be used with bilge pumps rated up to 10A. The FS-40 activates or deactivates the bilge pump, depending on the water level. Namely, when the water level rises, it forces the float upwards, which switches on the bilge pump. By installing the float switch, there is no need to monitor the water level and switch the pump on or off manually. A very important feature is that you can test the smooth operation of the switch at any time, just by using the test button. The Float Switch FS-40 is made of from tough ABS plastic for long life.

Voltage: 12V - 24V DC Amperage: 10A



Code.....31170



### Environmental Electronic Level Switch E.E.L.S.

The Lalizas Environmental electronic level switch is the latest in innovation, as it operates with an electronic sensor, instead of the air pressure or any moving parts. It has been designed to sense the water level with great precision and accuracy, thus offering you the best possible result. One of the most important advantages of the Lalizas E.E.L.S. is that it is environmentally friendly. Lalizas designed this switch to operate only when it senses water. If there are quantities of hydrocarbons, such as oil, it switches the bilge pump off, thus preventing any pollution. Mounted vertically to the hull, the Lalizas E.E.L.S. is connected inline with bilge pump(s) even of higher potency. Also its compact design allows a far greater freedom of movement. On the other hand, in inboard vessels the minimum space it occupies, leaves more loading space and the hatch space intact. Other features of note are the insulated electrical contacts, casing from durable Nylon and ABS plastic, 100% impermeability to water.

#### Technical characteristics

The Lalizas Electronic Level Switch can be used with any bilge pump up to 20A. The Electronic Level Switch has the following electrical characteristics:

**Voltage:** 12V DC

**Connection to the main circuit:** Inline

**Maximum Amperage:** 20A.

#### How to connect the Lalizas Electronic Level Switch

Connect a switch for the activation of the automatic operation of the bilge pump inline to the positive pole of the battery. You should also connect inline a fuse, according to the amperage of the bilge pump and up to 20A max (See manufacturer's instructions). The wires of the Electronic Level Switch which are connected to the poles of the battery are RED (+) and BLACK (-). The other pair of wires, BLACK (-) and BLUE (+) are connected to the negative and positive pole of the bilge pump respectively.

#### ATTENTION!

It is necessary that you follow the polarity when making the connections, otherwise you run the risk of producing a short circuit leading to damage your Electronic Level Switch. Please check the polarity before activating your new Float Switch.

#### WIRING

Black: Negative (-)

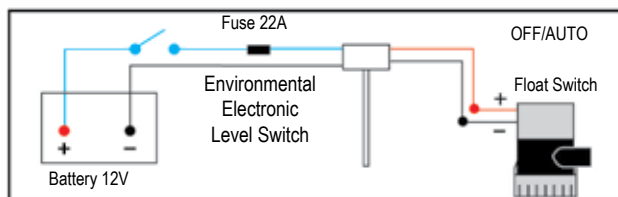
Red - Blue: Positive (+)

Black - Red: Connection to the battery

Black - Blue: Connection to the Bilge Pump



Code.....31010

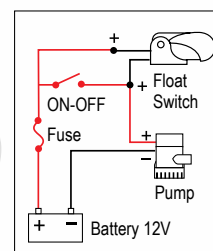


### Automatic float switch, DC 12V/24V, 15A max

This float switch is designed for the automatic control of electrically driven bilge pumps. Designed with a reliable rolling-ball and switch system that prevents rapid on/off cycling found on some switches and is safer than mercury switches. When water lifts the chamber buoy up to 6cm, the switch automatically turns the bilge pump on until the bilge is emptied. This automatic float switch has a plastic housing.

**BEST VALUE**

Code..... 91549



**Power:** 12V/ 24V, **Fuse:** 15A max, **Material:** ABS plastic, **Dimensions:** L 11cm W 7cm H 6.5cm

## Bilge Pump Switch

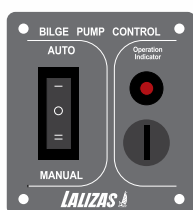
### Pump Switch

Lalizas Pump Switch allows you to operate your boat's bilge pump automatically, manually or even switch it off. It is water resistant, with an indication light, so that you know when the device is operating. The Lalizas Pump switch is made of Inox 316 for durability and lifetime protection against corrosion. It is available in charcoal colour.

**2 YEARS GUARANTEE**

**INOX 316**

**BEST VALUE**



#### Features:

- Auto-Off-Manual switch
- For use only in 12/24V. Maximum load per switch 15A
- Coated with electrostatic paint
- Completely wired and ready to install
- Two years Warranty

Code	Function	Dimensions (cm)		Colour	Volts DC
		Height	Width		
31301	Auto – Off – Manual	7	6,5	Charcoal	12-24



Plumbing & Ventilation

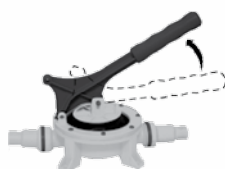
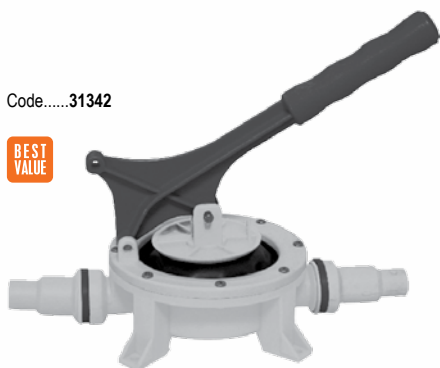
## Manual Bilge Pumps

### Diaphragm Bilge Hand Pump

Ideal for use where battery power is not available or as a backup to electric pumps, the Lalizas diaphragm bilge hand pump is easy to use and has a capacity of 6,5 gallons at 60 strokes. It features a built-in non-return valve, which can be easily removed with the quick release clip and two-position handle for convenient use, depending on your requirements. Additionally, its outlet connection allows the use of either a 3/4" or a 1" hose.

Code.....31342

**BEST VALUE**



A. Horizontal Position



B. Vertical Position



**BEST VALUE**

#### Service Kit for Hand bilge pump 31342

(includes diaphragm, flapper valves, gasket)

Code.....31399

## General Purpose Pumps

### Diaphragm Water Pump



**NEW**

Code	Volt	Lt/min	Pressure
90274	12	9,5	2,4 bar
90275	24	12	



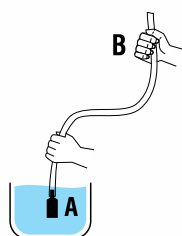
## General Purpose Pumps

BEST  
VALUE

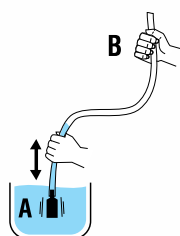


Suction hand pump, length 160cm

Code	70002	70003
Diameter (mm)	19	25

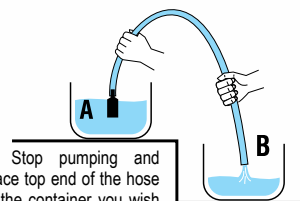


1. Place the bottom end A of the hosepipe into the tank with the liquid that you wish to pump out and hold the top end B of the hosepipe upright



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

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



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

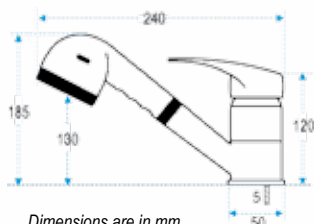
**SUITABLE FOR PETROL  
- DIESEL - WATER**

## Faucets

Plumbing & Ventilation

Faucet, with adjustable spray & shower tube 150cm "Rhea"

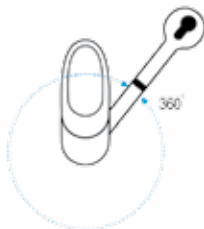
Code.....99960



Dimensions are in mm

Chrome plated

SEAL  
TAPS

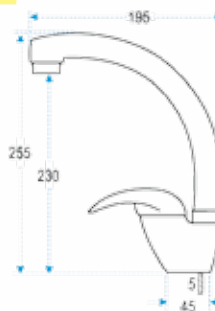


Faucet "Nefeli"

Code.....99959

Chrome plated

SEAL  
TAPS



Dimensions are in mm

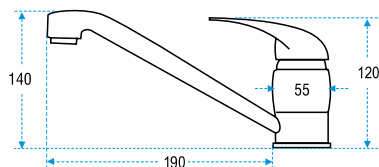


Faucet "Aegle"

Code.....99999

Chrome plated

SEAL  
TAPS



Dimensions are in mm

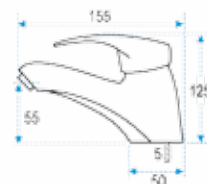


Faucet "Artemis"

Code.....99962

Chrome plated

SEAL  
TAPS



Dimensions are in mm

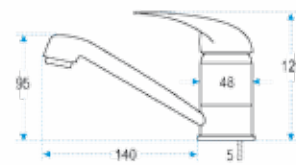


Faucet "Athina"

Code.....99961

Chrome plated

SEAL  
TAPS



Dimensions are in mm

## Showers & Accessories



Shower with tap, white

Code.....95725



Shower head with push off trigger, 1/2" thread, white

Code.....97632



Spare shower head with push OFF/CONTINUOUS trigger, 1/2" thread, white

Code.....90506

## Showers & Accessories



**PVC Reinforced tube 300cm, with 1/2" female X 1/2" female**

Code.....90492

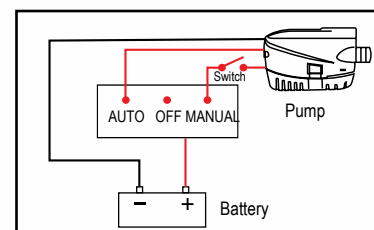


**Shower with trigger**

Code	Hose Length (m)	Colour
91537	2.5	White
91539	5	White

### Shower Sump System LSU 600, 12V

Designed especially for use on boats with built-in sink, shower or tub, the LSU 600 will pump all water out of the drain and into the tank. It is compact and can be mounted either against the floor or against the walls, in which case the two legs can be cut off. It has a built-in automatic bilge pump that will start operating as soon as the float switch senses water. Additionally, it features a filter, which can be easily serviced by removing the top transparent cover and a non-return valve at the outlet hose. The LSU 600 case is made of resistant plastic and the lid from acrylic. Its power consumption is limited to 1,5A at 12V. The LSU 600 System has 3 inlet hoses (2 of 19,1mm (3/4") and 1 of 25,4mm (1")) and 1 outlet hose with non-return valve for hose of 19,1 (3/4") and 25,4mm (1") in diameter.



## Watertanks

### ADVISOR

#### Installation of the inlet and outlet fittings

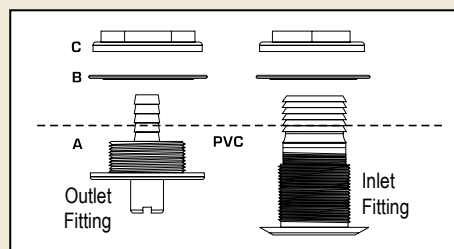
Inlet and outlet fittings are supplied loose, so that you can install in any position you prefer. However, you should always keep the outlet fitting (small) as low as possible. To install them, follow the steps below:

1. Mark the holes to be cut out using the inside perimeter of ring (B)
2. Cut the marked holes with scissors, being careful not to cut the bottom side of the tank
3. Insert the fittings in the cut-out holes, by folding the surrounding fabric slightly. Part (A) should be inside and ring (B) outside the tank wall
4. Secure the fittings by fastening tightly the nut (C)

#### Cleaning and Maintenance

To maintain the tank in good condition follow the instructions below before winter:

- Fill with water and some white vinegar to remove any algae that may have been formed
- Rinse with fresh water and leave to dry completely
- Store in a dry place



### Flexible Water Tanks, grey

Flexible water tanks solve the problem of storing water on your boat. Made of non-toxic PVC, they are suitable even for drinking water. The tanks are supplied with a valve, which can be used for ventilation and with two extra fittings (cut through hole: 48mm). They are easy to store and use. Lalizas flexible water tanks are available in rectangular and triangular models.

#### Triangular

Code	31325	31326
Dimensions (cm)	86x21x93	108x21x108
Capacity (Lt)	55	100

#### Rectangular

Code	31321	31322	31323	31324	31329
Dimensions (cm)	74x60	74x84	74x100	74x125	74x150
Capacity (Lt)	55	75	100	120	150



**Outlet Fitting**  
diam.: 48mm for  
5/8" hose, black

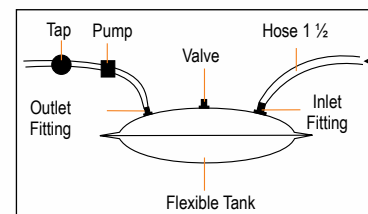


Code..... 31352

**Inlet Fitting**  
diam.: 48mm for  
1 1/2" hose, black



Code..... 31351



**BEST VALUE**



**Valve for Flexible Water Tanks (31321-6, 31329)**

Code..... 02022

### Water Shower Tank , flexible

- It is made of PVC and can heat 20lt of water
- It is lightweight & small, saving you a lot of space
- It is environmental friendly, since the construction material doesn't contain any toxin



Code	99976
Capacity (Lt)	20



## Marine Toilets & Accessories



BEST VALUE

Covers set for LT Toilets

Code	For Toilets		Material
11519	LT-0	LT-0E	MDF
11452	LT-1	LT-1E	PP



BEST VALUE

Toilet bowl for LT toilets, ceramic, white

Code	For Toilets		Weight (Kg)
11896	LT-0	LT-0E	6
11897	LT-1	LT-1E	7,75



BEST VALUE

Repair kit for LT electric toilets

Code	For Toilets		Voltage (V)
11879	11875	11877	24
11878	11874	11876	12

### Electric Marine Toilet LT-0E & LT-1E

Electric toilets LT-1E and LT-0E, can be supplied as either 12V or 24V and have been designed to make your life on-board easier, because of their self-priming double action pumps. By just pushing the on/off switch, which can be installed anywhere in the toilet cabin, you activate the pump and while fresh water rinses in the bowl, the macerator grinds up and pumps out the waste.

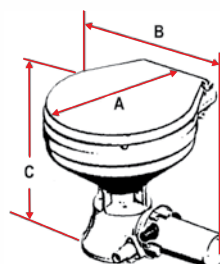
The LT electric toilets can be easily installed, either above or below the waterline. Please note that when they are installed below the waterline, it is necessary to use an antisiphon loop for preventing water inflow into the interior. Furthermore, the toilets are supplied, either with a compact (LT-0E) or a regular bowl (LT-1E). Additionally, the LT toilets have been designed with a quick fit locking mechanism, which allows you to easily remove the pump's base, in order to clean the exposed waste surfaces. All parts are made of corrosion resistant materials.

Plumbing & Ventilation

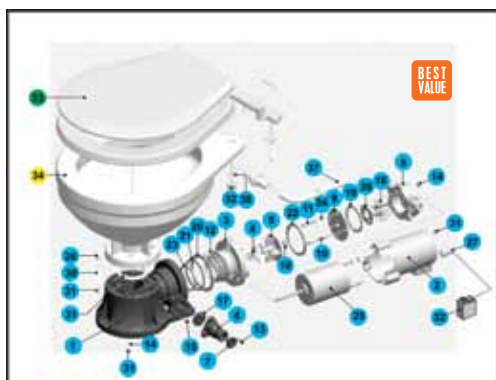


BEST VALUE

Code	Description	Voltage (V)	Dimensions (mm)		
			A	B	C
11874	LT - 0E	12	400	435	370
11875		24			
11876	LT - 1E	12	480	460	400
11877		24			



You can install the pump in four different positions.



BEST VALUE

### Kits Available for Electric Marine Toilets

Code	Description	Key
11452	Cover Set for manual toilet LT-1E	33
11519	Cover Set for manual toilet LT-0E	33
11896	Toilet bowl for the toilets LT-0E, ceramic, white	34
11897	Toilet bowl for the toilets LT-1E, ceramic, white	34
11879	Repair kit for the electric toilets 24V, LT-0E & LT-1E	1-32
11878	Repair kit for the electric toilets 12V, LT-0E & LT-1E	1-32

## Do it yourself

You can always assembly the Lalizas electric marine toilets, LT-0E & LT-1E, by using the relevant spare parts included in the following table. For instance, if you want to assembly the electric toilet LT-0E (11874), then you are going to need the 11896, 11519 & 11878 spare parts, which are also highlighted in the above picture.

Code	Description	Voltage (V)	Dimensions (mm)			Key
			A	B	C	
11874	LT - 0E	12	400	435	370	11896 + 11519 + 11878
11875		24				11896 + 11519 + 11879
11876	LT - 1E	12	480	460	400	11897 + 11452 + 11878
11877		24				11897 + 11452 + 11879

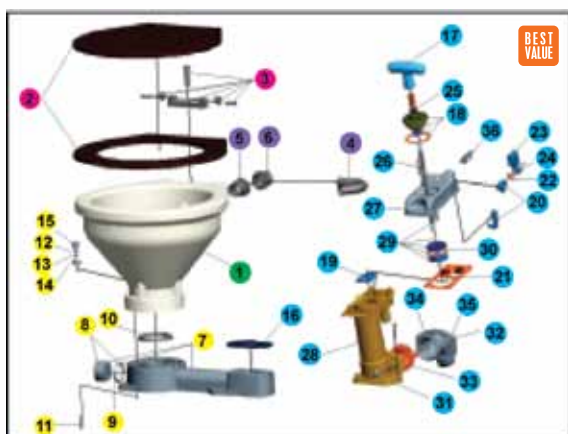
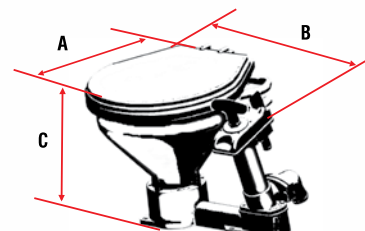
BEST  
VALUE



### Marine Manual Toilets LT-0 & LT-1

The LT-0 and LT-1 toilets are especially designed for long term use. They are available in two sizes compact (LT-0) and regular (LT-1). Both can easily be installed above or below the waterline. If they are installed below the waterline, it is necessary to use an anti-siphon loop to prevent water inflow into the interior. Furthermore, these toilets can be installed with the pump either at the right or the left side of the porcelain bowl. The valves have been designed for a longer and more reliable service life. The drain plug has been designed with a quick fit locking mechanism for easier and more effective drainage of the toilets. All the parts are made of corrosion resistant materials.

Code	Description	Dimensions (mm)		
		A	B	C
11510	LT-0	400	430	330
11412	LT-1	450	470	360



### Kits Available for Marine Manual Toilets

Code	Description	Key
11451	Kit E, Base to Bowl Mounting Kit	7, 8, 9, 10, 11, 12, 13, 14, 15
11452	Cover Set for manual toilet LT-1	2, 3
11519	Cover Set for manual toilet LT-0	2, 3
11453	Kit G, Intake Seal for manual toilet LT-1	4, 5, 6
11447	Kit A, Major Service Kit for manual toilet LT-1	16, 18, 21, 22, 25, 30, 33
11535	Assembled Spare Pump for Manual Toilet LT-0 and LT-1	16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36
11896	Toilet bowl for the toilets LT-0, ceramic, white	1
11897	Toilet bowl for the toilets LT-1, ceramic, white	1

## Do it yourself

You can always assembly the Lalizas marine manual toilets, LT-0 & LT-1, by using the relevant spare parts included in the following table.  
For instance, if you want to assembly the manual toilet LT-0 (11510), then you are going to need the 11451, 11519, 11453, 11535 & 11897 spare parts, which are also highlighted in the above picture.

Code	Description	Dimensions (mm)			Key
		A	B	C	
11510	LT-0	400	430	330	11451 + 11519 + 11453 + 11535 + 11897
11412	LT-1	450	470	360	11451 + 11452 + 11453 + 11535 + 11896

### ADVISOR

In order to both prolong the life of your portable toilet and maintain its full function we recommend you the following:

- Avoid exposing the toilet to high temperatures (over 60°C)
- Make sure that there is always enough water in the fresh water holding tank before use
- Clean the waste holding tank regularly. Ideally, it should be cleaned every time the fresh water tank is empty.
- You can use any tank detergent, strictly according to its instructions

### Maintenance

- Lubricate the slide valve periodically
- The slide valve may be removed for service or cleaning, by just unscrewing counter clockwise
- Clean the exterior parts of the toilet with a mild, non-abrasive cleaner

### Portable Toilet

This portable toilet is suitable for interior and exterior use. It is self-contained and it doesn't require any external water or power connections. It consists of two separate tanks; a fresh water holding tank of 12lt capacity and a waste holding tank of 10lt. However, you can change the waste tank's capacity to 20lt, by replacing the 10lt waste tank with the 20lt waste tank (11869). The toilet is made of high-density plastic with matt finish for greater resistance to scratches.

Code....11867





## Marine Toilets & Accessories

Code.....11873



**Spare slide valve for the spare tanks 11868 & 11869**

Code.....11872



**Spare cap for the waste holding tank of the portable toilet 11867**

Code.....11871



**Spare cap for the fresh water tank of the portable toilet 11867**



**Base for the portable toilet 11867, Height 125mm**

Code.....11870



**Spare waste holding tank, for the portable toilet 11867**

Code	11868	11869
Capacity (Lt)	10	20



The fresh water tank provides up to 50 flushes



Heavy duty, corrosion resistant side latches lock the tanks together



The double sealed drain valve protects against leakages and odours



Both waste and fresh water tanks feature one-piece construction; no seams involved.



The detached waste holding tank (10lt or 20lt) can be easily emptied, without using any tools

## Anti-Vent Loops

### Anti-vent loop connection, nylon

An anti-vent loop connection is required when the toilet installation is below the waterline. This prevents water inflow into the interior. The Lalizas anti-vent loop connection is made of ABS and is available in two different sizes.



BEST VALUE

Code	Ext. Diameter (cm)
90184	1,9
90185	3,8

## Toilet Sanitizing & Cleaning

### Disinfectant Sanitizing Release Unit DSRU

The DSRU is a unit that keeps your toilet bowl clean and free from limescale. The unit should be attached to the pipe, where water flows from the flush pump to the toilet. As water is pumped towards the bowl it sucks a quantity of the disinfectant inhibiting limescale, it also colours the water (green or blue) and deodorizes. Each unit is supplied with two tablets, 'Marine' (blue) and 'Pine' (green) scent respectively. The tablets are also sold separately, but the DSRU is designed to fit any tablet in the market smaller than 30x30x40mm.

The DSRU is very easy to install, requires minimum maintenance and has a discreet and compact design.



Code... 11865

BEST VALUE



BEST VALUE

**Spare Disinfectant Tablets for 'DSRU' Marine, & Pine (2 Tablets)**

Code..... 11866

## Hose Clamps

### Heavy-duty Inox 316 hose clamps

Lalizas hose clamps are designed for heavy-duty secure hose connections, such as exhaust hoses. They are made of Stainless Steel 316 for the ultimate resistance to corrosion. Each Hose features 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 ideal hose for your requirements.

	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

spectrumlabs



MARE

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							

## Hose clamps Inox 304 & 316

Lalizas hose clamps are especially designed for marine use, with band, housing and screw all made of Stainless Steel for extra resistance to corrosion. They feature fixed housing and bevelled edges, - the complete smoothness of the internal surface will ensure protection 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

## Thru-Hull Plastic Fittings

### Expanding drain plugs

The Lalizas series of expanding drain plugs includes 4 drain plugs of different diameter for different drain sizes. They are made of Nylon, supplied in black and each of the drain plugs can be applied to specific drains in the Lalizas range.



Code	Diam. (mm)	Suitable for Drains
95790	22	95793
95786	25	10250, 10251, 10254 & 10255
95787	35	10259
95785	40	10252, 10253, 10256 & 10257



**Outlet Fitting**  
diam.: 48mm for  
5/8" hose, black

Code..... 31352



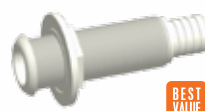
**Inlet Fitting**  
diam.: 48mm for  
1 1/2" hose, black

Code..... 31351



**Oval Drain Socket with**  
O-ring Ø 26.3mm

Code.....95781 95782  
Colour..... White Black



**Long drain**  
Diam. 22mm, L 125mm, white

Code...95793



**Non return valve for drain,**  
Diam. 22mm

Code...70209

### Through Hull Drain 90 degrees for 1" and 1 1/4" Hose

white



Code Description  
10254 With adjustable length  
10255 With steady face

chrome plated with  
plastic nut



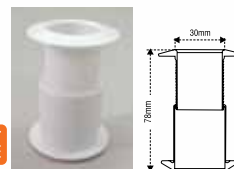
Code Description  
70601 With adjustable length  
70602 With steady face

### Adjustable drain 20-40mm, white



Code.....10258

### Adjustable drain 40-80mm, white



Code.....10259

### Through Hull Drain for 1 1/4" Hose, white



Code.....10252

### Through Hull Drain for 1 1/2" Hose

white



Code.....10253

chrome plated with  
plastic nut



Code.....70600

### Through hull drain for 3/4" hose

White



Code.....10250

chrome plated with  
plastic nut

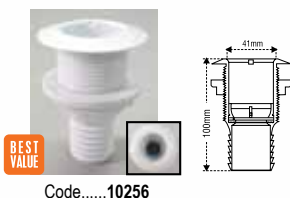


Code.....70597



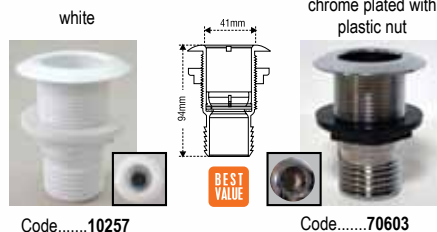
## Thru-Hull Plastic Fittings

### Outlet with reverse flow protection valve for 1 1/4" hose, white



Code.....10256

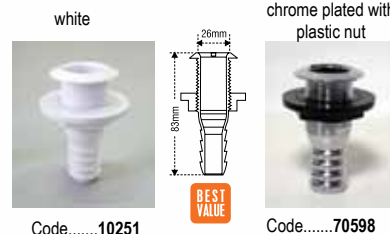
### Outlet with reverse flow protection valve for 1 1/2" hose



Code.....10257

Code.....70603

### Through Hull Drain for 1" Hose



Code.....10251

Code.....70598

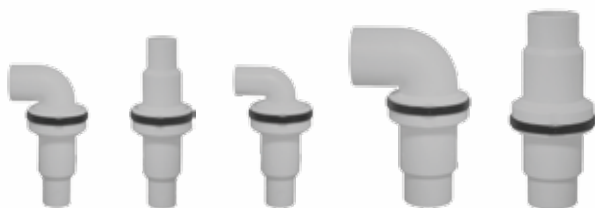
## Lever, Ball & Safety Valves

### Non-return Valves

Lalizas 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.

Plumbing & Ventilation

BEST VALUE

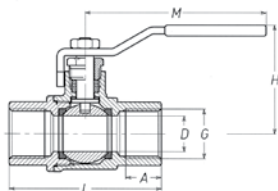


Code	31344	31345	31346	31347	31348
Hose Outlet	1"	3/4" - 1"	3/4"	1 1/2"	1 1/2" - 1 1/4"
Hose Inlet	3/4" - 1"	3/4" - 1"	3/4" - 1"	1 1/2" - 1 1/4"	1 1/2" - 1 1/4"
Angle	90°	Inline	90°	90°	Inline



SeaWare

Lever operated ball valve F-F, SeaWare, nickel plated brass, for gas



Code	Weight (gr)	M	H	L	D	A	G
96569	122	71	45	41	10	10,5	1/4"
96570	115	71	45	41	10	10,5	3/8"
96571	148	90	50	47,5	14	10,5	1/2"
96572	220	92	53	53,5	18	12	3/4"
96573	310	114	57	62	21	12,5	1"



Lever operated ball valve F-F, SeaWare, nickel plated brass, for water

Code	Weight (gr)	M	H	L	D	A	G
70150	122	71	45	41	10	10,5	1/4"
70151	115	71	45	41	10	10,5	3/8"
70152	148	90	50	47,5	14	10,5	1/2"
70153	220	92	53	53,5	18	12	3/4"
70154	310	114	57	62	21	12,5	1"
70155	520	136	70	72	29	13,5	1 1/4"
70156	750	150	76	78,5	32	16	1 1/2"



Non return valve for drain, Diam. 22mm  
Code...70209



Ball valves, PVC

Code	Diameter
90373	1/2"
90374	3/4"
90375	1"
70979	1 1/4"
70980	1 1/2"

## Ventilators

### Ventilators

Made of strong ABS ensuring a long and durable life. There are two sizes available, 115mm x 127,5mm and 90mm x 255mm respectively. The integrated design produces easy screw mounting. Lalizas ventilators are available in four colours (white, black, grey and chrome)



Code	01685	01686	01700	01701	01702	01703	01704	01705
Colour	White	White	Black	Black	Grey	Grey	Chrome	Chrome
Dimensions (cm)	11,5X12,7	9X25,5	11,5X12,7	9X25,5	11,5X12,7	9X25,5	11,5X12,7	9X25,5

## Ventilators "EVO"

"EVO" ventilators achieve natural air circulation in the interior of your boat. They improve air quality, reduce humidity and eliminate carbon dioxide concentration indoors. A healthy atmosphere insures crew comfort and prolongs electrical device's life. "EVO" ventilators 70231-70233 and 70235-70237 are made of highly resistant plastic and 70234 and 70238 are made of ABS. They come in both rectangular and square shapes and they can be combined with connector 70239 for better performance. You will find "EVO" ventilators in white, black, grey and chrome colour.



BEST VALUE

Code	Dimensions (mm)	Material	Colour
70231	183x91,5x16,5	Highly Resistant Plastic	White
70232			Black
70233			Grey
70234		ABS	Chrome



BEST VALUE

Code	Dimensions (mm)	Material	Colour
70235	91.5x91.5x16.5	Highly Resistant Plastic	White
70236			Black
70237			Grey
70238		ABS	Chrome



BEST VALUE

Code.....70239

## Cabin Vents

Cabin vents offer natural ventilation indoors and prevent water leaks from waves and rain. They open and close manually. When open, air is circulated and water stays out of your boat. Cabin vents are made of plastic. The vent with code number 98621 is equipped with an inox cover.



BEST VALUE



### Impermeability

Water pushes the special balls inside the vent to shut ventilation holes and ensure absolute impermeability

Code	Diameter (cm)	Cut area (cm)	Cover
70158	20	9,5	White
98621			Inox



Plumbing & Ventilation



BEST VALUE

## Solar Vents

Solar vents provide mechanical ventilation utilising solar energy. The solar panel activates the fan, which allows the air to flow in. These autonomous vents detect water flows from waves and rain, while refreshing the atmosphere even on those calm windless days. Special balls inside the vents are pushed by the water to shut ventilation holes and ensure impermeability. They have two functions; one function activates solar function and the other modifies the fan's function from clockwise to counter clockwise. Solar vents are made of white plastic, while the 98681 vent is equipped with an inox cover.

Code	Diameter	Cut area	Cover
98680	20cm	9,5cm	White
98681			Inox



### Impermeability

Water pushes the special balls inside the vent to shut ventilation holes and ensure absolute impermeability



### Solar panel

Operates with Solar Energy. Activation with on/off switches



BEST VALUE

## "24 hours" Vent

"24 hours" vent is completely automatic as it works with solar energy in sunny days and batteries, during the night. Forced ventilation is controlled through a dynamic impeller, which turns clockwise to inflow and counter clockwise to exhaust air. The user adjusts the vent on the corresponding function through on/off switches. Active air movement absorbs moisture and refreshes the interior of your boat completely. Simultaneously, when water enters the vent special balls inside block its entry to achieve absolute impermeability. "24 hour" vents are made of white plastic. The 99689 vent is equipped with inox cover.

Code	Diameter	Cut area	Cover
99688	20cm	9,5cm	White
99689			Inox



### Impermeability

Water pushes the special balls inside the vent to shut ventilation holes and ensure absolute impermeability



### Solar panel

Operates with Solar Energy. Activation with on/off switches.

**Battery**  
Rechargeable battery, charged automatically by the solar panel. Activation with on/off switches.



## PCB

Three functions PCB to activate solar function, activate battery function and modify fan function from clockwise to counter clockwise turn.

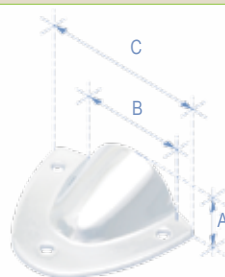


## Ventilators



**Louve Ventilator, Inox 316**

Code	Length (mm)	Width (mm)	Thickness (mm)
99063	127	115	0,8
99064	230		
99065	228	127	



**Vent, Inox 316**

Code	92790	92789
A(mm)	11	16
B(mm)	27	50
C(mm)	42,2	62,50

\*Surface E.P.= Electro polished



**Ventilator, Inox 316**

Code	Diameter (mm)	Thickness (mm)
99808	125	0,8



**Louver Ventilator, Inox 316**

Code	Diameter (mm)	Thickness (mm)
99810	102	0,8
99809	126	

## Dehumidifier

### ADVISOR

### What is a dehumidifier

A dehumidifier is a unit that circulates air turning excess humidity into water.

#### Use

1. **Standard function:** Plug in the dehumidifier. Turn the control to set the level of humidity. The extracted water will be collected into the 2.5lt tank. When the water tank is full, the "full-tank light indicator" will turn on and the unit will automatically stop operating. Empty the water from the tank and the dehumidifier will start working again.

2. **Continuous drainage function:** Connect a hose to the drainage outlet at the backside of the dehumidifier, in order to override the tank. The hose will lead to the waste tank. Plug in the dehumidifier; set the level of humidity and the unit will start working.

Once the humidity in the cabin reaches the pre-selected humidity level, the unit will switch off automatically, in order to avoid dryness. The dehumidifier will keep checking the humidity level and as soon as the pre-selected humidity level is exceeded, it will automatically start operating again.

The dehumidifying capacity varies according to different temperatures and relative humidity levels. As the relative humidity or temperature increases, the dehumidifying capacity also increases. On the other hand, if the temperature and relative humidity decreases, the dehumidifying capacity will also decrease. It can extract up to 10lt per day.

#### Maintenance

The dehumidifier's performance may be reduced if the unit is not maintained properly. For this reason it is highly recommended to:

- Check the filter of the dehumidifier regularly and clean it every 2 weeks
- Avoid using strong detergents to clean the dehumidifier

**Always follow the manual's instructions for the use and maintenance of the dehumidifier.**

### Portable Sea Dehumidifier 10lt

The Sea Dehumidifier is one of the most effective ways to control humidity. It is especially designed for marine use and will help you prevent moisture on the walls, as well as, the unpleasant odour, during the winter months, when the level of humidity is high.

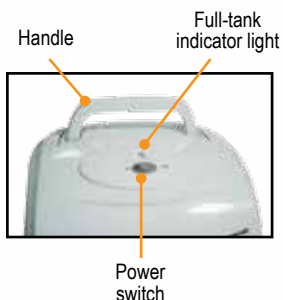
The Sea Dehumidifier is efficient, with a durable compressor and features a handle that allows you to carry it easily. Moreover, it is silent and its low profile and compact design makes it ideal to fit into any space. The Sea Dehumidifier is available in white colour.

#### Specifications

Capacity: 10 lt/day  
Working Space: 15-20m<sup>2</sup>  
Voltage: 220-240V  
Rated Power: 260W  
Working Temperature: 5-35°C  
Noise Level: <46dB(A)  
Water tank capacity: 2.4Lt  
Environment friendly refrigerant R134a  
Water level detection and automatic shut off when tank is full  
Full-tank indicator light  
Washable dust filter  
Automatic defrosting function  
Net Weight: 13kg



Code.....31368



# Deck Hardware

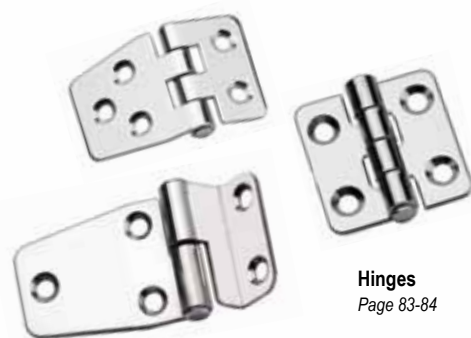


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**Marine Padlocks SeaLock**  
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**Hinges**  
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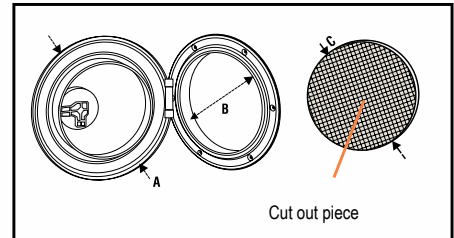
## Deck Plates & Hatches

### Access and Inspection Hatches

Access and Inspection Hatches are ideal for easily reaching and controlling various areas on board, such as fuel lines, electrical cables, gauges, controls, even the engine. They are specially designed with a non-skid surface and can be mounted horizontally, as well as, vertically. All hatches are mounted with hidden screws for discrete appearance. They feature an O-ring seal that makes the hatch watertight, 180° opening door, with one or two handles, where you can install a lock and an O-ring seal that makes the hatch watertight. All hatches are made of tough, UV resistant PP (polypropylene) plastic and are designed for extended use.

### Inspection Hatches

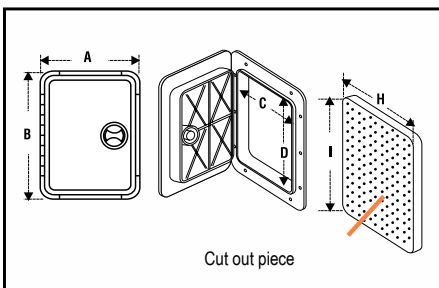
Code	10266	10268	10267	10270	10272	10271
Colour	White	Grey	Beige	White	Grey	Beige
A(mm)		280			334	
B(mm)		201			240	
C(mm)		208			265	



### Deck Hardware

#### Access Hatches

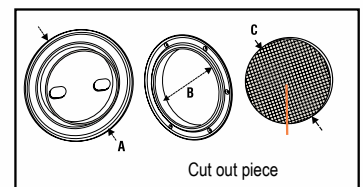
Code	10262	10263	10269	11103	11104	11537	10264	10265	10273	11101	11102	11536
Colour	White	Grey	Beige	White	Grey	Beige	White	Grey	Beige	White	Grey	Beige
A (mm)		276			250			358			460	
B (mm)		376			606			606			511	
C (mm)		193			167			275			380	
D (mm)		293			524			525			436	
H (mm)		200			173			280			386	
I (mm)		300			530			530			442	



### Inspection Hatches with Detachable Cover

The Inspection Hatches with Detachable Cover are made of tough plastic for extra resistance to the sun, water, salt and detergents containing acetone. They have no hinges, so that you can completely remove the cover. Their opening is easy, since the specially designed thread automatically ejects the cover, once you turn it 90° counter clockwise. Furthermore, they feature non-skid surface and hidden screws for smarter appearance.

Code	11107	11108	11539	11109	11110	11540	11111	11112	11541
Colour	White	Grey	Beige	White	Grey	Beige	White	Grey	Beige
A(mm)		154			181			210	
B(mm)		95			122			145	
C(mm)		113,5			141			164	





**Lock for hatches**  
**Ø 12 mm**

Code.....10274

#### Access Hatches with Detachable Cover

Access Hatches with Detachable Covers are made of tough UV resistant PP (polypropylene) plastic material and are ideal both for internal and external use. They feature a completely detachable door for ease of use and handles that can be fitted with a lock. The non-skid surface and the hidden screws are additional important features.



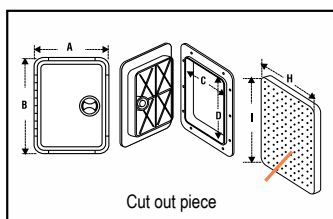
BEST VALUE



**Spare Rubber Seal for access hatches, 2m**

Code.....70143

BEST VALUE



Code	11105	11106	11538
Colour	White	Grey	Beige
A (mm)		316	
B (mm)		366	
C (mm)		226	
D (mm)		276	
H (mm)		250	
I (mm)		300	

### Installing the key lock on the Lalizas hatches

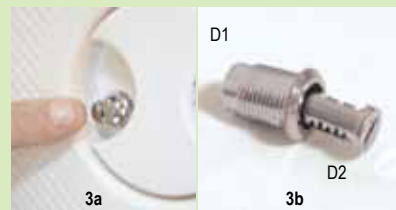
#### Parts



1. Remove the screw (A), the tongue (B) and the fastener (C) from the back of the key lock (D)



2. Drill a 12mm hole in the specified mark at the back of the handle



3. Insert the lock into the tube from the front of the hatch (Pic 3a). Attention: The lock is made of 2 pieces, the tube (D1) and the locking mechanism (D2) (Pic 3b). Since these are not attached together, you should be careful in handling, so that you do not lose the latter during installation



4. Holding the lock in place with one hand, place the fastener from the back side of the hatch, with the other. Fasten till the end



5. Place the tongue from the back side of the hatch



6. Fasten the screw from the back side of the hatch

### Attention



✓ When placing the tongue make sure that the handle is in the lock position and that the tongue is facing towards the centre of the hatch's locking system. These are the correct open (pic 1) and close (pic 2) positions



✗ If you place the tongue any other way it will not lock firmly (see pictures 3 & 4)



## Deck Plates & Hatches

### Storage Cases

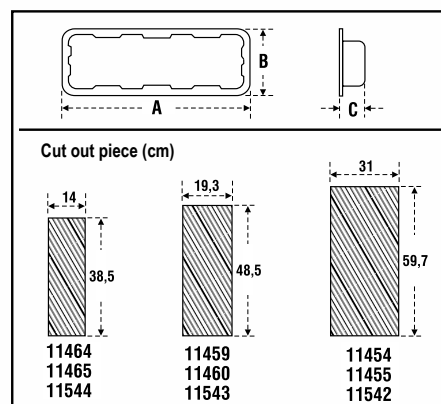
These cases may well assist in solving storage problems. They are available in various sizes and can be fitted with a single or full cover to protect the contents from spray. The cases are made of highly resistant plastic, while the optional covers are made of tinted see-through acrylic (PMMA) for durability and visibility. The Lalizas storage cases are suitable for horizontal and vertical use and they are very easy to mount using silicone or polyurethane construction adhesive. On the rear side of the cases, drilling points are marked, if screws are required.



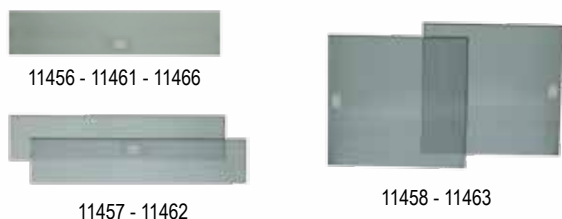
### Storage Cases

	Code	11454	11455	11542	11459	11460	11543	11464	11465	11544
Dimensions (mm)	A. Length		692			545			428	
	B. Width		394			245			184	
	C. Height		132			121			112,5	
	Colour	White	Grey	Beige	White	Grey	Beige	White	Grey	Beige

Storage Cases Covers Not Included



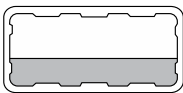
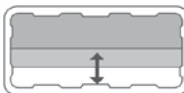

Deck Hardware



### Storage Case Covers

	Code	11456	11457	11458	11461	11462	11463	11466
Dimensions (mm)	Length		596	304	481,5		244	382
	Width		160	304	99		188	68
	Thickness		5			4		
	Colour	Tinted						

### Choosing the right Cover for your Storage Case (Optional)

Storage Cases Codes	Storage Case Covers Codes		
	 Single Fixed	 Vertical Full Sliding	 Horizontal Full Sliding
11454 - 11455 - 11542	11456	11457	11458
11459 - 11460 - 11543	11461	11462	11463
11464 - 11465 - 11544	11466	-	-



### Case with net and plastic frame, 'Store-All', white

This case helps you organise small items with a flexible holding net. It is made of plastic, UV resistant and can be easily installed either with screws or with a sticker (supplied) for inflatable and rigid boats. It is available in 2 sizes: 205x120x20mm and 205x120x10mm

Code	Thickness (mm)	Height (mm)	Width (mm)
11900	20	120	205
11901	10		

## Bugbusters

BEST VALUE



### Hatch Insect Screen

- It is a protection against all kinds of insects while the hatch is open in order to ventilate the cabin  
- The range of hatches available in the market is quite big and that's why the hatch insect screen comes in three different dimensions so as to cover most of the available hatches

Code	Dimensions (mm)			Applicable Hatches With maximum dimensions of
	Length	Width	Height	
70983	540	540	350	540x540mm
70984	650	650	420	650x650mm
70985	750	750	515	750x750mm



BEST VALUE

### Door Insect Screen

- It is made of NET fabric and is supplied with lead rope  
- It is suitable for the door of the boat  
- Available in two different dimensions

Code	Dimensions (cm)		Suitable Boats
	Length	Width	
70986	170	120	Suitable for Catalina (except 30.380.400), Caliber and Endeavour sailboats
70987	180	90	Suitable for most sailboats except for Catalina, Caliber & Endeavour



## Ventilating Sail

BEST VALUE

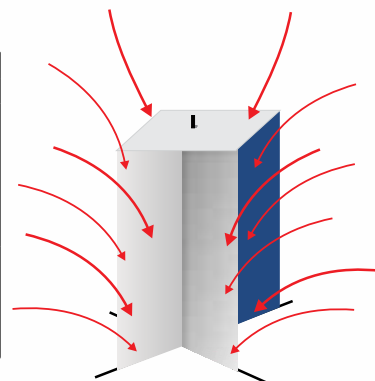
### Hatch Ventilating System 4D Windtrap

- It provides an easy and efficient way to funnel air into the cabin in order to ventilate it  
- It is fastened inside the open hatch and a halyard is used to lift the top.  
- The design helps it to collect the outside wind from every direction (4 drive Wind trap) and flow it through the hatch, inside the cabin  
- It is made of polyester 420D and the fabric is silver-blue  
- Supplied in two different sizes

Code	Dimensions (mm)			Applicable Hatches
	Length	Width	Height	
70982	300	300	800	505x375mm, 555x425mm 330x330mm, 365x365mm 475x475mm, 505x375mm  <b>Lalizas:</b> 11103 (250x606mm), 10264 (358x606mm), 11101 (460x511mm)
70981	550	550	1260	555x555mm, 525x525mm, 525x425mm, 565x565mm, 675x675mm



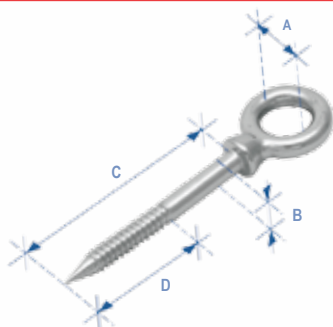
### 4 Drive Windtrap



## Eye Bolts

### Eye woodscrew, Inox 316

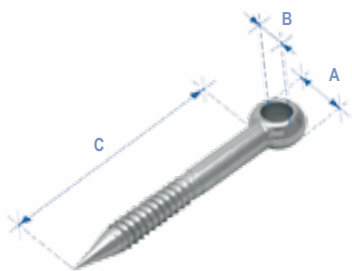
Surface\*: E.P. - Body: Casting



Code	92858	92860	93188	93179	93181	92862	93183	93185	93187
Size (mm)	6x40	6x80	6x100	8x60	8x100	10x80	10x120	12x120	12x160
A (mm)	14			18		16		27	
B (mm)	6			8		10		12	
D (mm)	24	48	60	36	60	60	72	72	96
C (mm)	40	80	100	60	100	80	120	120	160



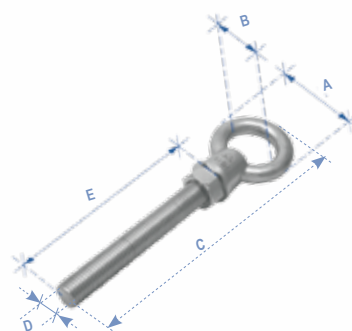
## Eye Bolts



**Eye bolt, (lag screw), Inox 316**

Surface\*: E.P.

Code	96976	97003	97001	92783
Size (mm)	4x45	6x55	8x80	10x80
A (mm)	7,5	14	18	20
B (mm)	4,2	6,2	8,2	10,3
C (mm)	30	40	55	
Body	Forging		Casting	



**Bow eye, Inox 316**

Surface\*: E.P. - Body: Forging - Screw: Casting

Code	91394	91396	91744	96951	91397	91749	91399	91752	91755	96955
Size (mm)	6x40	6x80	6x100	8x38	8x80	10x80	10x100	10x140	12x140	12x180
A (mm)	20,4	20,5		23,8			28,3		32,1	
B (mm)		13,2	13,1	17,1		16,5	16,2	16,5	19,3	19,4
C (mm)	68,6	109,1	128,7	71,1	113,1	116,2	136,8	179,5	180,1	220,2
D (mm)		5,8		7,8			9,8		11,8	11,7
E (mm)	42,2	82,2	101,5	40,6	80	80,3	100,1	141,3	142,3	180,2
T.D.L.*	1000		1100	1300		2600	1700	2600	3400	
R.W.L.*	70		275	325	140	650	230	650	850	

\*Recommended working load "R.W.L." is ¼ of "T.D.L." tested deformation load. (Surface E.P.= Electro polished)

## U-Bolts & Cleats



**Bollard, Inox 316**

Code	70640
Length (mm)	120
Height (mm)	95
Width (mm)	120
Diameter (mm)	60



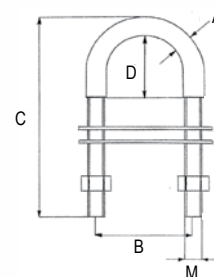
**Cleat, Inox 316**

Code	93286	93287	70641
M	8	10	12
Length (mm)	150	205	300
Height (mm)	46	60	85



**U Bolt, Inox 316, with thread**

Code	91364	91365	91366	91367	91368	91369	91370	91371	91372	91373
Thread	M4	M5	M6	M8				M10		M12
A (mm)	6,4	7,5	7,3	8,7	9,5	9	10	12,5		
C (mm)	60	80	60	80	105	130	90	130	155	
B (mm)	30	35					50	65		
D (mm)	30			40	30	40	35	40	50	



## Rail Hardware



**Inox Tube**

Code	10420	10421
Description	Inox 316	Inox 304
Diameter (mm)	25	25
Thickness (mm)	1	1
Length (m)	3	3



**Round base, 60°, Inox 316,  
base diam. 54mm**

Code	70607	70608
Diam. (mm)	22	25



**Round base, 90°, Inox 316,  
base diam. 54mm**

Code	70616	70615
Diam. (mm)	22	25



**Round base 90°,  
Diam. 25mm**

Code...95882



**Rectangular base  
90°, Diam. 25mm**

Code...95881



**Rectangular base angledholder  
60°, Diam. 25mm**

Code...95880



**T Connection 90°,  
Diam. 25mm,  
Inox 316**

Code...70618



**T Connection 60°,  
Diam. 25mm,  
Inox 316**

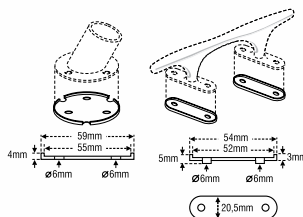
Code...70617

BEST  
VALUE



### Plastic Base for metal Support

Designed to be sandwiched between metal supports, such as rails or canopies etc. and the deck in order to protect it from scratches. It is made of highly resistant plastic and it features three openings that channel the water out of the support, thus preventing rust. The plastic base is available in black or white colours and in two sizes.



Code	11469	11470	11471	11472
Shape				
Colour	White		Black	

## Locks & Hooks



11905



11906

SEA  
LOCK™



### Marine Padlocks SeaLock

- Chrome plated brass body
- Stainless steel shackle & springs for maximum resistance to corrosion from sea water & sun
- Automatic return of the key to extraction position
- Key withdrawal with open or closed shackle
- Available in blisters of 1, 3 and 5 padlocks
- In the set of 3 or 5 padlocks, all the padlocks unlock with the same key



11134



11135



11136



11137



11138



11139



11140



11141

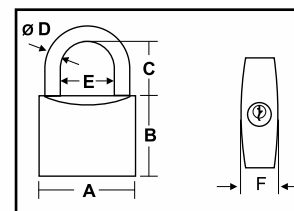


11142



11143

Code	Standard shackle					Long shackle				Set of 3 Padlocks 30mm with joint key	Set of 3 with long shackle, 30mm, with joint key	Set of 5 Padlocks 30mm with joint key
	11134	11135	11136	11137	11138	11139	11140	11141	11142	11143	11906	11905
A(mm)	25	30	40	50	60	25	30	40	50	30	30	30
B(mm)	24	27	33	40	45	24	27	33	40	27	27	27
C(mm)	14	17	24	28	34	24	24	38	80	17	24	17
D(mm)	4	5	6,5	8	9	4	5	6,5	8	5	5	5
E(mm)	14	15	20	25	32	14	15	20	25	15	15	15
F(mm)	12	13	14,5	16,5	18	12	13	14,5	16,5	13	13	13



### Utility Hook 'Store-All', (pack of 2)

The 'Store All' hook can be used in almost all places on a boat. All you have to do is attach them on a flat surface and use them for lines, clothing, towels, etc.



Code	94126	99231
Colour	White	Graphite

### Dimensions

Length: 2,5cm  
Height: 7,5cm  
Width: 3cm

BEST  
VALUE



### Safety lock for outboard engines, Inox 316

Code	99525	99526
Length (mm)	235	280

### Lock for hatches

Ø 12 mm

Code.....10274



### Hatch fastener, Inox 316

Code	70611
Dimensions (mm)	26x79



## Hinges

### Locking hasp, L 77mm, W 30mm

Code.....99592



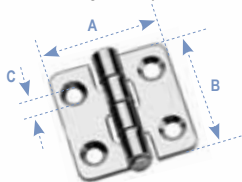
### Safety eye hasp 99x25mm

Code.....99591



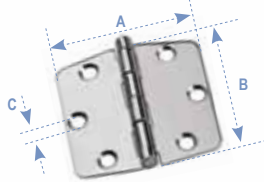
## Hinges

All Lalizas hinges are pressed and mirror polished



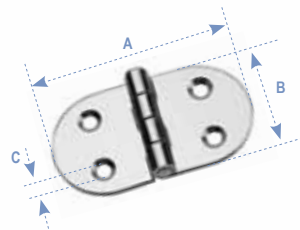
Hinges Inox 316, Right

Code	70652	70654
A (mm)	38,5	48
B (mm)		40
Thickness (mm)		2
C (mm)		5



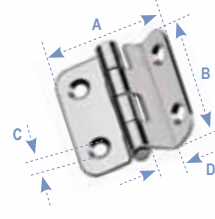
Hinges Inox 316, Right

Code	70655	70656
Length (mm)	74	63
Width (mm)	75	60
Thickness (mm)		2
C (mm)		5



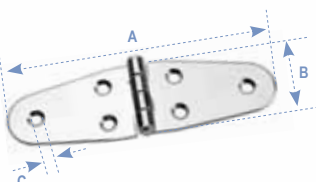
Hinges Inox 316

Code	70648	70650	70649	70651
Description	Reversed		Right	
A (mm)	68	46	68	46
B (mm)	39	30	39	30
Thickness (mm)	2	1,5	2	1,5
C (mm)			5	



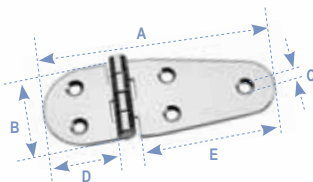
Hinges Inox 316 with angle, Right

Code	70653
A (mm)	38
B (mm)	40
Thickness (mm)	1,5
C (mm)	5
D (mm)	9



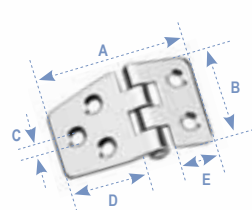
Hinges Inox 316

Code	70657	70659	70658
Description	Right	Reversed	
A (mm)	100	135	100
B (mm)	30	40	30
Thickness (mm)		2	
C (mm)		5	



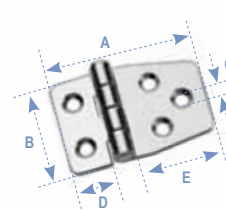
Hinges Inox 316, Right

Code	70660
A (mm)	104
B (mm)	40
Thickness (mm)	2
C (mm)	5
D (mm)	34
E (mm)	62



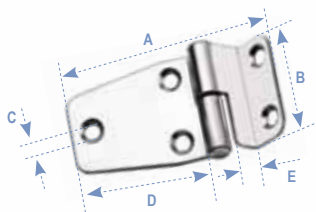
Hinges Inox 316, Reversed

Code	70661
A (mm)	54
B (mm)	38,5
Thickness (mm)	2
C (mm)	5
D (mm)	30,5
E (mm)	14,5



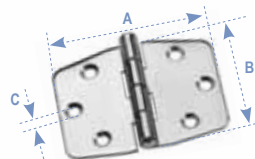
Hinges Inox 316, Right

Code	70662
A (mm)	54
B (mm)	38,5
Thickness (mm)	2
C (mm)	5
D (mm)	30,5
E (mm)	14,5



Hinges Inox 316 with angle, Right

Code	70665
A (mm)	71,5
B (mm)	40
Thickness (mm)	2
C (mm)	5
D (mm)	44,5
E (mm)	10



Hinges Inox 316

Code	70663	70664
Description	Reversed	Right
A (mm)		71
B (mm)		38,5
Thickness (mm)		2
C (mm)		5

Deck Hardware

## Handrail



Inox 316, Hand rail, Diam. 25mm

Code	97686	97687	97688	97689
Length (mm)	300	500	650	850



Handrail, Inox 316 Diam. 25mm

Code	93508	93509	93510
Length (mm)	300	400	500



Flush lift Ring, stamped Inox 316

Code	98718
Dimensions (mm)	55,5x65,5



Flush lift Ring, stamped Inox 316

Code	98719
Dimensions (mm)	75x58

Code...70642



Inox knob for door, L 205mm, H 55mm, M6

Total Height: 55mm, Base Length: 205mm, Base Width: 40mm, Thickness: 2,5mm

## Screws, Nuts & Washers

### Screws, nuts, bolts and marine accessories Inox 316, Seaware

Lalizas presents the Seaware range of screws, nuts, bolts and other accessories, especially designed for the marine industry. Made of stainless steel 316 for great resistance against the marine environment and weather conditions, all products feature top quality, fine surface finishes and high durability for long time use. For your convenience, the Lalizas Seaware screws, nuts and all the marine accessories are available in blister sets for small quantities or in bags for big quantities.



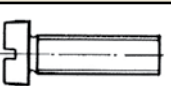


**BLISTER**  
(Small quantity)

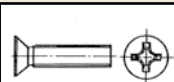


**BAG**  
(Big quantity)

**Slotted cheese-head screw Inox 316 DIN 84/ISO 1207**

<b>BLISTER</b> (Small quantity)	Code	11144	11145	11146	11147	11148	11149	11150	11151	11152	11153	11154	11155	11156	11157
	Dimensions(mm)	3x12	3x16	3x20	3x25	3x30	3x40	4x8	4x16	4x20	4x25	4x30	4x40	4x50	5x16
	Quantity (pcs)	20	20	20	20	20	10	20	15	15	12	12	8	6	10
	Code	11158	11159	11160	11161	11162	11163	11164	11165	11166	11167	11168	11169	11170	11171
	Dimensions(mm)	5x20	5x25	5x30	5x40	5x50	5x60	6x20	6x25	6x30	6x35	6x40	6x50	6x60	6x70
	Quantity (pcs)	8	8	6	6	5	4	6	5	5	4	3	3	2	2
<b>BAG</b> (Big quantity)	Code	11583	11584	11585	11586	11587	11588	11589	11590	11591	11592	11593	11594	11595	11596
	Dimensions(mm)	3x12	3x16	3x20	3x25	3x30	3x40	4x8	4x16	4x20	4x25	4x30	4x40	4x50	5x16
	Quantity (pcs)	220	190	160	140	120	110	150	110	100	80	70	60	50	70
	Code	11597	11598	11599	11600	11601	11602	11603	11604	11605	11606	11607	11608	11609	11610
	Dimensions(mm)	5x20	5x25	5x30	5x40	5x50	5x60	6x20	6x25	6x30	6x35	6x40	6x50	6x60	6x70
	Quantity (pcs)	60	50	45	35	30	25	40	35	30	25	25	20	15	15

**Cross slotted countersunk head screw Inox 316 DIN 965/ISO 7046**

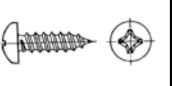
<b>BLISTER</b> (Small quantity)	Code	11195	11196	11197	11198	11199	11200	11201	11202	11203	11204	11205	11206
	Dimensions(mm)	3x12	3x16	3x20	3x25	4x16	4x20	4x25	4x30	4x35	4x40	5x16	5x20
	Quantity (pcs)	25	25	20	20	20	16	15	15	10	10	10	12
	Code	11207	11208	11209	11210	11211	11212	11213	11214	11215	11216	11217	
	Dimensions(mm)	5x25	5x30	5x40	5x50	5x60	6x25	6x30	6x40	6x50	6x60	6x70	
	Quantity (pcs)	10	8	6	4	4	6	6	5	4	3	2	
<b>BAG</b> (Big quantity)	Code	11634	11635	11636	11637	11638	11639	11640	11641	11642	11643	11644	11645
	Dimensions(mm)	3x12	3x16	3x20	3x25	4x16	4x20	4x25	4x30	4x35	4x40	5x16	5x20
	Quantity (pcs)	340	290	240	200	170	140	120	100	90	80	85	85
	Code	11646	11647	11648	11649	11650	11651	11652	11653	11654	11655	11656	
	Dimensions(mm)	5x25	5x30	5x40	5x50	5x60	6x25	6x30	6x40	6x50	6x60	6x70	
	Quantity (pcs)	75	65	50	40	30	50	40	30	25	20	20	

**BEST VALUE**

**BEST  
VALUE**

**Plain recessed-head self-tapping screw Inox 316 DIN 7981/ISO 7049**

<b>BLISTER</b> (Small quantity)	Code	11218	11219	11220	11221	11222	11223	11224	11225	11226	11227	11228	11229	11230	11231	11232
	Dimensions(mm)	2,9x9,5	2,9x13	2,9x16	2,9x19	2,9x25	3,5x9,5	3,5x13	3,5x16	3,5x19	3,5x25	3,5x32	4,2x9,5	4,2x13	4,2x16	4,2x19
	Quantity (pcs)	20	20	20	20	20	20	20	20	20	20	16	20	20	20	15

	Code	11233	11234	11235	11236	11237	11238	11239	11240	11241	11242	11243	11244	11245	11246	11247	11248
	Dimensions(mm)	4,2x25	4,2x32	4,2x38	4,2x50	4,8x16	4,8x19	4,8x25	4,8x32	4,8x38	4,8x50	5,5x19	5,5x25	5,5x32	5,5x38	5,5x50	5,5x60
	Quantity (pcs)	15	15	10	8	15	15	12	10	8	7	10	8	7	6	4	4

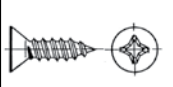
<b>BAG</b> (Big quantity)	Code	11657	11658	11659	11660	11661	11662	11663	11664	11665	11666	11667	11668	11669	11670	11671
	Dimensions(mm)	2,9x9,5	2,9x13	2,9x16	2,9x19	2,9x25	3,5x9,5	3,5x13	3,5x16	3,5x19	3,5x25	3,5x32	4,2x9,5	4,2x13	4,2x16	4,2x19
	Quantity (pcs)	400	360	320	280	230	300	250	220	200	160	130	200	170	150	140

	Code	11672	11673	11674	11675	11676	11677	11678	11679	11680	11681	11682	11683	11684	11685	11686	11687
	Dimensions(mm)	4,2x25	4,2x32	4,2x38	4,2x50	4,8x16	4,8x19	4,8x25	4,8x32	4,8x38	4,8x50	5,5x19	5,5x25	5,5x32	5,5x38	5,5x50	5,5x60
	Quantity (pcs)	110	90	80	60	110	100	80	70	60	40	65	55	45	40	30	25

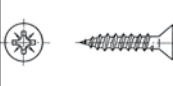


## Screws, Nuts & Washers


### Slotted head self-tapping countersunk screw Inox 316 DIN 7982/ISO 7050

<b>BLISTER</b> (Small quantity)	Code	11249	11250	11251	11252	11253	11254	11255	11256	11257	11258	11259	11260	11261	11262	11263	11264
	Dimensions(mm)	2,9x9,5	2,9x13	2,9x16	2,9x19	2,9x25	3,5x9,5	3,5x13	3,5x16	3,5x19	3,5x25	3,5x32	4,2x9,5	4,2x13	4,2x16	4,2x19	4,2x25
	Quantity (pcs)	20	20	20	20	20	20	20	20	20	20	16	20	20	20	20	20
	Code	11265	11266	11267	11268	11269	11270	11271	11272	11273	11274	11275	11276	11277	11278		
	Dimensions(mm)	4,2x32	4,2x38	4,8x16	4,8x19	4,8x25	4,8x32	4,8x38	4,8x50	5,5x19	5,5x25	5,5x32	5,5x38	5,5x50	5,5x60		
	Quantity (pcs)	15	10	15	15	15	12	10	8	10	8	8	6	4	4		
<b>BAG</b> (Big quantity)	Code	11688	11689	11690	11691	11692	11693	11694	11695	11696	11697	11698	11699	11700	11701	11702	11703
	Dimensions(mm)	2,9x9,5	2,9x13	2,9x16	2,9x19	2,9x25	3,5x9,5	3,5x13	3,5x16	3,5x19	3,5x25	3,5x32	4,2x9,5	4,2x13	4,2x16	4,2x19	4,2x25
	Quantity (pcs)	450	420	360	320	250	370	300	260	230	180	140	280	230	190	170	130
	Code	11704	11705	11706	11707	11708	11709	11710	11711	11712	11713	11714	11715	11716	11717		
	Dimensions(mm)	4,2x32	4,2x38	4,8x16	4,8x19	4,8x25	4,8x32	4,8x38	4,8x50	5,5x19	5,5x25	5,5x32	5,5x38	5,5x50	5,5x60		
	Quantity (pcs)	100	90	130	110	90	70	60	50	80	70	50	40	30	20		

### Countersunk recessed-head chipboard screw Inox 316

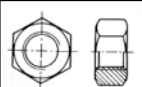
<b>BLISTER</b> (Small quantity)	Code	11308	11309	11310	11311	11312	11313	11314	11315	11316	11317	11318	11319	11320	11321	11322	11323	11324
	Dimensions(mm)	3x16	3x20	3x25	3x30	3,5x16	3,5x20	3,5x25	3,5x30	4x20	4x25	4x30	4x35	4x40	4x50	4x60	4,5x30	4,5x35
	Quantity (pcs)	30	25	25	20	20	25	20	20	20	16	15	15	15	12	8	12	10
	Code	11325	11326	11327	11328	11329	11330	11331	11332									
	Dimensions(mm)	4,5x40	4,5x50	5x30	5x40	5x50	5x60	5x70	5x80									
	Quantity (pcs)	10	10	12	8	7	6	6	5									
<b>BAG</b> (Big quantity)	Code	11747	11748	11749	11750	11751	11752	11753	11754	11755	11756	11757	11758	11759	11760	11761	11762	11763
	Dimensions(mm)	3x16	3x20	3x25	3x30	3,5x16	3,5x20	3,5x25	3,5x30	4x20	4x25	4x30	4x35	4x40	4x50	4x60	4,5x30	4,5x35
	Quantity (pcs)	330	290	260	220	260	220	200	170	180	160	140	120	110	90	75	110	100
	Code	11764	11765	11766	11767	11768	11769	11770	11771									
	Dimensions(mm)	4,5x40	4,5x50	5x30	5x40	5x50	5x60	5x70	5x80									
	Quantity (pcs)	90	70	90	70	60	50	40	35									

### Fully-threaded hexagon head bolt Inox 316 DIN 933/ISO 4017

<b>BLISTER</b> (Small quantity)	Code	11333	11334	11335	11336	11337	11338	11339	11340	11341	11342	11343	11344	11345	11346	11347		
	Dimensions (mm)	4x10	4x20	4x30	5x16	5x20	5x25	5x30	5x40	5x50	6x16	6x20	6x25	6x30	6x35	6x38		
	Quantity (pcs)	20	15	10	8	8	7	6	5	4	7	5	4	4	4	4		
	Code	11348	11349	11350	11351	11352	11353	11354	11355	11356	11357	11358	11359					
	Dimensions (mm)	6x40	6x45	6x50	6x60	8x20	8x30	8x40	8x50	10x30	10x40	10x50	10x60					
	Quantity (pcs)	4	3	3	2	2	2	2	1	1	1	1	1					
<b>BAG</b> (Big quantity)	Code	11772	11773	11774	11775	11776	11777	11778	11779	11780	11781	11782	11783	11784	11785	11786		
	Dimensions (mm)	4x10	4x20	4x30	5x16	5x20	5x25	5x30	5x40	5x50	6x16	6x20	6x25	6x30	6x35	6x38		
	Quantity (pcs)	120	90	70	65	60	50	45	35	30	45	40	35	30	30	25		
	Code	11787	11788	11789	11790	11791	11792	11793	11794	11795	11796	11797	11798					
	Dimensions (mm)	6x40	6x45	6x50	6x60	8x20	8x30	8x40	8x50	10x30	10x40	10x50	10x60					
	Quantity (pcs)	25	25	20	20	20	15	12	10	10	8	7	6					

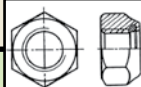
**BEST VALUE**

### Hexagon nut Inox 316 DIN 934/ISO 4032

<b>BLISTER</b> (Small quantity)	Code	70170	70171	11362	11363	11364	11365											
	Dimensions(mm)	M3	M4	M5	M6	M8	M10											
	Quantity (pcs)	20	20	20	15	8	3											
	Code	70172	70173	11799	11800	11801	11802											
	Dimensions(mm)	M3	M4	M5	M6	M8	M10											
	Quantity (pcs)	200	200	200	110	55	20											
<b>BAG</b> (Big quantity)																		


**BEST VALUE**

### Self-locking nut Inox 316 DIN 985/ISO 10511

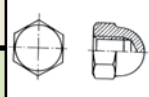
<b>BLISTER</b> (Small quantity)	Code	11366	11367	11368	11369	11370	11371											
	Dimensions(mm)	M3	M4	M5	M6	M8	M10											
	Quantity (pcs)	10	10	10	10	6	3											
	Code	70931	11803	11804	11805	11806	11807											
	Dimensions(mm)	M3	M4	M5	M6	M8	M10											
	Quantity (pcs)	70	70	70	70	50	25											
<b>BAG</b> (Big quantity)																		

**BEST VALUE**

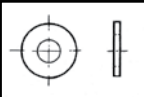
### Wing nut Inox 316 DIN 315

<b>BLISTER</b> (Small quantity)		Code	11372	11373	11374	11375	11376	11377
		Dimensions(mm)	M3	M4	M5	M6	M8	M10
		Quantity (pcs)	7	6	5	5	3	2
								
<b>BAG</b> (Big quantity)		Code	11808	11809	11810	11811	11812	11813
		Dimensions(mm)	M3	M4	M5	M6	M8	M10
		Quantity (pcs)	65	60	60	40	30	15

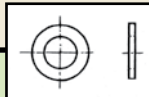
### Grommet Nut Inox 316 DIN 1587

<b>BLISTER</b> (Small quantity)		Code	11378	11379	11380	11381	11382	11383
		Dimensions(mm)	M3	M4	M5	M6	M8	M10
		Quantity (pcs)	8	8	6	5	3	2
								
<b>BAG</b> (Big quantity)		Code	11814	11815	11816	11817	11818	11819
		Dimensions(mm)	M3	M4	M5	M6	M8	M10
		Quantity (pcs)	85	80	70	50	25	15

### Wide flat washer Inox 316 DIN 9021/ISO 7093

<b>BLISTER</b> (Small quantity)		Code	11384	11385	11386	11387	11388	11389
		Dimensions(mm)	3x9	4x12	5x12	6x19	8x24	10x30
		Quantity (pcs)	35	30	25	15	6	4
								
<b>BAG</b> (Big quantity)		Code	11820	11821	11822	11823	11824	11825
		Dimensions(mm)	3x9	4x12	5x12	6x19	8x24	10x30
		Quantity (pcs)	350	350	250	110	55	30

### Flat washer Inox 316 DIN 125/ISO 7089

<b>BLISTER</b> (Small quantity)		Code	11390	11391	11392	11393	11394	11395
		Dimensions(mm)	3.2x7	4.3x9	5.3x10	6.4x12	8.4x16	10.5x20
		Quantity (pcs)	50	30	30	20	20	15
								
<b>BAG</b> (Big quantity)		Code	11826	11827	11828	11829	11830	11831
		Dimensions(mm)	3.2x7	4.3x9	5.3x10	6.4x12	8.4x16	10.5x20
		Quantity (pcs)	500	390	350	310	165	115

## Flags & Accessories



Belgian Flag

Code	10902	10903	10905	10908
Dimensions(cm)	20x30	30x45	50x75	100x150



Dutch Flag

Code	10965	10966	10968	10971
Dimensions(cm)	20x30	30x45	50x75	100x150



BEST VALUE

Greek Flag

Code	10951	10952	10954	10957
Dimensions(cm)	20x30	30x45	50x75	100x150



Croatian Flag

Code	10909	10910	10912	10915
Dimensions(cm)	20x30	30x45	50x75	100x150



Norwegian Flag

Code	10972	10973	10975	10978
Dimensions(cm)	20x30	30x45	50x75	100x150



BEST VALUE

German Flag

Code	10944	10945	10947	10950
Dimensions(cm)	20x30	30x45	50x75	100x150



Danish Flag

Code	10916	10917	10919	10922
Dimensions(cm)	20x30	30x45	50x75	100x150



Portuguese Flag

Code	10979	10980	10982	10985
Dimensions(cm)	20x30	30x45	50x75	100x150



N. Z. Flag

Code	11028	11029	11031	11034
Dimensions(cm)	20x30	30x45	50x75	100x150



BEST VALUE

European Flag

Code	10923	10924	10926	10929
Dimensions(cm)	20x30	30x45	50x75	100x150



Slovenian Flag

Code	10986	10987	10989	10992
Dimensions(cm)	20x30	30x45	50x75	100x150



Turkish Flag

Code	11007	11008	11010	11013
Dimensions(cm)	20x30	30x45	50x75	100x150



Finnish Flag

Code	10930	10931	10933	10936
Dimensions(cm)	20x30	30x45	50x75	100x150



Spanish Flag

Code	10993	10994	10996	10999
Dimensions(cm)	20x30	30x45	50x75	100x150



South African Flag

Code	11035	11036	11038	11041
Dimensions(cm)	20x30	30x45	50x75	100x150



BEST VALUE

French Flag

Code	10937	10938	10940	10943
Dimensions(cm)	20x30	30x45	50x75	100x150



Swedish Flag

Code	11000	11001	11003	11006
Dimensions(cm)	20x30	30x45	50x75	100x150



Italian Flag

Code	10958	10959	10961	10964
Dimensions(cm)	20x30	30x45	50x75	100x150



## Flags & Accessories



**Austrian Flag**

Code	11054	11055
Dimensions(cm)	20x30	30x45



**Maltese Flag**

Code	11058	11059
Dimensions(cm)	20x30	30x45



**U.S.A. Flag**

Code	11062	11063
Dimensions(cm)	20x30	30x45



**Swiss Flag**

Code	11066	11067
Dimensions(cm)	20x30	30x45



**Gibraltar Flag**

Code	11070	11071
Dimensions(cm)	23x45	45x90



**Isle of Man Flag**

Code	11074	11075
Dimensions(cm)	23x45	45x90



**Scotland St. Andrew Flag**

Code	11078
Dimensions(cm)	23x45



**Scottish Lion Flag**

Code	11080	11081
Dimensions(cm)	23x45	45x90



**Polish Flag**

Code	11056	11057
Dimensions(cm)	20x30	30x45



**Russian Flag**

Code	11060	11061
Dimensions(cm)	20x30	30x45



**Irish Flag**

Code	11064	11065
Dimensions(cm)	20x30	30x45



**Blue Ensign Flag**

Code	11068
Dimensions(cm)	23x45



**Guernsey Flag**

Code	11072	11073
Dimensions(cm)	23x45	45x90



**Jersey Flag**

Code	11076
Dimensions(cm)	23x45



**English 'Union Jack' Flag**

Code	11048
Dimensions(cm)	23x45



**Australian Flag**

Code	11021	11022	11024	11027
Dimensions(cm)	20x30	30x45	50x75	100x150



**Red Ensign Flag**

Code	11042	11043
Dimensions(cm)	23x45	35x75



**St. George Cross Flag**

Code	11082	11083
Dimensions(cm)	23x45	45x90



**Welsh Flag**

Code	11084	11085
Dimensions(cm)	23x45	45x90

**BEST VALUE**



**Pirate's Flag**

Code	11520
Dimensions(cm)	30x45



Code	Description	Dimensions
11517	Obligatory Flags for Cat. 3, 4, 5 (France)	30x40cm
11518	Obligatory Flags for Cat. 1, 2 (France)	50x60cm

**BEST VALUE**



**International Marine Code (40\* pcs)**

Code.....11086

**\*INCLUDES:**  
26 Letter Flags 20x30cm  
11 Pennants 43x15cm  
3 Substitutes 30x15cm



**Mast for flag, Inox 316**

Code	Diameter (mm)	Length (mm)
70637	25	800
70638		900
70639		1250



30380

30390



30381

**Pole light storing bases**

Single and twin clip brackets designed to store pole lights and/or pole for flag.

Code	30380	30381	30390	30391
Bases	2		1	
Colour	Black	White	Black	White



**Plug in Pole for Flags**

Using the same proven symmetrical locking tube design as our pole lights, the flag base is made of ABS plastic with a 50-100cm pole. The base is reinforced and very durable. Easily removed for rapid storage.

Code	30360	30370	30700	30710
Length (cm)	50	100	50	100
Base colour	Black		White	



Modified Sine Wave Inverter "Plus" Sea Power

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Self-adhesive transparent function labels for 99726, 99728-30 - 25pcs Set

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BEST VALUE

NEW



Dome Light / Trailer Light

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Bulb, LED

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Advisor



Information



New Product



Best Quality



Easy mounting



Battery Operated



Pre-wired



Competitive Price



Captain's Suggestions



## Combo Jumpstart

### ADVISOR

#### What is a jumpstart?

A Jumpstart is a device, which gives a boost to your battery, when it is dead or too low in charge to start the motor of your boat or car.

#### What is an air compressor?

An air compressor is a device that pumps a constant flow of air into high-pressure items through a hose (boat fenders, mooring buoys, car tires, etc).

#### What is an Inflator?

An Inflator is a device, which can inflate and deflate low-pressure items for a long period of time, eg. Water tubes and Inflatable Boats.

#### Instructions of Use

##### 1. Jumpstart

- Before use, make sure that the boat or vehicle to be jumpstarted is switched off
- Attach the red clamp (+) to the positive terminal of the battery. Then connect the black clamp (-) to a non-moving metal part of the engine. Do not connect to the negative battery terminal.
- Switch the boat's ignition to ON position and wait for 1-2 minutes
- Switch the boat to the start position for no more than 5 to 6 sec. If the engine does not start, wait at least 3 minutes before retrying
- When the engine starts, switch off the jumpstart and then disconnect the black clamp first and then red clamp
- Return the clamps to their storage position on the jumpstart system
- Recharge the device as soon as possible

##### 2. Air Compressor

- When inflating a tire, lock the Hose Connector on the tire valve stem by pressing the lever down. When inflating an air mattress or any other similar item, place the appropriate adaptor into the hose connection.
- Switch on the Air Compressor
- Run the Air Compressor for only 10 minutes at a time, being careful not to over-inflate. If you need to continue inflating, allow 25 minutes to cool down and then switch on again.
- Switch off the Air Compressor when the inflation is completed

##### 3. Inflator

- Insert the cigarette lighter plug of the inflator into the cigarette lighter socket of the Jumpstart, which is at the back
- Place on the Inflator the appropriate inflator adaptor depending on the size of the valve you need to connect to inflate/ deflate
- Switch On the Inflator

##### 4. Other appliances

You can use the Sea Power Jumpstart and Air Compressor to power up other appliances, such as mobile phones, spotlights, etc.

The appliances should be equipped with a cigarette lighter plug

- Uncover the cigarette lighter socket
- Insert the cigarette lighter plug of the appliance into the socket

##### 5. Recharging

You can recharge the device either with the 12V Adaptor or with the Cigarette Lighter Recharger

- Adaptor: Connect the Adaptor to the receptacle on the front panel and then plug it in to a 120VAC outlet. Allow 40 hours to recharge
- Cigarette Lighter Recharger: Connect the plug into the boat's socket. Then connect the other end to the receptacle on the front panel (With this method the system will not recharge to the same 14 to 15 Voltage level as when using the Adaptor)

##### ATTENTION

In order to use safely, and to make sure your jumpstart lasts, please follow the advice given below and on the device:

- Use only on boats and vehicles with 12V electrical systems
- Always read and follow the Assembly and Operations Instructions booklet before using the Sea Power Jumpstart & Air Compressor
- Turn ignition off before connecting the cables
- Electric shock can cause injury or death. Avoid touching exposed conductors of electricity
- Do not allow the Black and Red clamps to come in contact, to avoid risk of a short circuit.
- Run the compressor continuously only for 10 minutes at a time. Allow cool down for 25 minutes before using again
- Charge for 12 hours before first use and charge after every use thereafter

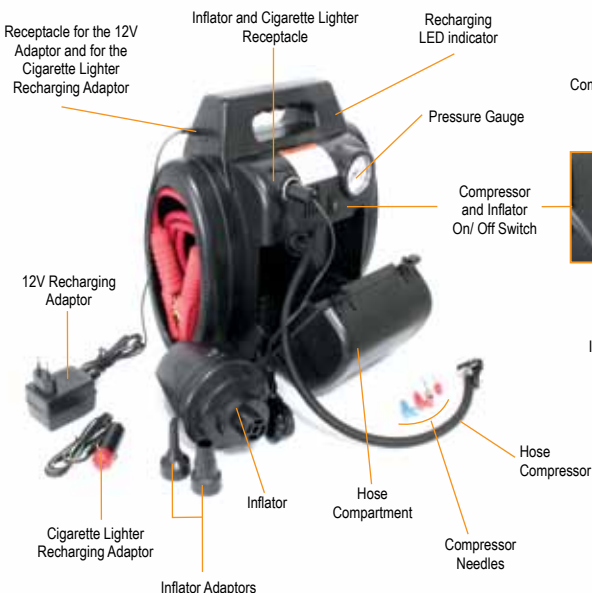
### Jumpstart and Air Compressor SP1, Sea Power

With the Sea Power Jumpstart stored in your boat or car, you will never have to worry if your battery is dead. This handy power source is especially designed to instantly start your boat and small craft or give power to electrical devices, such as mobile phones, motors etc. Additionally, the device has a built-in Air compressor and Inflator ideal for you to inflate/ deflate your small boat, your mattress etc. The jumpstart power source is suitable for 12V electrical systems only and it is especially designed to operate even if it is left uncharged for 6 months. Made of high quality materials, it features a safety switch, overload protection and automatic charge cut-off to prevent overcharging. For your convenience, it is equipped with voltmeter, in order to check when the device needs to be charged and also a bright work light. Charging can be accomplished by using the cigarette lighter plug or the 3m adaptor. Especially for the inflation/ deflation function, the Air compressor and Inflator features 3 nozzle adaptors depending on the size of the valve you need to connect to. The Sea Power Jumpstart and Air Compressor is supplied with Operating Instructions and it is available in black.

#### Technical Specifications

- 12V DC, 400A peak starting power
- 17amp-hours sealed lead acid, rechargeable battery
- Protection: thermostat for 12V DC, light 12V 4W
- Air compressor pressure: 260PSI Max, Ø19mm
- Charger: 15V500MA, length of charger's wire: 1.4m
- Length of direct current charger's wire: 1.4m
- Length of clips wire: 41cm
- 3pcs accessories built-in fluorescent light on front
- On/ Off Switch
- CE & E-Mark Approved

Code.....31400



**Features:** 260PSI Max air compressor pressure, 12V DC, 400A peak starting power **Battery:** 17amp-hours sealed lead acid, rechargeable, **Protection:** thermostat for 12V DC, light 12V 4W, **Charger:** 15V500MA, **Approval:** CE & E 11



### Jumpstart SP2, Sea Power

#### Technical Specifications

- 12V DC, 400A peak starting power
- 17amp-hours sealed lead acid, rechargeable battery
- Protection: thermostat for 12V DC, 2A current fuse for 3V/6V/9V
- Charger: 15V 500mA, Length of charger's wire: 1.4m
- Length of direct current charger's wire: 1.4m
- Length of clips wire: 41cm
- Built-in fluorescent light on back, light 12V 4W
- LED charging indicators, on/charge/off switch
- CE & E-Mark Approved

Code.....31401

**SP2**



12V Recharging Adaptor



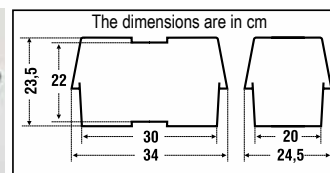
**Features:** 12V DC, 400A peak starting power, **Battery:** 17amp-hours sealed lead acid, rechargeable, **Protection:** thermostat for 12V DC, 2Amp current fuse for 3V/6V/9V, **Charger:** 15V500MA, **Approval:** CE & e 11

## Battery Box



### Battery Box

Although most batteries are now built as sealed units, it is always better to have them encased in an extra box. Constructed from highly resistant polypropylene, it has 4 points for ventilation but do not allow rain water or spray to pass through - and 4 entry ports for power cables on the four corners. It is supplied with a retaining strap, which secures the battery box. The Lalizas battery box is suitable for battery sizes up to L26,5 x W17,5 x H19cm.



Code.....11131

BEST VALUE

Electrical

## Power Inverters



### Modified Sine Wave Inverter "Plus" Sea Power

A power inverter is an electronic device that converts low voltage 10-15V DC (direct current) battery power to 220 - 230V AC (alternating current) household power, especially useful, when shore power is not available. Power Inverters are invaluable for powering for laptops, cell phones and many other appliances. Automatic shutdown provides protection against overload, over temperature and low battery conditions. Includes a cigarette lighter plug. Available in 150W, 300W, 500W, 1000W.

Code	31373	31374	31375	31376
Max. Continuous Power (W)	150	300	500	1000
Peak Power (W)	300	600	1000	2000
Input Voltage Range (V)	10 - 15V			
Output Voltage (V)	220 - 230V			
Dimensions (L x B x H cm)	150x105x55	150x105x55	180x105x55	240x150x70
Weigh (Kg)	0,5	0,6	0,74	2,3



NEW





## Batteries



Blistered Lalizas Alkaline Batteries

Code	31357	31337	31338	31339
Size	AAA	AA	C	D
Packing	4 pcs	4 pcs	2 pcs	2 pcs



31357



31337



31338



31339



Lalizas Alkaline  
Battery GP  
15AU-U4/LR6  
Code.....01312

## Solar Panels



### Solar Panels, Monocrystalline

- State of the art technology in cell manufacturing and encapsulation results in maximum reliability coupled with minimum maintenance
- High resistance to water, abrasion, hail impact and other environmental factors
- Anodized aluminum alloy frame
- Low iron high transparency temper glass cover
- Designed and manufactured to comply with European and International standards

### WARRANTIES & CERTIFICATIONS

Limited warranty on power output  
Warranty: 10 years 95% - 25 years 85%



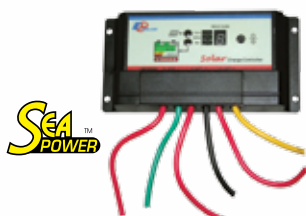
Code	70904	70905	99210	70906	99211	99212	99213	99214
<b>DIMENSIONS &amp; SPECIFICATIONS</b>								
Cell Type	Monocrystalline							
Cell Dimensions (mm)	125x125mm							
Length (mm)	254	396	440	639	645	835	1210	1250
Width (mm)	294	289	294	294	545	540	540	808
Thickness (mm)	23	23	23	23	23	28	28	35
Weight (Kg)	0,8	1,4	2,2	2,4	5,2	5,5	8,2	11,8
<b>ELECTRICAL SPECIFICATIONS</b>								
Maximum Power Rating (W)	5	10	15	20	30	50	75	100
Tolerance of the rated output power	±3%							
Short circuit current (A)	0,38	0,68	1,06	1,30	1,96	2,98	4,81	6,01
Open circuit current (V)	21	21,5	21,6	21,6	21,6	21,6	21,65	21,5
Rated Voltage (V)	16,8	17	17,2	17,2	17,2	17,6	17,4	17,6
Rated Current (A)	0,30	0,30	0,88	1,17	1,75	2,85	4,31	5,68
Maximum permitted system voltage (V)	12							

### Solar Panels Use

Code	Watt	Use
70904	5	Ideal for the maintenance and / or charge of small batteries (mobile, laptop e.t.c). It can also be used for trickle charge (maintenance) of the batteries so as to be ready for use at all times.
70905	10	
70905	10	Ideal for the maintenance of one or two batteries on the boat. Suitable for charging portable electronic devices & for the maintenance of small or medium size batteries, so as to keep them charged during the boat's winterizing.
99210	15	
70906	20	Ideal solution for the maintenance and charge of one or two medium capacity batteries on the boat, used for all the applications. Batteries' protection during the boat's winterizing.
99211	30	
99212	50	
99212	50	Suitable for charging big capacity batteries used for all the applications on the boat. Ideal for charging the batteries used for a small cabin's electricity, the boat's fishing tools, e.t.c.
99213	75	
99213	75	Suitable for charging big capacity batteries used for all the applications on the boat. Ideal for charging the batteries used for the cabin's electricity, the continuous function of the refrigerator, the heating, e.t.c.
99214	100	

**Note:** The solar panels mentioned in this table can either be installed separately or as an array (in a row) of two or more panels, according to the boat's electricity needs and batteries' capacity.

### Solar Charge Controller, 12/24V



Code.....90287

#### Technical Specifications

- Type of Charging: 4 stages PWM charging (Bulk – PWM – Boost – Float)
- Rated Solar Input: 10A
- Rated Load: 10A
- Regulation Voltage: 14.4V
- Load Disconnect: 11.08V
- Load Reconnect: 12.58V
- Self-Consumption: Max. 6mA
- Temperature: -35 to +55
- Terminals: For 2.5mm<sup>2</sup> cables
- Protection against short circuit, over current, overload, reverse polarity, battery reverse current at night, high load voltage
- LED indications for charging, battery levels, low voltage, disconnect, e.t.c
- Weight: 250gr
- Dimensions: 140x70mm

#### General Characteristics

- Automatic Lighting control function
- Ideal for areas with increased humidity, such as boats, outdoor pathway lighting, parking areas e.t.c
- Suitable for 12/24V lamps
- Selection of the battery type (Sealed & Gel)
- Waterproof (IP67)
- 100% Protection against humidity

## Electrical Panels & Accessories

### "SP Ultra" Switch Panels

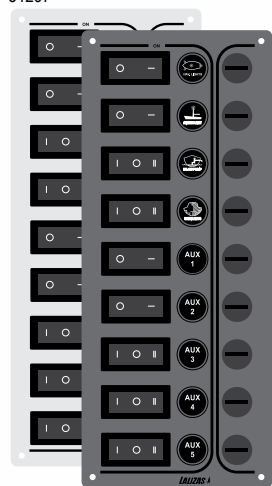
Lalizas Switch Panels "SP Ultra" have been especially designed for use on small and medium sized boats. They allow you to control any desired device, such as bilge pumps, navigation or cabin lights etc, at the touch of a button. They feature waterproof switches, for the protection against water and indication light for ease of use. Switch Panels "SP Ultra" are made of brushed Inox 316 for durability and resistance to corrosion and harsh conditions. They are available in five models with 3, 4, 6, 9 and 12 switches and in two colours, natural & charcoal.

#### Additional features:

- ON-OFF switches
- For use only in 12/24V DC. Max load per switch 10A
- Panels in charcoal colour are coated with electrostatic paint
- Completely wired and ready to install
- All Lalizas "SP Ultra" Switch Panels have three years guarantee

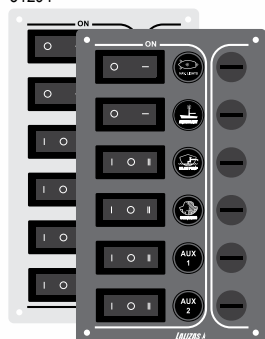


31297



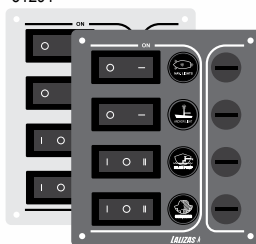
31298

31294



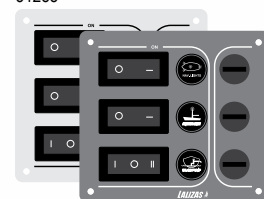
31295

31291



31292

31288



31289

3 YEARS GUARANTEE

INOX 316

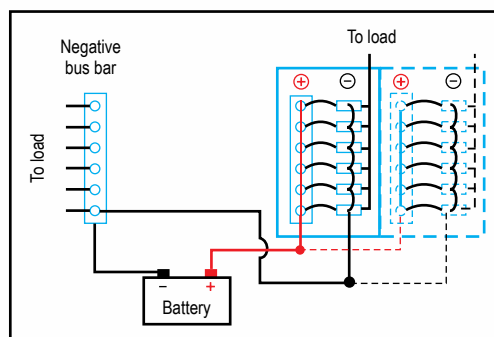
BEST VALUE

31299



31300

Code	Description	Colour	Switches	Dimensions (cm)		Voltage (V)
				Height	Width	
31288	"SP3 Ultra"	Inox	2 ON-OFF, 1 ON-OFF-MON	9	10	12/24
31289	"SP3 Ultra"	Charcoal	2 ON-OFF, 1 ON-OFF-MON	9	10	12/24
31291	"SP4 Ultra"	Inox	2 ON-OFF, 1 ON-OFF-MON, 1 ON-OFF-ON	11,5	10	12/24
31292	"SP4 Ultra"	Charcoal	2 ON-OFF, 1 ON-OFF-MON, 1 ON-OFF-ON	11,5	10	12/24
31294	"SP6 Ultra"	Inox	2 ON-OFF, 1 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF	16,5	10	12/24
31295	"SP6 Ultra"	Charcoal	2 ON-OFF, 1 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF	16,5	10	12/24
31297	"SP9 Ultra"	Inox	4 ON-OFF, 2 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF	24	10	12/24
31298	"SP9 Ultra"	Charcoal	4 ON-OFF, 2 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF	24	10	12/24
31299	"SP12 Ultra"	Inox	7 ON-OFF, 2 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF	18	16,5	12/24
31300	"SP12 Ultra"	Charcoal	7 ON-OFF, 2 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF	18	16,5	12/24





## Electrical Panels & Accessories

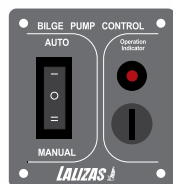
### Pump Switch

Lalizas Pump Switch allows you to operate your boat's bilge pump automatically, manually or even switch it off. It is water resistant, with indication light so that you know when the device is operating. The Lalizas Pump switch is made of Inox 316 for durability and lifetime protection against corrosion. It is available in charcoal colour.

BEST  
VALUE

2  
YEARS  
GUARANTEE

INOX  
316

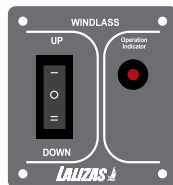


#### Features

- Auto-Off-Manual switch
- For use only in 12/24V. Maximum load per switch 15A
- Coated with electrostatic paint
- Completely wired and ready to install
- Two years Warranty

Code	Function	Dimensions (cm)		Colour	Voltage (V)
		Height	Width		
31301	Auto-Off-Manual	7	6,5	Charcoal	12-24

BEST  
VALUE



### Panel mount windlass switch 2"x3", 15A

#### Features

- MON-OFF-MON switch
- For use only in 12/24V. Maximum load per switch 15A
- Coated with electrostatic paint
- Completely wired and ready to install

Code	Function	Dimensions (cm)		Colour	Voltage (V)
		Height	Width		
99693	MON-OFF-MON	7	6,5	Black	12-24

BEST  
VALUE



Switch key for switch panels ON-OFF

Code... 31391

BEST  
VALUE



Switch panel key w/ manual on & auto off MON-OFF

Code... 70588

BEST  
VALUE



Switch Key, ON-OFF-ON, 12V/24V

Code.... 70956

BEST  
VALUE



Switch Key, ON-OFF-MON, 12V/24V

Code.... 70957

BEST  
VALUE

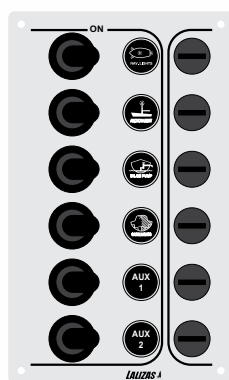
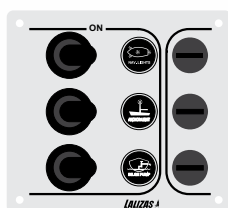


Fuse holder, w/ fuse, 10A, 250V

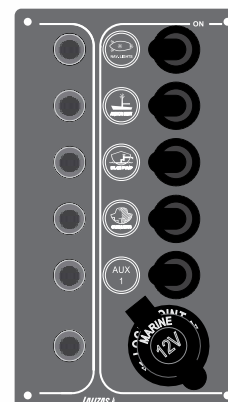
Code.... 70959

Electrical

BEST  
VALUE



BEST  
VALUE



### Switch Panels "SP Economy"

Lalizas Switch Panels "SP Economy" have been especially designed for use on small and medium sized boats. They allow you to control any desired device, such as bilge pumps, navigation or cabin lights etc. Both switches and fuse holders are waterproof for protection against water. Switch Panels "SP Economy" are made of Inox 316 for durability and resistance to corrosion. They are available with 3 and 6 Toggle switches.

Code	Description	Colour	Switches	Dimensions (cm)		Voltage (V)
				Height	Width	
31380	"SP3 Economy"	Inox	2 ON-OFF, 1 ON-OFF-MON	9	10	12/24
31381	"SP6 Economy"	Inox	2 ON-OFF, 1 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF-MON	9	10	12/24

### Switch Panel, 5 waterproof switches & autom. fuses, 12V

- With charging socket
- Inox 316

Code	Switches	Dimensions (cm)		Voltage (V)
		Height	Width	
70990	2 ON-OFF, 1 ON-OFF-MON, 1 ON-OFF-ON, 1 MON-OFF-MON	17	10	12/24

BEST  
VALUE



Fuse holder, w/ fuse, 10A, 250V

Code.... 70959

BEST  
VALUE



Toggle Switch ON-OFF 2 Position

Code... 01888

BEST  
VALUE



Toggle Switch ON-OFF-ON 3 Position

Code... 01889

BEST  
VALUE



Toggle Switch MON-OFF-MON 3 Position

Code... 01890



Automatic thermal fuse, 10A

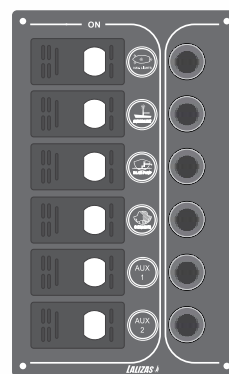
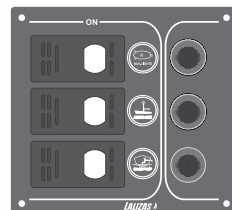
code... 31395

## Switch Panels "SP Offshore"

Lalizas Switch Panels "SP Offshore" are mainly designed for exterior use on small and medium sized boats. They have waterproof switches with a LED bulb, indicating when switch is ON / OFF and automatic thermal switches, which Reset for protection against any reverse current. Switch Panels "SP Offshore" are made of Inox 316 for durability and resistance to corrosion and they are electrostatic painted in charcoal colour. They are available with 3 and 6 waterproof switches.

Code	Description	Colour	Switches	Automatic fuses	Dimensions (cm)		Voltage (V)
					Height	Width	
31384	"SP3 Offshore"	Charcoal	2 ON-OFF, 1 ON-OFF-MON	3	11	12	12
31385	"SP6 Offshore"	Charcoal	2 ON-OFF, 1 ON-OFF-MON, 2 ON-OFF-ON, 1 MON-OFF-MON	6	19,5	12	12

BEST  
VALUE



BEST  
VALUE

### Switch 15A waterproof, with LED light

Code	Positions	Switch
99726	4	ON-OFF
99728	6	ON-OFF-MON
99729	6	MON-OFF-MON
99730	6	ON-OFF-ON

NEW

BEST  
VALUE



Self-adhesive transparent  
function labels for 99726,  
99728-30 - 25pcs Set

Code... 71208



BEST  
VALUE

### Automatic thermal fuse, 10A

Code... 31395



### Self-adhesive function labels for switch panels - set of 24pcs

These labels are ideal for use with the Lalizas Switch panels. They are very simple to mount, easy to read and they are made to withstand long-term use. Each set includes 24 labels.

#### Instructions of use

First clean the surface with pure alcohol. Remove the back paper of the label. Attach the latter to the cleaned surface by slightly pressing it. During wintertime, first warm up the top of the labels, using a hairdryer, before applying.

Code.....11497



BEST  
VALUE

## Switch Panel Base, with switch & fuse

The Switch Panel Base is made of hard plastic and is designed to fit in small and medium size boats. Switches on the panel include LED lights to indicate that the electrical devices on your boat receive electricity. The switches are covered with a plastic, waterproof cover to protect them from UV radiation, water and salt. Fuse holders (31392) on the panel hold 6,3A fuses and have a maximum load of 10A. The fuses are made of polymer PTC, which stops electricity-flows in case of a short circuit. The switch panel base is combined with the frames 70581, 70584 & 70587 to meet your needs for 3, 6 or 9 switches on the central panel of your boat. It is supplied with functional labels, which indicate the type of device that each switch controls and in black colour.

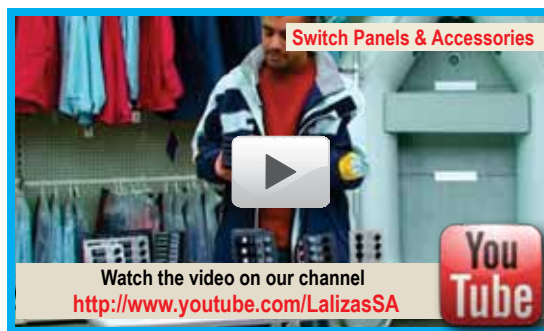
#### Additional features:

- ON-OFF switches
- For use only in 12/24V DC
- Maximum load 10A
- Completely wired and ready to install



BEST  
VALUE

Code	Colour	Switches	Voltage (V)
70578	Black	3 ON-OFF	12/24



Switch Panels & Accessories

Watch the video on our channel

<http://www.youtube.com/LalizasSA>

You  
Tube

### Switch Panel Frame

Switch panel frames are made of hard plastic and are combined with the 70578 base. These frames hold one (70581), two (70584) or three (70587) switch panels which gives you the option to have three six or nine switches in line. They are available in black colour.

Code	70581	70584	70587
Description	Single	Double	Triple
Colour	Black		
Length	9,5cm	18,5cm	27cm
Width	10cm		



BEST  
VALUE



BEST  
VALUE

Switch key for switch  
panels ON-OFF

Code... 31391

BEST  
VALUE

Switch panel key w/  
manual on & auto off  
MON-OFF

Code... 70588

BEST  
VALUE



Function labels for switch  
panels (24pcs)

code... 70589

Electrical

## Electrical Panels & Accessories

### Switch Panel with Conventional switches

"LPS 4" has been designed for the control of various electrical items on a boat from one position. It is a four-switch panel, available in four combinations of switches (ON-OFF, ON-OFF-ON, MON-OFF-MON) and can be combined with more panels of the same kind to cover many applications. LED lights, resettable PTC fuses are important features.

#### Additional features

- Durable UV - water and salt resistant switches - protected by high-quality neoprene rubber boots
- Solid state re-settable PTC fuses - LED lights
- Covered bolts and screws - available in black colour

Code	Description	Colour	Switches	Fuses	Size in cm			Voltage (V)
					Height	Width	Thickness	
31180	"LPS-401"	Black	ON-OFF	Polyfuse	10	10	1	12
			ON-OFF					
			ON-OFF					
			MON-OFF-MON					
			ON-OFF-ON					
			ON-OFF-ON					
			ON-OFF					
31182	"LPS-402"		MON-OFF-MON					
			ON-OFF-ON					
			ON-OFF-ON					
			ON-OFF					
31184	"LPS-403"		MON-OFF-MON					
			ON-OFF-ON					
			ON-OFF-ON					
			ON-OFF					
31186	"LPS-404"		ON-OFF					



**Toggle Switch  
ON-OFF  
2 Position**  
Code.... 01888

**BEST VALUE**



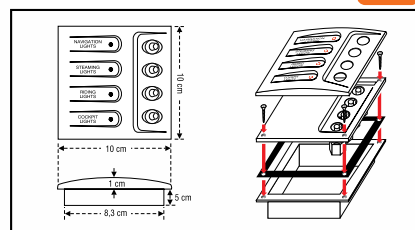
**Toggle Switch  
ON-OFF-ON  
3 Position**  
Code.... 01889



**Toggle Switch  
MON-OFF-MON  
3 Position**  
Code.... 01890



**1  
YEAR  
GUARANTEE**



## Fuses Blocks & Fuses

Electrical

**BEST VALUE**



**Automatic thermal  
switch, 10A**  
Code... 31395

**BEST VALUE**



**Fuse holder, w/ fuse,  
10A, 250V**  
Code.... 70959

**BEST VALUE**



**Fuse for switches**

Code	71005	71006
Amps	10	15

## Plugs & Sockets

### Marine Plug and Socket Set 12V

The Marine Plug and Socket Set is ideal for all devices that require electrical power to operate, such as mobile phones, flashlights etc. Made of a corrosion proof Nylon material, it is equipped with a built-in 10A fuse and a luminous LED power indicator light. The Lalizas Plug and Socket set features a watertight cap to prevent water intrusion and an interconnecting system that securely locks the plug into the socket. It is suitable for use only in 12V DC and is available in black.

Code..... 31306



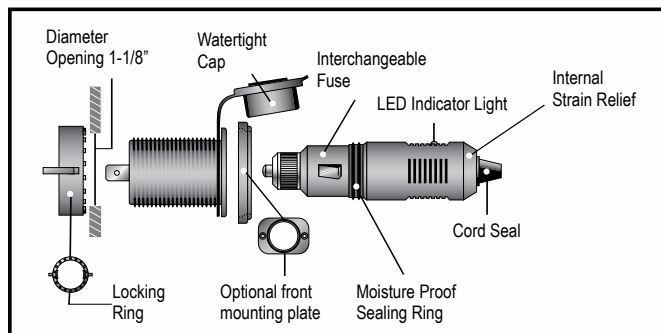
**SEA  
POWER**



**Marine Plug,  
12V / 10A**  
Code..... 31350

### Triple 12V/24V Outlet Supply, Sea Power

The SeaPower Triple Deck Cable Connector will operate in both 12V and 24V voltages. It is ideal when 3 electrical devices need to be used simultaneously. All the metal parts, including the screws, are made of stainless steel, which makes the connector ideal for the marine environment.



**Marine Terminal  
Socket, 12V / 10A**  
Code..... 31307



Code.....31353

**SEA  
POWER**



**Plug, male, 16A,  
220-240V, blue**  
Code... 90394



**Plug, female, w/ cover,  
16A, 220-240V, blue**  
Code... 90395



**Plug, female, w/  
safety cover, 16A,  
220-240V, blue**  
Code... 90396





Plug, male, w/ safety ring  
16A, 220-240V, blue

Code... 90397



Cord Set w/ female plug 16A &  
Schuko Connector 16A, 220-240V,  
4,5m cable, blue

Code... 90398

## Switches



Switch key for switch  
panels ON-OFF

Code... 31391



Switch panel key w/  
manual on & auto off  
MON-OFF

Code... 70588



Switch Key, ON-OFF-ON,  
12V/24V

Code.... 70956



Switch Key, ON-OFF-MON,  
12V/24V

Code.... 70957



Switch 15A waterproof,  
with Led light

Code	Positions	Switch
99726	4	ON-OFF
99728	6	ON-OFF-MON
99729	6	MON-OFF-MON
99730	6	ON-OFF-ON



Toggle Switch ON-OFF  
2 Position

Code... 01888



Toggle Switch ON-OFF-ON  
3 Position

Code... 01889



Toggle Switch MON-OFF-MON  
3 Position

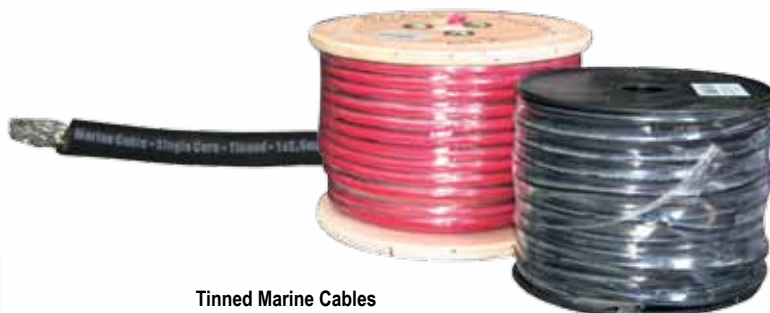
Code... 01890



Toggle Switch, ON-OFF-MON,  
12V/24V

Code.... 70958

## Marine Cables



Tinned Marine Cables

Code	Description	Sectional Area (mm <sup>2</sup> )	Temperature (°C)	Overall Diameter (mm)	Meters per / Reel	Uses
70351	Marine Cable, Single core, Tinned, 1x1,5mm <sup>2</sup> , black	1,5	≤ 105	3	100	Indoor & Outdoor Lighting / Navigation Lights
70352	Marine Cable, Single core, Tinned, 1x1,5mm <sup>2</sup> , red	1,5		3	100	
70353	Marine Cable, Single core, Tinned, 1x2,5mm <sup>2</sup> , black	2,5		3.6	100	
70354	Marine Cable, Single core, Tinned, 1x2,5mm <sup>2</sup> , red	2,5		3.6	100	
70355	Marine Cable, Single core, Tinned, 1x6mm <sup>2</sup> , black	6		4.8	100	Medium Load Appliances / e.g Refrigerator
70356	Marine Cable, Single core, Tinned, 1x6mm <sup>2</sup> , red	6		4.8	100	
70357	Marine Cable, Single core, Tinned, 1x10mm <sup>2</sup> , black	10		9	50	
70358	Marine Cable, Single core, Tinned, 1x10mm <sup>2</sup> , red	10		9	50	
70359	Marine Cable, Single core, Tinned, 1x16mm <sup>2</sup> , black	16		10.5	50	Battery connections / Anchor Winch Supply
70360	Marine Cable, Single core, Tinned, 1x16mm <sup>2</sup> , red	16		10.5	50	
70361	Marine Cable, Single core, Tinned, 1x25mm <sup>2</sup> , black	25		12.5	50	
70362	Marine Cable, Single core, Tinned, 1x25mm <sup>2</sup> , red	25		12.5	50	
70363	Marine Cable, Single core, Tinned, 1x35mm <sup>2</sup> , black	35		13.5	50	
70364	Marine Cable, Single core, Tinned, 1x35mm <sup>2</sup> , red	35		13.5	50	
70365	Marine Cable, Single core, Tinned, 1x50mm <sup>2</sup> , black	50		15.5	30	
70366	Marine Cable, Single core, Tinned, 1x50mm <sup>2</sup> , red	50		15.5	30	
70367	Marine Cable, Single core, Tinned, 1x70mm <sup>2</sup> , black	70		17.5	30	
70368	Marine Cable, Twin core, two core, Tinned 2x1,5mm <sup>2</sup> , black	1,5		8.5	100	Small loads / e.g. Lighting, small bilge pumps
70369	Marine Cable, Twin core, Tinned 2x2,5mm <sup>2</sup> , black	2,5		10	100	

## Wiring Accessories

Packing



Ring Connector

Code	Colour	Diameter (mm)	For wire (mm²)	Packing (pcs)
70465	Red	4,3	0,25 - 1,15	50
70466		5,3		40
70467	Blue	4,3	1 - 2,5	40
70468		5,3		35
70469		6,4		25
70470	Yellow	5,3	2,5 - 6	15
70471		6,4		15

NEW

Butt Connector



Code	Colour	For wire (mm²)	Packing (pcs)
70489	Red	0,25 - 1,15	30
70490	Blue	1 - 2,5	25
70491	Yellow	2,5 - 6	13

Multi - Stack Connector

Code	Colour	For wire (mm²)	Packing (pcs)
71240	Red	0,25 - 1,15	20
70484	Blue	1 - 2,5	20

Fully Insulated Disconnect - Double Crimp



Code	Colour	For wire (mm²)	Packing (pcs)
70481	Red	0,25 - 1,15	20
70482	Blue	1 - 2,5	20
70483	Yellow	2,5 - 6	15

Flanged Space Connector



Code	Colour	Diameter (mm)	For wire (mm²)	Packing (pcs)
70485	Red	4,3	0,25 - 1,15	50
70486	Blue	4,3	1 - 2,5	40
70487		5,3		35
70488	Yellow	5,3	2,5 - 6	20

Disconnect - Double Crimp



Code	Colour	For wire (mm²)	Packing (pcs)
70475	Red	0,25 - 1,15	65
70476	Blue	1 - 2,5	45
70477	Yellow	2,5 - 6	25

Snap Plug female



Code	Colour	For wire (mm²)	Packing (pcs)
70492	Red	0,25 - 1,15	20
70493	Blue	1 - 2,5	20
70494	Yellow	2,5 - 6	15

Pin Terminal



Code	Colour	For wire (mm²)	Packing (pcs)
70472	Red	0,25 - 1,15	40
70473	Blue	1 - 2,5	35
70474	Yellow	2,5 - 6	15

Disconnect - Funnel Entry



Code	Colour	For wire (mm²)	Packing (pcs)
70478	Red	0,25 - 1,15	55
70479	Blue	1 - 2,5	45
70480	Yellow	2,5 - 6	25

Snap Plug Male



Code	Colour	For wire (mm²)	Packing (pcs)
70495	Red	0,25 - 1,15	50
70496	Blue	1 - 2,5	45
70497	Yellow	2,5 - 6	25

## Interior Lights

BEST VALUE



Code.....99672

**Dome light plastic 3 position switch, 12V, 6W bulb, 14 x 3,7cm**  
Plastic dome light especially designed for exterior / interior environment. Contains a 6W bulb and a 3 position switch available in 3 combinations ON for usual light / OFF / ON for the night-light (red).

Dome light



Code	Diam. (mm)	Base	Voltage (V)	Watt	Bulb Colour
99052	110	Stainless Steel	12	15	White
99539	140				
99540	170	Brass Chromed		25	
99541		Stainless Steel			
99542		Brass Chromed			
98709		Stainless Steel			White/Red

Fixed Spreader Light

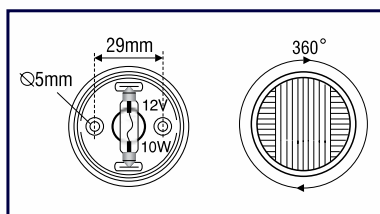


30068



30078

Code	30068	30078
Housing	Black	White



**Blister Bulb**  
12V/10W,  
SV8.5-8, C8I, 39mm  
Code.....30610



**Bulb 12V/10W,**  
SV8.5-8, C8I, 39mm  
Code.....00568



**Bulb 12V, LED, T11 39mm,**  
cool white - 2x4 LEDs 360°  
Code.....71227

NEW



# ADVISOR

In addition to Navigation and Signal lights, internal and external lights are ideal for lighting various areas of your boat. They are used for deck lighting, cabin and berth lights. LED lights are also available in red for chart tables and safety lighting at night. Lalizas offers two lights for such purposes, the LED and the Interior / Exterior Lights. The LED light is fitted with 4 small LED bulbs, while the Interior / Exterior light uses a 10W festoon bulb. Both lights operate at 12V. Easy to fit, both models are made of UV resistant ABS polycarbonate for durability and long life and are available in various cover colours to harmonise with your boat.

**Mounting:** Lalizas Interior and Exterior Lights are simple to fit to your boat by following these basic instructions:

1. Cut the correct size hole and drill pilot holes to the screws
2. Connect the electrical cables (See fig 1)
3. Fasten the light to the bulkhead, using the three fixing screws (See fig 2)
4. Finally, snap on the outer cover of the light (See fig 3)

**Maintenance / Replacement:** Interior and Exterior lights need no special maintenance. In case the lights do not operate check the bulb and connections to the main circuit. Replace the bulb if necessary.



## Interior / Exterior Lights

These lights are designed for use in both the internal and external areas of your boat. The waterproof housing is made of tough, UV resistant Nylon, the lens is polycarbonate. These lights give a strong white light by means of a 12V/5W bulb, which is easily replaceable. The installation is simple, as they are pre-wired. Lalizas Interior / Exterior Lights are available in four colours black, white, chrome and brass, so that you can choose the one most suitable for your boat.



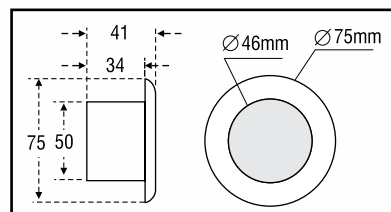
31113

31123

31133

31143

Code	31113	31123	31133	31143
Housing	White	Black	Chrome	Bronze



Bulb 12V/5W,  
SB8.5-8, C81, 39 mm  
Code.....01726

Bulb 12V, LED, T11 41mm,  
cool white - 4 LEDs  
Code.....71234

NEW

## LED Lights

### Led Lights

Lalizas have designed a range of water resistant LED lights suitable for interior and exterior use - cockpit, emergency, illumination, cabinet, map reading, etc. They are made of ABS Polycarbonate PC and they feature four LED bulbs. They are available in two light versions (white and red) and they come in four different cover options (white, black, chrome and brass). **Material:** ABS-Polycarbonate PC impact resistant-sunlight UV protected **Source of light:** 4 LEDs (red or white) **Installation:** prewired, including 120 mm connection lead **Protection System:** IP 67 to DIN 40060 **Operating Voltage:** 12V **Luminous intensity:** 4 cd **Power Consumption:** 35mA.



30722

30723

30732

30733

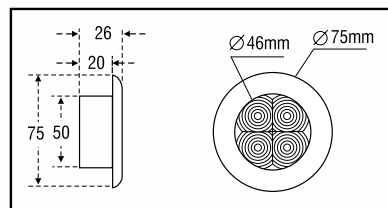
30742

30743

30752

30753

Code	30722	30723	30732	30733	30742	30743	30752	30753
LED	Red	White	Red	White	Red	White	Red	White
Housing	White		Black		Chrome		Brass	



SEA POWER



### Dome Light, LED, with movement & light sensor, 4AA

**Material:** ABS  
**Bulb Type:** 6 LED  
**Batteries:** 4AA  
Automatically Activated by an Infrared Sensor  
Code.....70016



### Dome Light LED

Code	LEDs	Voltage (V)	Colour	Dimensions (mm)
70672	6	12 & 24	White	75 x 18
70673			Chrome	
70674	54	12	White	143 x 38
70675		24	Chrome	
70676				

SEA POWER



### Wireless Mini Dome Light Push On-Off, LED, Sea Power

The Sea Power Mini Dome Light is ideal for boats, automobiles, homes, workshops, etc. This Wireless Light can be easily turned ON or OFF by pressing the middle. It is available in silver, with white LED Light and it has been approved according to CE standards. **Material:** PS, Polystyrene, **Product Size:** Diam. Approx. 7cm. Powered by 3x Micro LR 3 AAA batteries (batteries are not included).

Code.....31408

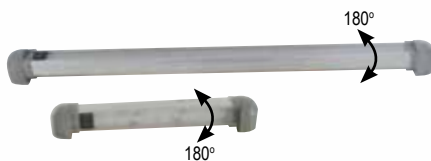


## LED Lights



Stripe Light, LED, white (2 pcs)

Code	LEDs	Length (cm)
70680	6	15
70681	15	40



Swivel lamp, LED, 12V & 24V

Code	LEDs	Colour	Dimensions (mm)
70684	9	Chrome	225 x 35 x 33
70685	30		470 x 35 x 33



Exterior Light, LED, 12V & 24V

Code	LEDs	Colour	Dimensions (mm)
70682	3	White	90 x 32 x 20
70683		Chrome	



Dome Light / Trailer Light, 2 LEDs, 12V & 24V, black (2 pcs)

15 lumen, Dimensions: 77x36x21mm

Code.....71237



Dome Light / Trailer Light, 12 LEDs, 12V & 24V, black (2 pcs)

90 lumen, Dimensions: 104x60x26mm

Code.....71235



Dome Light / Trailer Light, 25 LEDs, 12V & 24V, black

187,5 lumen, Dimensions: 200x58x30mm


Code.....71236


## Bulbs

	Bulb Code	Volt-Watt	Dimensions (mm)	BASE TYPE						FILAMENT TYPES				
				BA9S	SV8.5-8	E 10	BA15D	BA15S	BAY15D	C-2R	C-6	C-6U	C-81	CC-81
	00438	12V - 25W	15 x 65											
	30570*													
	00439	24V - 25W	25 x 67											
	30580*													
	02126	24V - 10W	25 x 67											
	31358*													
	00440	12V - 10W	15 x 65											
	30590*													
	00386	12V - 10W	11 x 41											
	30600*	41mm												
	00568	12V - 10W	11 x 38											
	30610*	38mm												
	01726	12V - 5W												
	01311	0,5V - 2,5W	15 x 8											
	01113	6V - 3W												
	30890*	4,8V - 3,6W	9 x 28											
	00757													
	30650*													
	00453	1,1V - 0,33W	9,5 x 23											
	30640*													
	00420	12V - 10W	15 x 34											
	30630*													
	01184	12V - 5W	10 x 29											
	30940*													
	01490	12V - 10W	25 x 50											









\*Blister


## HALOGEN BULBS

	Code	Volt-Watt	Dimensions	Base Type		Filament Types	
				BA9S	G4	CC-81	C-6
	00377	12V - 20W	9 x 30mm	•	•		
	30620*						

	Code	Volt-Watt	Dimensions	Base Type		Filament Types	
	02020	12V - 20W	Ø 50mm	G 5.3		MR16/C	

## LED


	Code	LED / SMD	Colour	Volt - Lumen	Dimensions (mm)	BASE TYPE					
						BA9S	SV8.5-8	BA15S	BAY15D	G4	W2,1X9,2d
	71227	8 SMD (2x4)	Cool White	12V - 60	11 x 39		•				
	71228	18 LED		12V - 90	15 x 39			•			
	71229	4 SMD + 1 LED		12V - 37,5	9,2 x 29,5						•
	71230	36 LED		12V - 270	15 x 52,5				•		
	71231	21 LED		12V - 157,5	40 x 30 x 8,2					•	
	71232	4 LED PIRANHA		12V - 30	37 x 25 x 8,2					•	
	71233	4 SMD + 1 LED		12V - 37,5	9 x 25,5	•					
	71234	4 LED		12V - 30	11 x 41		•				

	Code	LED	Colour	Volt - Lumen	Dimensions	Base Type		Filament Types	
	71225	20	Cool White	12V - 150	Ø 50mm 48mm	G 5.3		MR16/C	

BEST  
VALUE



**LED Bulb, green,  
multiuse 10-28V DC**  
Code... 31386

	Code	SMD	Colour	Volt - Lumen	Dimensions	Base Type		Filament Types	
	71226	12	Cool White	12V - 90	Ø 35mm 38,5mm	G 4		MR11	

BEST  
VALUE



**LED Bulb, red,  
multiuse 10-28V DC**  
Code... 31387

## Spotlights



Code.... 31402

### Cordless Rechargeable Spotlight SPR, 6V/12V, 55W, 1.500.000CP

This is a powerful spotlight that will help you illuminate large areas with it's 1,500,000cd high intensity beam and 55W power. It can be operated on the included rechargeable battery or could be connected to an outlet for continuous use. Its sealed lead-acid batteries can be fully charged in 4 hours (DC current). The handle features a built-in switch and lock button for continuous operation or to avoid any accidental activation. It also has a small LED light with switch.

**Features:** 6V/12V 55Watt, 1.500.000CP, **Power Source:** AC adapter and cigarette plug charger, **Waterproof:** water resistant, **Battery:** 6V 4Ah sealed lead acid, **Approval:** CE



Code.... 31412

### Rechargeable Spotlight, 700.000CP, 6V/12V, 35W

This Rechargeable Spotlight SPR is ideal for marine, camping or for any other outdoor use. It has 700.000 candlelight capacity and 35 Watt power. It can be operated on the included 12V rechargeable battery or could be connected to a 12V outlet for continuous use. Its sealed lead-acid battery can be fully charged in 4 hours (DC current). There is a locking trigger switch that enables the following positions Lock ON/ OFF, Push ON/ OFF.

**Beam Strength:** 700.000CP; **Power Source:** 6V/12V, 35W; **Battery Type:** 6V 4Ah (sealed lead acid battery); **Bulb Fitting:** 35W halogen bulb; **Accessories included:** AC adapter and cigarette plug charging



Code..... 31309

### Portable Halogen Spotlight Sea Power

The Portable Spotlight Sea Power is ideal for use on boats, camping and generally in all areas and at all times that you need a powerful light. It features a rugged impact resistant housing made of robust ABS plastic material made to last in the marine environment. Equipped with an on-off switch on the handle for one-handed operation, the spotlight is very easy to use. It also features a coiled cable, which can be extended up to 2.8m and a universal cigarette lighter plug. The Portable Spotlight Sea Power is equipped with a 12V, 5A, 100W halogen bulb and a lens 127mm wide.



### Spotlight, 54 LEDs

Code	Voltage (V)	Dimensions (cm)	Colour
70677	12	125x125x38	Black
70678			White
70679	24		



## Utility Lights



### Utility Light Sea Power 12V / 10W

The Utility Light Sea Power is a simple solution to lighting your work area, cabin, the chart area on the boat, in the car or even in the camping site. Featuring a 12V/10W bulb, a reflector and a hook making it very easy to use. The Utility Light Sea Power is made of highly resistant plastic and is equipped with 4m cable and a cigarette lighter plug.

Code..... 31312





### Fluorescent Worklight Sea Power 12V / 8W

The Fluorescent Worklight is a must-have in your boat, car or camping site. It features a robust construction with plastic, resistant to spray and able to withstand temperatures from 10°C to 45°C. It is equipped with a 12V/8W fluorescent tube and it operates either by connecting it to the battery or to the cigarette lighter socket. With a 4.5m long cable, a hook and an upright supporting stand, the Fluorescent Worklight Sea Power can be used in almost all areas.

Code..... 31311

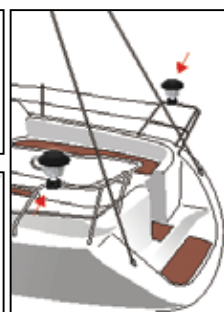


BEST  
VALUE

Code.....70988

### Rail Solar Light

- Plastic Case
- It has a rechargeable battery
- Suitable for 19.1mm-25.4mm boat rails
- The rails support is not detachable
- One Super Bright white LED
- 9000 – 14000mcd luminosity and current 40mA
- The solar panel consists of 4pcs of monocrystalline cells (epoxy sealed)
- Operating time more than 7 hours



## Flashlights

\* Batteries not included



### Flashlight, 4LEDs, 2AA

Material: Rubber  
Bulb Type: 4 LED  
Voltage: DC 3.0VIt  
Batteries: 2AA  
Waterproof  
Code.....70013



### Flashlight, 5LEDs, 4AA

Material: ABS  
Bulb Type: 5 LED  
Light Beam: 20m  
Batteries: 4AA  
Waterproof  
Suitable for diving  
Code.....70012



### Flashlight, 2D, aluminium, silver

Material: Aluminum  
Bulb Type: 6 LED & 1 Krypton / Xenon Bulb  
Working Hours: 20 hours of continuous use  
Lifetime of the LED: 100,000hrs  
Batteries: 2D  
Waterproof  
Shock resistant  
Code...70011

### Torch, LED, 2D, yellow

Material: ABS  
Bulb type: 9LED  
Volt: 2.4  
Amp: 0.5  
Batteries: 2D  
Waterproof Level: IP44  
Diameter: 55mm  
Length: 197mm  
Weight: 107.4gr  
Working Hours: 80

Code.....31370

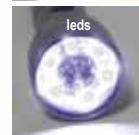


### Lantern, LED, 4AA

Material: ABS & PVC  
Bulb Type: 8 LED  
Life time of the LED: 80,000h  
Working Modes: 4LED/8LED  
Batteries: 4AA  
Code.....70015

### Flashlight, 3D, aluminium, silver

Material: Aluminum  
Bulb Type: 6 LED & 1 Krypton / Xenon Bulb  
Working Hours: Over 20 hours of continuous use  
Lifetime of the LED: 100,000hrs  
Batteries: 3D  
Waterproof  
Shock resistant  
Code...70009



### Caplight, LED, 2 x CR2032

Material: ABS  
Bulb Type: 5 LED  
Life time of the LED: 100,000hrs  
Working Modes: 1LED/3LED/5LED  
Batteries: 2xCR2032 (Lithium)  
Code.....70014



### Headlamp, LED, 3AAA

Material: ABS  
Bulb type: 8 LED  
Batteries: 3AAA  
Three working modes: 2LED / 4LED / 8LED / OFF  
Waterproof Level: IP44  
Diameter: 68mm  
Size: 30x77mm  
Weight: 95.3gr  
Code.....31371



## Navigation Lights & Accessories

### Navigation and signal lights

**What are navigation lights?** Lights, which during the night make clear the position and the direction of a boat. This will facilitate navigation and avoid collisions at sea.

**Types:** All boats, irrespectively of their size, should have four (4) types of navigation lights:

1. **Masthead lights:** These lights are placed on the mast and give continuous white light at an angle of 225°. Pole lights should be visible from a distance of 2 to 6 nautical miles, depending on the length of the boat.

2. **Side lights:** A set of two lights, which are placed on each side of the boat. A green light is placed on the right side (starboard) and one red on the left (port). Each should be visible at a 112.5° angle and from a distance of 1 to 3 nautical miles, depending on the length of the boat.

3. **Stern lights:** This light is placed on the stern of the boat and gives continuous white light at an angle of 135°. Depending on the length of the boat stern lights should be visible from a distance of 2 to 3 nautical miles.

4. **All round lights:** The lights in this category give white, red and green light at an angle of 360°. They are visible from a distance of 2 to 3 nautical miles, depending on the length of the boat.

**Categories:** Apart from the above division, Lalizas navigation lights are categorized according to the type or length of the boat.

- **12 meters:** The navigation lights of this category are especially designed for use on boats up to 12m

- **20 meters:** In this category the lights are intended for use on boats up to 20m

- **Pole lights:** These lights have their own categories, due to their diversity in design, in relation to other navigation lights

- **Powerboats:** Navigation lights, which are intended for powerboats have a separate category, since they have differences in design and construction compared to the rest of the lights

- **All round:** This category includes all signal lights

**Materials:** Lalizas have set very high quality standards in manufacturing these products. The outer shell of the navigation lights are either a mixture between Nylon and Plexiglas or ABS plastic, which are resistant to UV rays. Depending on the type and model, the lenses are made of Plexiglas (PMMA), polycarbonate or acrylic, in order to maintain longevity. The electrical contacts are either stainless steel or brass (new navigation lights). All models have nitrile water resistant seal to again provide a reliable and long life.

**The Regulations:** The regulation that applies to all navigation lights is the Collision Regulation '72, also known as COL.REG. 72. According to this, all vessels should show navigation and signal lights, in order to avoid collisions at sea. Although all countries commonly accept the COL.REG 72, each country sets its own requirements that are considered necessary. There may be more tests, such as vibration or water resistance tests and many more. Due to the variations from country to country and also to the fact that there is not a European Directive, manufacturers should have certifications from each country. Depending on the model, Lalizas navigation lights, are certified by countries such as Greece (E.E.P.), Italy (RINA), France (SN), UK (DOT), Netherlands (NMD), Australia (DOT), Spain (DGMM) and South Africa (DOT).

It is necessary to follow the regulations on the type, positioning and operation of the navigation lights on board, so that you are safe and at the same time meet the requirements set by the relevant countries.

### Internal & External Lights

Apart from Navigation and Signal lights we also offer a range of internal and external lights, suitable for cabin lighting, chart tables, companion ways, steps etc. For your convenience, Lalizas have designed a range of new LED lights and fixed spreader lights. The LED lights use four 12V, low current draw, LED bulbs, while the fixed spreader light includes a 12V 10W festoon bulb. Easy to fit, they are made of UV resistant, ABS and Polycarbonate to ensure high durability and longevity. They are available in various cover colours to match your boat.

## Use Of Signal & Navigation Lights

<b>Powercraft underway, less than 7m L.O.A., speed 7 knots Including yacht under power</b>		<b>Motor driven vessel less than 12m</b>	
Signal White Light 		Masthead Light - Vertical Mount Stern White Light Starboard Green Light Port Red Light 	
<b>Powercraft underway, less than 12m L.O.A. when masthead &amp; stern cannot be mounted</b>		<b>Motor driven vessels 12m up to 20m L.O.A.</b>	
Signal White Light Port Red Light Starboard Green Light 	Signal White Light Bi-Colour Light 	Masthead Light - Vertical Mount Stern White Light Bi-Colour Light 	Masthead Light - Vertical Mount Stern White Light Starboard Green Light Port Red Light 
<b>Sailing vessels less than 20m L.O.A.</b>		<b>Sailing vessels more than 20m L.O.A.</b>	
Signal Tri Colour Light 	Signal White Light Port Red Light Starboard Green Light 	Stern White Light Bi-Colour Light 	Signal Green Light Signal Red Light Stern White Light Starboard Green Light Port Red Light 
<b>Vessel at anchor, aground or at pier (jetty) from 12m aground</b>		<b>Restricted in manoeuvrability sailing and power boats more than 20m L.O.A.</b>	
2 Signal Red Lights - Vertical Mount Signal White Light 		2 Signal Red Lights Signal White Light 	
2 Signal Red Lights - Vertical Mount Signal White Light 		2 Signal Red Lights Signal White Light 	
<b>Not under command sailing and power boats more than 12m L.O.A.</b>		2 Signal Red Lights - Vertical Mount 	

# ADVISOR

According to the COL.REG. 72 all pole lights should be placed higher than the sidelights. Thus, it is easier for other boats to calculate their position in relation to yours and also your direction. Furthermore, a light positioned lower maybe obscured by other objects or people.

**Use:** The Lalizas range of pole lights includes telescopic, folding, plug in and fixed, thus meeting all requirements. This type of pole lights may be used on sailing boats less than 20m (tri colour) or on powerboats less than 12m (white), instead of small all round lights.

**Instructions of Use:** 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. The length of Lalizas pole lights varies between 23cm to 130cm.

**Maintenance:** All Lalizas products are constructed with high quality standards. Nevertheless, regular maintenance will prolong the working life of your navigation lights.

So Lalizas suggests that you regularly:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal and if necessary replace it
- Clean the contacts and spray them with a product that protects electrical contacts

**Replacement:** All navigation lights should be replaced when the lenses change colour or you notice any cracks on the casing, the crystal or the pole.

## Pole Lights

Made of marine grade stainless steel 316 tubing with ABS plastic, polycarbonate lens and nitrile O ring sealed light and a fibre nylon mix base. Available in five lengths, folding, telescopic or fixed mount with an all round white or tri colour lens.

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



### Folding Triple Combination Light

The folding triple combination light has been designed for use in Greek waters. It includes three signal lights 'Classic S12', two of which are red, for use when the boat is not under command and a white one on the top for anchoring or navigation use, depending on the situation. The lights, approved for boats under 12m, are manufactured with a base from tough UV stabilised ABS plastic and shatter-proof acrylic lens, non magnetic stainless steel electrical contacts and a nitrile water resistant seal. The pole is constructed from either INOX 316 (31398 & 31270) or hard plastic (70216 & 70217). All three lights are supplied with 12V / 10W bulbs.

#### Pole from hard plastic

Code	70216	70217
Pole Length	36cm	64cm

#### Pole from INOX 316

Code	31398	31270
Pole Length	36cm	64cm



### Plug in white light, 130cm

Based on Lalizas' popular pole lights, this Lalizas light features a much improved plug in base unit. This increase in structural strength has allowed us to offer a longer pole with no risk of accidental damage. The light is manufactured from ABS plastic, polycarbonate lens and a nitrile "O" ring. It is 130 cm long.



**Blister Bulb**  
12V/10W,  
BA15S, C2R  
Code....30630



**Bulb**  
12V/10W  
BA15S, C2R  
Code....00420



**Bulb 12V, LED, T18 BA15S,**  
cool white - 18 LEDs  
Code...71228



**Base for Plug in**  
**"Economy" Light Black**  
Code.....31160



#### Base for plug in light

Code	31020	31030
Colour	Black	White



### Fixed Lights

Code	30183	30194	30303	30314
Description	White	Tri Colour	White	Tri Colour
Base	Black		White	

### 'Economy' Pole Lights

The 'Economy' range is a more economic pole light, without however suffering on the technical characteristics. The lower part of the light is black and made from polypropylene with UV protection. The lens is white and it is made from the same material as the lower casing. The steel pole is covered with black electrostatic paint and has a diameter of 19 mm. Like all Lalizas pole lights, 'Economy' are available in folding, telescopic and plug in configurations. The height of the 'Economy' pole lights varies in 23, 54, 64, or 105cm.



Equip your boat with the Lalizas Plug in Pole for Flags. For more information on the Lalizas Plug in Pole for Flags see page 88



### Pole light storing bases

Single and twin clip brackets designed to store pole lights and/or pole for flag.

Code	30380	30381	30390	30391
Bases	2		1	
Colour	Black	White	Black	White



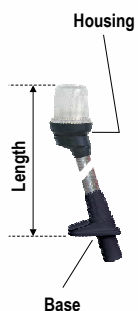
Use the single or twin storing bases to store securely your plug in pole lights when not in use.






## Navigation Lights & Accessories

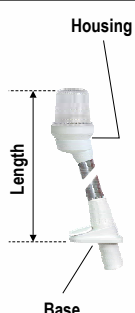
### All round Pole lights white (Black housing)

Housing	Telescopic		Plug in		Folding	
Base						
Length	54cm	54cm	105cm	130cm	23cm	64cm
Code	30143	30163	30243	30263	30173	30153






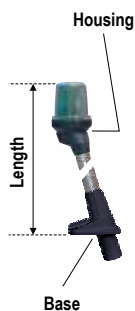
### All round Pole lights white (White housing)

Housing	Telescopic		Plug in		Folding	
Base						
Length	54cm	54cm	105cm	130cm	23cm	64cm
Code	30273	30293	30333	30353	30763	30283






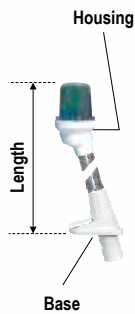
### Tri colour light (Black housing)

Housing	Telescopic		Plug in		Folding	
Base						
Length	54 cm	54 cm	105 cm	23 cm	64 cm	
Code	30224	30234	30254	30214	30204	






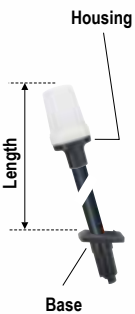
### Tri colour light (White housing)

Housing	Telescopic		Plug in		Folding	
Base						
Length	54 cm	54 cm	105 cm	23 cm	64 cm	
Code	30794	30324	30344	30784	30774	



### All round Pole lights white "Economy" (Black housing)

Housing	Telescopic		Plug in		Folding	
Base						
Length	54 cm	54 cm	105 cm	23 cm	64 cm	
Code	30973	30953	30963	30983	30993	



# ADVISOR

## All Round Lights

All round lights signal your position and actions or situation, so that other boats in the area may determine your position and direction. Also, depending on the colour combination and their configuration, signal lights indicate various situations, e.g. two red lights in vertical order mean - not under command.

**Use:** An all round white light is used on powerboats under 7m in length or in combination with sidelights in boats under 12m in length. In sailboats up to 20m a tricolour all round light can be used instead of three separate lights. Also, if the tri-colour is not used, but the boat still needs to show navigation lights, one red over one green all round may be placed on the mast.

**Instructions of Use:** All round lights are screw mounted on the mast, as high as possible. All round lights are connected to the central or auxiliary circuit.

**Maintenance:** Lalizas all round lights are manufactured to withstand shocks and weather conditions. Nevertheless, in order to prolong their active working life, Lalizas suggests that you regularly:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal and if necessary replace it
- Clean the contacts and spray them with a suitable spray protectant.

If the lights stop operating, check the bulb and the connection to the circuit

**Replacement:** All navigation lights should be replaced when the lenses change colour or you notice any cracks on the casing or the crystal.

Approved for vessels up to 12m by: **R.I.N.A** **I** **DOT** **AUS.** **ECP** **GR** **DGMM** **ES** **DOT** **UK** **DOT** **S.A.** **SN** **F** **NMD** **N**



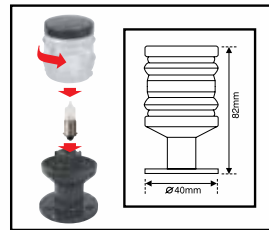
S12: All-round "Junior" White Pedestal Light  
N12: All-round "Junior" Tri-Colour Pedestal Light

Code	30803	30804	30813	30814	30903	30904
Model	S12	N12	S12	N12	S12	N12
Housing	Black		White		Chrome	

## "Junior N12 & S12" Lights

These all round pedestal lights are designed for sailboats under 12m. These lights are much smaller in size without detracting from good design and good operating function. The pedestal fitting gives a firm attachment to the boat. Durability and longevity are ensured through the high quality construction standards of Lalizas.

- **Material:** Nylon fibre mix housing. Shatterproof polycarbonate lens
- **Seal:** Nitrile water resistant
- **Luminous intensity:** 5cd
- **Contacts:** Brass
- **Bulb:** 12V / 5W
- **Minimum visibility distance:** 2 nautical miles



**Blister Bulb**  
12V/5W,  
BA9S, C2R  
Code.....30940



**Bulb**  
12V/5W,  
BA9S, C2R  
Code.....01184

NEW

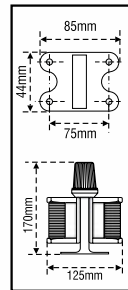
**Bulb 12V, LED, BA9S, cool white - 4SMDs+1LED**  
Code.....71233



	Tri-colour comb. light white, port & starboard		Four colour comb. light white, bi-colour & stern	
Code	30429	30449	30439	30459
Housing	Black	White	Black	White

## Combination lights

The Tri-colour version (30429/39) features all around white port and starboard, while the four colour version (30449/59) features all around white, stern and a bi-colour. 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.



## Spare bulb for navigation lights

**Blister Bulb**  
12V/10W, SV8.5-8, C8I, 41 mm  
Code.....30600



**Bulb**  
12V/10W, SV8.5-8, C8I, 41 mm  
Code.....00386



**Bulb 12V, LED, T11 41mm, cool white - 4 LEDs**  
Code.....71234

## Spare bulb for all round lights

**Blister Bulb**  
12V/10W, BA15S, C2R  
Code.....30630



**Bulb**  
12V/10W, BA15S, C2R  
Code.....00420



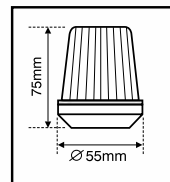
**Bulb 12V, LED, T18 BA15S, cool white - 18 LEDs**  
Code.....71228



Code	30111	30112	30113	30114	30133
Description	White	Green	Red	Tri-colour	White
Housing	Black				White

## "Classic S12" Lights

This 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.



## Spare bulb for all round lights

**Blister Bulb**  
12V/10W, BA15S, C2R  
Code.....30630



**Bulb**  
12V/10W, BA15S, C2R  
Code.....00420

NEW

**Bulb 12V, LED, T18 BA15S, cool white - 18 LEDs**  
Code.....71228



**Bulb 12V/10W, BA15D, C6**  
Code.....01490

## "Economy" Lights

The white signal light "Economy" belongs to the "economy" group of signal lights. It combines an economic price with a good standard of technical characteristics. The lower part of the light is black and made of highly resistant plastic with UV protection. The lens is in white, made of the same material as the lower casing. The light is mounted on the boat with three screws, while the wires are connected to the main circuit by cutting a hole underneath.

Code.....31003

## Navigation Lights & Accessories

### ADVISOR

### Lights for boats up to 12m

This category includes all navigation lights that are designed and constructed according to the requirements of 12m long boats. The various groups of this category include all round lights stern, side and masthead lights.

**Use:** Navigation lights should always be lit from sunset to sunrise. Sailboats should show sidelights and stern light when they are under sail, while when motor driven they should show a masthead light in addition to the rest. Furthermore, depending on the design of the boat, sidelights can be combined into one bicolour light, which is also available from Lalizas. For sailboats less than 12m, a tricolour light may be used instead of all the others.

**Instructions of Use:** The navigation lights in this category can be mounted either vertically or horizontally (tricolour), in relation to the deck and they are connected to the central and auxiliary circuit. They are mounted on the surfaces with screws or rawl plugs ('FAROS'). Navigation lights with rawl plug have the advantage that they are much easier to mount and you only need to open one hole. Furthermore, the 'FAROS', 'JUNIOR' and 'EYE' ranges are provided with a two sided adhesive tape and flange, which by sticking it on the surface you know exactly where to open the hole and the flange is already in the correct place. Navigation lights should not be put under any kind of strain. All lights should be positioned in such a place, so as to conform to the regulations.

**Maintenance:** Lalizas 12m navigation lights are manufactured in such a way, so as to withstand shocks and weather conditions. Nevertheless, in order to prolong their proper operation Lalizas suggests that you regularly:

- Spray the lights with a silicone spray to protect the casing
  - Check the nitrile water resistant seal, and if necessary replace it
  - Clean the contacts and spray them with a product that is only for electrical contacts
- In case the lights stop operating check the lamp and the connection to the circuit

**Replacement:** All navigation lights should be replaced when the lenses change colour, or when you notice cracks on the casing or the crystal.

### "Classic N12" Lights

The "Classic N12" 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.

Approved for vessels up to 12m by:

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



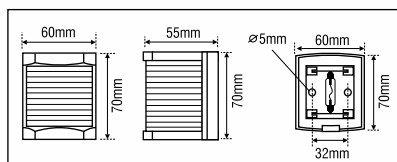
**Blister Bulb**  
12V/10W,SV8.5-8,  
C8I, 41 mm  
Code....30600



**Bulb**  
12V/10W, SV8.5-8,  
C8I, 41 mm  
Code....00386



**Bulb 12V, LED, T11 41mm,  
cool white - 4 LEDs**  
Code....71228

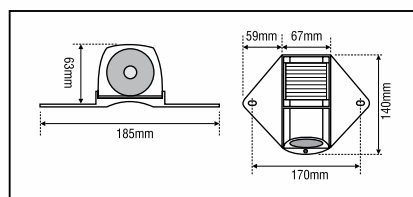


Code	30091	30092	30093	30094	30095
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	Black				

Code	30101	30102	30103	30104	30105
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	White				

### Combination Masthead & Deck Lights

Made of tough UV stabilized ABS plastic, it combines a highly visible masthead light with a bright deck light. The 20W deck bulb provides ample illumination for foredeck chores. Includes universal mast mount and is available in black and white colour.



Code	30489	30499
Housing	White	Black



30499



30489

### Spare bulb for Masthead light



**Bulb 12V, LED, T11 41mm, cool white - 4 LEDs**  
Code....71228

**Blister Bulb**  
12V/10W,SV8.5-8,  
C8I, 41 mm  
Code....30600



**Bulb**  
12V/10W, SV8.5-8,  
C8I, 41 mm  
Code....00386

### Spare bulb for Deck light

**Blister Bulb**  
12V/20W,  
BA9S, C-6U  
Halogen  
Code....30620



**Bulb**  
12V/20W,  
BA9S, C-6U  
Halogen  
Code....00377



**Bulb 12V/20W,  
MR 16/C Halogen**  
Code....02020

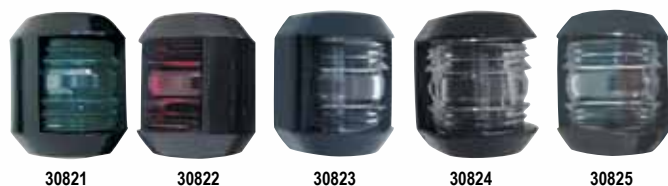


**Bulb 12V, LED, MR16,  
cool white - 20 LEDs**  
Code....71225

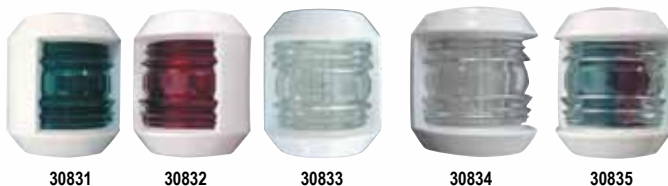


## “Junior N12” Lights

The “Junior” Navigation Lights are also designed for vessels up to 12m length. They are very easy to mount and their small size makes them very discreet but without compromising their effectiveness. The “Junior” range covers all types of the required navigation lights. **Material:** Nylon fibre mix housing. Shatterproof plexiglas (PMMA) lens. **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous Intensity:** 5cd. **Minimum Visibility Distance:** 2 nautical miles. “Junior” navigation lights are available in white, black or chrome.



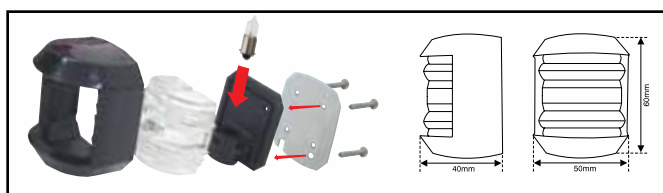
Code	30821	30822	30823	30824	30825
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	Black				



Code	30831	30832	30833	30834	30835
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	White				



Code	30911	30912	30913	30914	30915
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	Chrome				



**Blister Bulb**  
12V/5W,  
BA9S, C2R

Code.....30940



**Bulb**  
12V/5W,  
BA9S, C2R

Code.....01184



**Bulb 12V, LED, BA9S,**  
cool white - 4SMDs+1LED

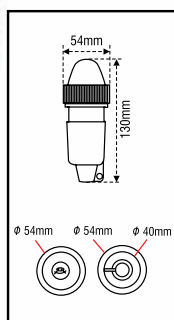
Code....71233



Electrical



Code	30001	30002	30003	30010
Description	Green	Red	White	Set



## “Emergency” Navigation Lights

“Emergency” waterproof 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.

**Blister Bulb**  
1,1V/0,33W,  
E10, C2R

Code.....30640



**Bulb**  
1,1V/0,33W,  
E10, C2R

Code.....00453

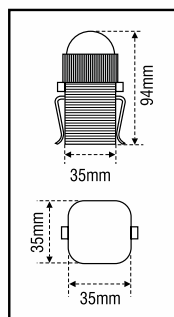


**Blistered La-  
lizas Alkaline  
Batteries D**

1,5V, 2pcs  
Code.....31339



Code	30021	30022	30023	30030
Description	Green	Red	White	Set



## “SOS” Navigation Lights

The “SOS” waterproof 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. “SOS” navigation lights are available with internal light reflectors and use standard alkaline batteries (4AA type), giving continuous hours of use. Batteries are not included.

**Blister Bulb**  
6V/3W,  
E10, C2R

Code.....30890



**Bulb**  
6V/3W,  
E10, C2R

Code.....01113



**Blistered Lalizas Alkaline  
Batteries AAA 1,5V, 4pcs**

Code.....31357



**Lalizas Alkaline Battery GP**  
15AU-U/LR6  
Code.....01312

## Navigation Lights & Accessories

### “Crystal” and “Cyclic” lights

The “Crystal” and “Cyclic” 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. Their elegant “helmet” styling (Cyclic and Crystal) leaves no sharp edges to cause injury or catch lines. They are also especially designed to be visible from a long distance and are fitted with a 12V 10W bulb as standard.

Approved for vessels up to 12m according to :COL REG 72 and the French NFJ 76-102

Electrical



30461



30471



30551



30561



30462



30472



30552



30562



30463



30473



30553



30563



30464



30474



30554



30564

### “Cyclic” lights

Code	30461	30462	30463	30464
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°
Housing	Black			

Code	30471	30472	30473	30474
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°
Housing	White			

### “Crystal lights”

Code	30551	30552	30553	30554
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°
Housing	Black			

Code	30561	30562	30563	30564
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°
Housing	White			

**Blister Bulb**  
12V/10W, SV8.5-8  
C8I, 41 mm

Code.....30600

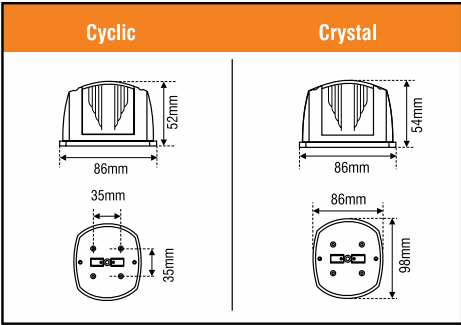


**Bulb**  
12V/10W, SV8.5-8  
C8I, 41 mm

Code.....00386



**Bulb 12V, LED, T11 41mm,**  
**cool white - 4 LEDs**  
Code....71228



## "Faros" Lights

Including masthead, side and stern navigation lights, the "Faros" range is ideal mainly for powerboats with less than 12m length. "Faros" navigation lights are available in white, black or chrome. **Material:** Nylon fibre mix housing. Shatterproof plexiglas (PMMA) lens **Mounting:** rawl plugs. **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous Intensity:** 5cd **Minimum Visibility Distance:** 2 nautical miles.



30864



30874



30934

### Masthead White 225°

Code	30864	30874	30934
Housing	Black	White	Chrome



30865



30875



30935

### Bi-colour 225°

Code	30865	30875	30935
Housing	Black	White	Chrome



31051



31061



31071

### Starboard Green 112,5° Horizontal

Code	31051	31061	31071
Housing	Black	White	Chrome



31052



31062



31072

### Port Red 112,5° Horizontal

Code	31052	31062	31072
Housing	Black	White	Chrome



30861



30871



30931

### Starboard Green 112,5°

Code	30861	30871	30931
Housing	Black	White	Chrome



30862



30872



30932

### Port Red 112,5°

Code	30862	30872	30932
Housing	Black	White	Chrome



30863



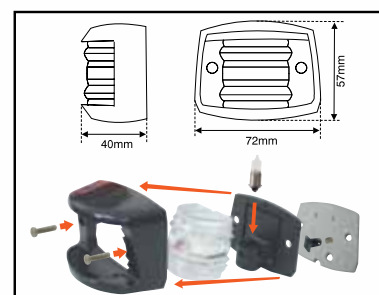
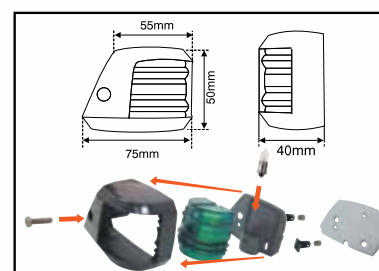
30873



30933

### Stern White 135°

Code	30863	30873	30933
Housing	Black	White	Chrome



Electrical



Remove the protective paper from the self adhesive flange



Attach the flange at the point you want to place the light and open the holes using a drill



Pass the wires through the lower hole and fit the light's rawl plugs in the side holes



Screw until the rawl plugs are secured



**Blister Bulb**  
12V/5W  
BA9S, C2R  
Code....30940



**Bulb 12V/5W**  
BA9S, C2R  
Code....01184



**Bulb 12V, LED, BA9S,**  
cool white - 4SMDs+1LED  
Code....71233



## Navigation Lights

### "Eye" Lights

Designed for powerboats under 12m length, the "Eye" lights are a unique design within the Lalizas range of vertical mount navigation lights. Their special design enables them to be neatly mounted on the boat, both ensuring safety without compromising good looks. They are fitted into the vessel's bow, not leaving any sharp edges to either spoil the vessel's lines or cause injuries. **Material:** Nylon fibre mix housing. Shatterproof plexiglas (PMMA) lens **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous Intensity:** 5cd **Minimum Visibility Distance:** 2 nautical miles. "Eye" navigation lights are available in white, black or chrome colour.



EASY MOUNTING



30841



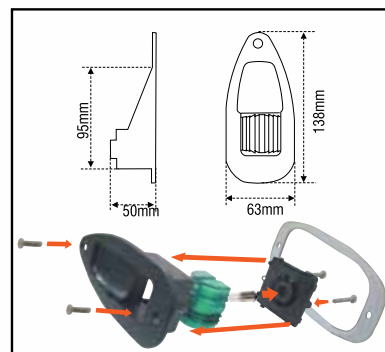
30851



30921

#### Starboard Green 112,5° Horizontal

Code	30841	30851	30921
Housing	Black	White	Chrome



30842



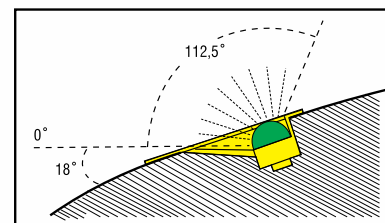
30852



30922

#### Port Red 112,5° Horizontal

Code	30842	30852	30922
Housing	Black	White	Chrome



30843



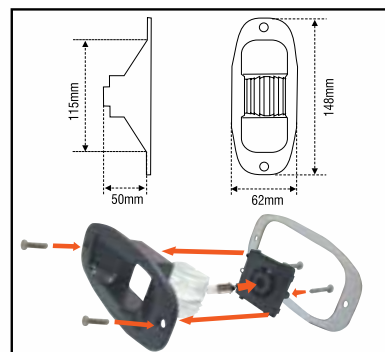
30853



30923

#### Stern white 135°

Code	30843	30853	30923
Housing	Black	White	Chrome



**Blister Bulb**  
12V/5W  
BA9S, C2R

Code....30940



**Bulb 12V/5W**  
BA9S, C2R

Code....01184



**Bulb 12V, LED, BA9S,**  
cool white - 4SMDs+1LED

Code....71233



### "Pop-up" Bicolour Lights

The "Pop-up" is the ultimate in ergonomic design. It has been designed to be retracted by pressing it's top when not in use and to be re-activated by pressing the top again. This design allows freedom of movement around the deck without the fear of tripping over the light. It is equipped with a built-in switch that activates the light only when in the up position and deactivates when retracted and is therefore ideal for installation on the bow. The "Pop-up" navigation light is easy to fit, supplied pre-wired and has a waterproof deck seal. The housing material is Nylon (31085, 31095) and ABS (31105) with a Plexiglas (PMMA) lens. All materials are UV resistant. The light uses a 12V/5W bulb providing 5 candelas of light with a minimum visibility 2 nautical miles. All electrical contacts are Inox. Available in white, black and chrome colour.



EASY MOUNTING



31085

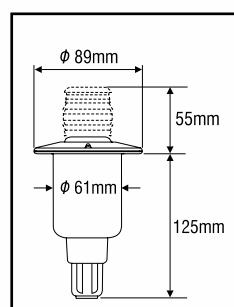


31095



31105

Code	31085	31095	31105
Housing	Black	White	Chrome



**Blister Bulb**  
12V/5W  
BA9S, C2R

Code....30940



**Bulb 12V/5W**  
BA9S, C2R


Code....01184



**Bulb 12V, LED, BA9S,**  
cool white - 4SMDs+1LED

Code....71233





**ADVISOR**

**Use**

According to the COL.REG.'72, powerboats need to follow a different set of rules regarding the positioning and operation of their navigation lights. Boats under 20m need to have stern, side and masthead lights. Powerboats under 12m may combine the masthead and stern lights into one all round light. Navigation lights should be lit from sunset to sunrise.

**Instructions of Use**

Depending on the model, navigation lights can be mounted vertically or horizontally on suitable surface of the boat and they are connected to the central and auxiliary circuit. They are fixed through the base with two or more screws, and the housing is clipped on. Lalizas navigation lights with their round shape are less likely to snag with other fittings or ropes. This new group of navigation lights for powerboats "EYE" are fitted into the boat without leaving any sharp edges. Navigation lights should not be put under any kind of strain, and should be positioned in such a way to be conformed with all regulations.

**Maintenance:** Regular and proper maintenance is essential if you want your navigation lights to operate properly and for a long time. Therefore, Lalizas suggests that you regularly:


- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal, and if necessary replace it
- Clean the contacts and spray them with a product that is only for electrical contacts

In case the lights stop operating check the lamp and the connection to the circuit

**Replacement:** All navigation lights must be replaced when the lenses change colour, or you notice crack on the casing, or the crystal.

**"Power" Lights**

Lalizas sport boat navigation lights are compact and streamlined to follow fit comfortably with all boats. The lenses are made of tough polycarbonate, while nylon fibre mix housing and stainless internal components for added strength. Bi-colour and masthead lights are available for horizontal and vertical mounting.





30061



30062



30063



30064



30065



30066



30067



30068

Code	30061	30062	30063	30064	30065	30066	30067	30068
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead Light 225°	Bi Color, vertical 225°	Bi Color, horizontal 225°	Masthead, horizontal 225°	Fixed Spreader 360°
Housing	Black							



30071



30072



30073



30074



30075



30076

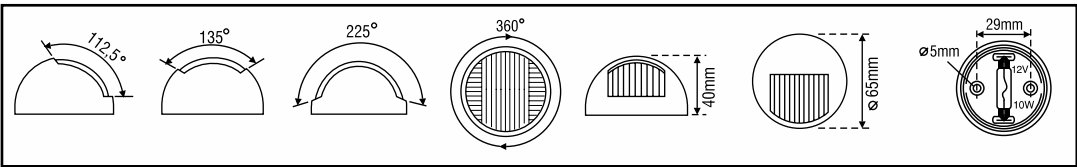


30077



30078

Code	30071	30072	30073	30074	30075	30076	30077	30078
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead Light 225°	Bi Color, vertical 225°	Bi Color, horizontal 225°	Masthead, horizontal 225°	Fixed Spreader 360°
Housing	White							





**Blister Bulb**  
12V/10W, SV8.5-8, C8I, 39mm

Code.....30610



**Bulb 12V/10W,**  
SV8.5-8, C8I, 39mm

Code.....00568




**Bulb 12V, LED, T11**  
39mm, cool white - 2x4  
LEDs 360°

Code....71227

## Navigation Lights

### ADVISOR

This category includes all navigation lights that are manufactured especially for use on boats up to 20m. The various groups of this category include all round lights or stern, side and masthead lights.

**Use:** As in the 12m category, sailing boats should show stern and sidelights when they have the sails open. When motor driven, they should use the masthead light too. Instead of using separate sidelights, sailboats can combine them into one bicolour unit.

**Instructions of Use:** The navigation lights in this category can be mounted either vertically or horizontally (tricolour), in relation to the deck and they are connected to the central and auxiliary circuit. They are screw mounted to a suitable surface, while the case is then clipped onto the base. Navigation lights should not be put under any kind of strain. All lights should be positioned in such a position, so as to be conformed to regulations.

**Maintenance:** Regular and proper maintenance is essential if you want your navigation lights to operate properly and for a long time. Therefore, Lalizas suggests that on regular basis you:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal and if necessary replace it
- Clean the contacts and spray them with a suitable commercial product.
- Check the bulb and if necessary replace it

**Replacement:** All navigation lights should be replaced when the lenses change colour or you notice any cracks on the casing or the crystal.



Code	30501	30502	30503	30504	30505
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	Black				

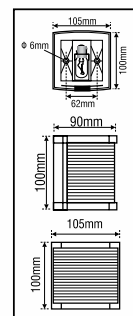
Code	30511	30512	30513	30514	30515
Description	Starboard Green 112,5°	Port Red 112,5°	Stern White 135°	Masthead White 225°	Bi-colour 225°
Housing	White				



Code	30521	30522	30523	30543	30404
Description	Signal Green 360°	Signal Red 360°	Signal White 360°	Signal White 360°	Tricolour 360°
Housing	Black			White	Black

### "Classic N20" Lights

The "Classic N20" series of navigation lights is 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.



Approved for vessels up to 20m by:

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

### SPARE BULBS FOR NAVIGATION & SIGNAL LIGHTS 20m

For use in 12V system

Blister Bulb  
12V/25W  
BAY15D, C81  
Code...30570



Bulb  
12V/25W  
BAY15D, C81  
Code...00438

For use in 24V system

Blister Bulb  
24V/25W  
BAY15D, CC81  
Code...30580



Bulb  
24V/25W  
BAY15D, CC81  
Code...00439

NEW

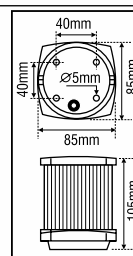


Bulb 12V, LED, T25 BAY15D, cool white - 36 LEDs

Code...71230

### "Classic S20" Lights

This maxi series of "Classic S20" lights is 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.

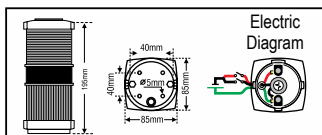


### Tri Colour & Anchor light

The tri-colour and white navigation light features an improved bulb holder, simplified wiring installation and compact two-pieces design.

1. Made of a special compound of ABS and Polycarbonate
2. Non magnetic stainless steel electric contacts
3. One compact product (only 2 pcs.)
4. Higher light distribution
5. Easier and more effective electric connection
6. Improved (stable) lamp holders
7. Protection against electrolysis

Code.....30415



To change the bulb follow the instructions as indicated in the pictures.



Unscrew the casing by turning it anti-clockwise



Pull the casing and change the bulbs needed



Place the casing by matching the lugs to the relevant slots and turning clockwise



# LALIZAS 30 years

**Over 6.000km**

If we stretch all the chains and ropes  
we sold in the past 30 years, we could reach  
the length of the Great Wall!



***"...When Identity Matters"***



# Anchoring & Docking



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NEW

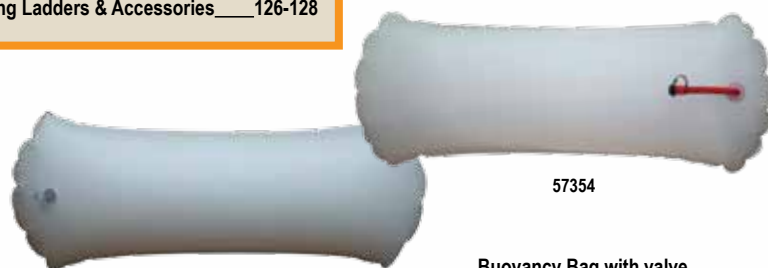
Hot dip galvanized chain DIN 766, Calibrated, Pack  
Page 118



NEW

Mooring 16-Strand Double Braided Rope,  
Polyester, blue

Page 120



57353

57354

Buoyancy Bag with valve  
for Optimist, grey

Page 122



## LADDERS

A Boarding Ladder is an extremely useful and important accessory on any boat. Apart from access from a tender, small boat or the sea, a boarding ladder can assist in the recovery of a casualty who has fallen overboard (MOB).

Lalizas offer you aluminum hook over-the-gunwale ladders, Inox ladders with key hole plates and rope ladders, with up to 5 steps depending on the model.

### Ladder Types

1. **Over-the-gunwale ladders:** Suitable for small boats these hook over ladders will fit a wide range of gunwale widths

2. **Inox ladders with key hole plates:** These over-the-gunwale ladders are supplied with key hole plates that may be permanently fixed with bolts to the hull or deck of your boat. The key hole plates are slotted to accept spigots located on the ladder hooks, providing a secure fitting, allowing also quick and easy removal of the ladder for storage.

3. **Rope ladders:** Flexible, lightweight and easy to store, a good stand by ladder for emergency use or when space is at a premium

## PADDLES / HOOKS

Paddles and oars are used as a means of propulsion for canoes, kayaks, dinghies tenders and small boats. They are available in various styles and sizes to suit every requirement. Boat Hooks are also included in this category. They are used to hook and pull closer difficult to reach ropes, buoys, mooring cleats, as well as, fending off when maneuvering. Paddles and Boat Hooks are made of anodized aluminum and highly resistant plastic.

## FENDERS

Fenders are essential equipment on a boat as they absorb shocks and prevent abrasion when docking. Fenders help avoid costly repairs and distress caused by damage from contact with other boats or the dock. Lalizas 'Hercules' fenders are available in various types (standard, reinforced and inflatable), three designs (cylindrical, round and bow) and in various colours and sizes. They are manufactured by special marine grade PVC. There is also a wide range of covers (Ultra, Eco, Easy Store) for all Lalizas fenders.

## Anchor Rollers



Stemhead, Inox 304

Code	99638
Length (mm)	165
Width (mm)	50
Diameter (mm)	64

BEST VALUE



Roller for stemhead 99638, black

Code	11907
Length (mm)	42
roller diam. (mm)	64
Material	PP & UV

BEST VALUE



Hinged bow roller, Inox 316

Code	70634
Length (mm)	328
Height (mm)	236
Thick (mm)	70
For chain (mm)	6-8-10
For anchor (kg)	up to 14



Bow roller w/ anchor block, Inox 316

Code	70612
Length (mm)	240
Width (mm)	100
For chain (mm)	6-8
For anchor (kg)	up to 10

## Anchor Windlasses & Accessories

### AnchorWinch Windlasses

The AnchorWinch windlasses has been specially manufactured for the rigid conditions of the sea. They are strong fast and effective. They consist of stainless steel axis and powerful motor and are ideal for using with chain and/or rope. All the windlasses' parts above the deck are made of polished stainless steel 316, while they can be easily installed vertically. The windlasses' high performance and great descending speed allow you to moor fast and with great safety under any circumstances. All AnchorWinch products have 2 year warranty.

**AnchorWinch**



Windlass AnchorWinch, 900W, 12V, low profile

Code	95595
Motor	900W
Voltage	12V
Current draw	55 A
Max working load	220kg
Max power pull	660kg
Drop speed chain	40m/min
Solenoid	Reverse
Gypsy Chain	6mm
Rope	12mm
Weight	9,1kg



**AnchorWinch**



Watch the video on our channel

<http://www.youtube.com/LalizasSA>

**You Tube**



Windlass AnchorWinch, 1200w, 12v, low profile

Code	96166
Motor	1200watt
Voltage	12V
Current draw	85 A
Max working load	400kg
Max power pull	1100kg
Drop speed chain	40m/min
Solenoid	Regular
Gypsy Chain	8mm
Rope	14mm
Weight	20,3kg



**AnchorWinch**



Windlass AnchorWinch, 1500w, 12v, w/ capstan

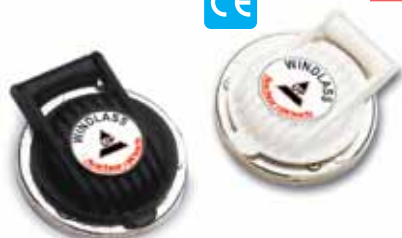
Code	95603
Motor	1500W
Voltage	12V
Current draw	115 A
Max working load	485kg
Max power pull	1200kg
Drop speed chain	40m/min
Solenoid	Regular
Gypsy Chain	10mm
Rope	16mm
Weight	21,3kg



**AnchorWinch**



## Anchor Windlasses & Accessories



Foot Switch for Windlasses, 12V & 24V with cover, AnchorWinch (Pair)

Code	99944	99945
Colour	Black	White
Diam. (mm)	75	75

AnchorWinch



99946-7 Solenoid, AnchorWinch, for Windlasses

Code	Power	Voltage (V)	Solenoid
99946	500-1500W	12	Regular
99947		24	
99948		12	Reverse



Thermal circuit breaker, AnchorWinch, for Windlasses

Code	Amp	For Windlasses	
		Volt	Watt
99949	60	12	500-700
		24	500-1000
99950	80	12	700-900
		24	700-1000
99951	100	12	900-1000
		24	1000-1500
99952	135	12	1000-1500
		24	1500-2000
99953	175	12	1500-2000
		24	2500-3000



Radio Remote Control 12V & 24V, for Windlasses

Code.....99917



Winch Handle - 20cm

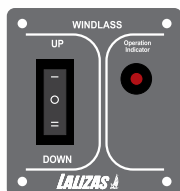
Code.....11858

Anchoring & Docking

2 YEARS GUARANTEE

INOX 316

BEST VALUE



Panel mount windlass switch 2"x3", 15A

### Features

- MON - OFF - MON switch
- For use only in 12/24V. Maximum load per switch 15A
- Coated with electrostatic paint
- Completely wired and ready to install

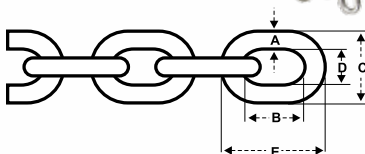
Code	Fuctions	Dimensions (cm)		Colour	Voltage (V)
		Height	Width		
99693	MON-OFF-MON	7	6,5	Black	12-24

## Anchor Chains



Hot dip galvanized chain DIN 766, Calibrated, Pack

Code	71170	71171	71172	71173	71174	71175	71176	71177	71178	71179
A (mm)		6			8			10		12
B (mm)		18,5			24			30		36
C (mm)		20			27,5			34,5		39,6
D (mm)		8			11,5			14,5		15,6
E (mm)		30,5			40			50		60
Weight / m (kg)		0,8			1,42			2,28		3,23
Breaking load (kg)		1632			3265			5102		7387
Pack (m)	10	30	50	10	30	50	10	30	50	50



Hot dip galvanized chain, DIN 766, calibrated

Code	95617	95619	97710	97711
A (mm)	6	8	10	12
B (mm)	18.5	24	30	36
C (mm)	20	27.5	34.5	39.6
D (mm)	8	11.5	14.5	15.6
E (mm)	30.5	40	50	60
Weight / m (kg)	0.8	1.42	2.28	3.23
Breaking load (kg)	1,632	3,265	5,102	7,387

Chain, Inox 316, DIN 766, calibrated

Code	98042	98043	98044	98045	95637	97703
A (mm)	2	3	4	5	6	8
B (mm)	12	15		20	18.5	24
C (mm)	7.5	11	13	16	20	26
D (mm)	3.5	5	5	6	8	10
E (mm)	16	21	28	30	30.5	40
Weight / m (kg)	0.07	0.16	0.32	0.5	0.78	1.4
Breaking load (kg)	127	408	816	1,275	1,632	3,265

## Thimbles



### Thimble

Made of Nylon, they are lightweight and highly resistant to strain and wear. They are available in eight sizes from 8mm to 22mm diameter.

Code	95773	95774	95775	95776	95777	95778	95779	95780
For rope (mm)	8	10	12	14	16	18	20	22
Colour	White							
Packing (pcs)	4				2		1	

BEST VALUE

Pre-cut

## Ropes for General Use



### Ops Purpose Rope

Made from polyester, very soft and ideal for multiple uses on the boat. It can be used on fenders and sea anchors.

Code	Diam. (mm)	Length (m)	Breaking Load (kg)
92036	4	300	98
92037	5	250	146
92038	6	200	198
92039	8		320
92040	10	100	560
92041	12		760
92042	14		1020
92043	16		1460
92044	18		1800

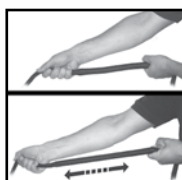
## Anchor Lines

### Shock Absorbing Mooring Lines

These Lalizas Polyester Mooring Lines are integrated with industrial rubber filaments which permit high elasticity in absorbing shocks from wind and waves. Shock Lines are highly suitable for docking and anchor lines. Shock-Line Ropes have a loop at one end and all of them are available in high quality and practical packing.



Pre-cut



Code	Diameter (mm)	Length (m)	Breaking Load (kg)	Elongation (mm)	Boat Length (m)
90347	12	8	2300	200	5-10
90348	15	8	3200	250	10-15
90349	18	8	4000	300	15-20



Pre-cut

### Anchor Line 3 strand double twisted with loop & thimble, polyester

Code	Diameter (mm)	Length (m)	Strength (Kg)	Boat Length (m)	Colour
90826	10	20	1590	>8	White
90839	14	7	3180	11-13	
90864	10	20	1430	>8	Black
90867	14	7	2860	11-13	



Sold by the reel



### Anchor Rope 3 strand double twisted, polyester

Code	Diameter (mm)	Length (m)	Strength (Kg)	Colour
90853	6	200	508	Black
90854	8	200	918	
90855	10	200	1431	
90856	12	200	2043	
90857	14	200	2860	
90858	16	170	3690	
90859	18	140	4630	
90860	20	100	5760	
90861	22	100	6840	White
90862	24	100	8190	
90843	6	200	565	
90844	8	200	1020	
90845	10	200	1590	
90846	12	200	2270	
90847	14	200	3180	
90848	16	170	4100	
90849	18	140	5150	
90850	20	100	6400	
90851	22	100	7600	
90852	24	100	9100	



Anchoring & Docking

## Dock Lines



Pre-cut



### Fender Line double braided with loop, polyester, black

Code	Diameter (mm)	Length (m)	Strength (kg)
90812	8	2	1600
90813	10	2	1940
90814	12	3	2650



Pre-cut



### Mooring Dock Line double braided with loop, polyester, black

Code	Diameter (mm)	Length (m)	Strength (kg)	Boat Length (m)
90815	8	4	1600	5-6
90816	8	8		6-10
90817	10	5	1940	5-6
90818	10	10		6-10
90819	12	6	2650	5-6
90821	14	7	3465	6-10
90823	16	8	4380	10-12

## Dock Lines

### Mooring double braided rope, polyester, black



Sold by the reel

Code	Diameter (mm)	Length (m)	Strength (Kg)
90827	6	200	920
90828	8	200	1600
90829	10	200	1940
90830	12	200	2650
90831	14	200	3465
90832	16	170	4380
90833	18	140	5500
71029	20	100	5220
71030	22	100	5985
71031	24	100	7254



NEW

Sold by the reel

### Mooring 16-Strand Double Braided Rope, Polyester, blue

Code	Diameter (mm)	Length (m)	Strength (Kg)
71162	12	200	2000
71163	14	200	3000
71164	16	170	4000
71165	18	140	4500
71166	20	100	5000
71167	22	100	7500
71168	26	100	8500

## Fenders

### ADVISOR

#### Use

A Fender is a specially designed, cushioning device, used in between two boats or a boat and the dock.

#### Instructions of Use

Fenders are used only when the boat is moored to a dock or anchored; they are not used when under way. When docked or anchored the boat may come into contact with the quay or other boats and with the movement of the water, damage can occur. Therefore fenders are positioned at the point of contact where the beam of the boat is the greatest, so as to absorb all shocks. In addition to the correct position, it is important to use the right size fender. The size of the fender varies according to the length of the vessel. Lalizas suggest that you use the following formula to calculate the right fender for your boat: For cylindrical fenders calculate a diameter equal to 3cm for every 1.5m of boat length for round fenders calculate 5cm for every 1.5 m of boat length.

Length of boat (m)	Cylindric fenders (cm)	Round Fenders (cm)
4	9.5	22
5 - 6	9.5	22
6 - 8	13	22
8 - 9	15.5	30 - 22
9 - 10	20	40
10 - 12	20	40
12 - 15	22 - 23	50

**It is very important that you inflate your fenders to the correct pressure for maximum effectiveness. Normal inflation pressure for fenders at 68°F / 20°C is 0,15bar. However during hot weather the pressure should be decreased by 0,05 bar.**

#### Maintenance / Replacement

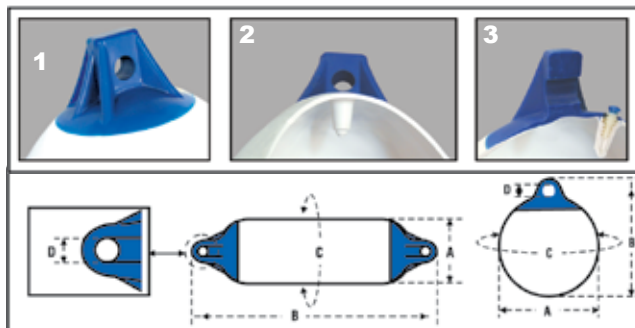
Fenders only require minimal maintenance. Lalizas suggests that you wash them regularly with fresh water. We recommend replacement should you notice any abnormality in the shape of your fenders. For the best protection of your fenders, we suggest the use of Fender Covers to keep them clean and protect them from sun, salt and wear.

### "Hercules Plus" Fenders

"Hercules Plus" fenders are designed for heavy-duty use and for use under harsh conditions. As with all Lalizas fenders, they are made of by tough, abrasion resistant PVC. The "Hercules Plus" fenders have features that strongly reflect the high quality construction standards set by Lalizas. The eye (rope hold) and body are moulded in one process, so that the eye cannot be ripped off the rest of the body. Unlike other fenders in the market, the "Hercules Plus" fenders have solid, reinforced eyes on the outside and the inside for extra resistance. If you need heavy-duty fenders, then the Lalizas "Hercules Plus" are the ideal for your vessel.






Watch the video on our channel  
<http://www.youtube.com/LalizasSA>



### Round Fenders Single Eyelet, Red

These fenders are ideal for mooring, anchoring and fishing marking in heavy seas.

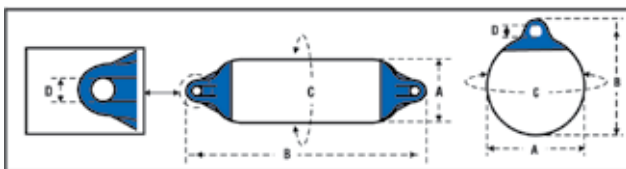













Code	Description	Colour	A Diameter* (cm)	B Length* (cm)	C Circumference* (cm)	D Eye Diameter (cm)	Buoyancy* (Kg)	Net Weight Per Unit (Kg)	Volume Per Product (lt)
50660	"Hercules Plus" Fenders Double Eyelet		20	68	63	2	2	1,47	15
50661			22	64	70	2,4	13	1,62	16
50662			22	74	70	2,4	20	1,99	22
50663			22	104	70	2,5	35	2,96	35
50664			30	76	95	2,5	45	2,90	40
50665			30	104	95	2,5	74	3,89	70
50670	"Hercules Plus" Round Fenders Single Eyelet		30	38,5	95	2,5	14	1,11	14
50671			40	52	124	2,5	32	2,17	35
50672			50	65	157	2,5	55	3,19	65
50673			60	78	188	2,9	85	4,71	114
51010	"Hercules Plus" Round Fenders Single Eyelet, Red		30	38,5	95	2,5	14	1,11	16
51011			40	52	124	2,5	32	2,17	35
51012			50	65	157	2,5	55	3,18	65
51013			60	78	188	2,9	85	4,71	114

\* Normal inflation measurements: 2,1lds/0,15 bar of pressure. Temperature at 68° F/ 20° C.

### "Hercules" fenders

"Hercules" fenders are made of marine grade PVC and are ideal for the protection of your boat against damage caused by other boats, docks and quays. They are available in single or double eye versions, in white, blue or white with blue end caps.



Code	Description	Colour	A Diameter* (cm)	B Length* (cm)	C Circumference* (cm)	D Eye Diameter (cm)	Buoyancy* (Kg)	Net Weight Per Unit (Kg)	Volume Per Product (lt)
50581	"Hercules" Fender, Single Eyelet		9,5	31	31	1,4	2,48	0,34	2
50582	"Hercules" Fender, Double Eyelet		13	39	44	1,4	4,5	0,59	4
50583			15,5	52	52	1,4	9,4	1,06	7
50584			15,5	58	52	1,7	12	1,26	8
50585			20	56	65	1,7	15,3	1,43	12
50586			20	62	65	1,7	18,5	1,61	14
50587			23	81	81	1,7	35,1	2,29	24
50591	"Hercules" Fender, Single Eyelet		9,5	31	31	1,4	2,48	0,34	2
50592	"Hercules" Fender, Double Eyelet		13	39	44	1,4	4,5	0,59	4
50593			15,5	52	52	1,4	9,4	1,06	7
50594			15,5	58	52	1,7	12	1,26	8
50595			20	56	65	1,7	15,3	1,43	12
50596			20	62	65	1,7	18,5	1,61	14
50597			23	81	81	1,7	35,1	2,29	24
50600	"Hercules" Round Fender, Single Eyelet		22	29	74	2,5	5,5	0,60	7
50601			32	38	96	3	19,3	1,63	16
50610	"Hercules" Round Fender, Single Eyelet		22	29	74	2,5	5,5	0,60	7
50611			32	38	96	3	19,3	1,63	16
50620	"Hercules" Fender, Bow		27	32	-	1,4	1,9	0,40	-
50631	"Hercules" Fender, Single Eyelet		9,5	31	31	1,4	2,48	0,4	2
50632	"Hercules" Fender, Double Eyelet		13	39	44	1,4	4,5	0,59	4
50633			15,5	52	52	1,4	9,4	1,06	7
50634			15,5	58	52	1,7	12	1,26	8
50635			20	56	65	1,7	15,3	1,43	12
50636			20	62	65	1,7	18,5	1,61	14
50637			23	81	81	1,7	35,1	2,29	24
50640	"Hercules" Round Fenders, Single Eyelet		22	29	74	2,5	5,5	0,60	7
50641			32	32	96	3	19,3	1,63	16
50650	"Hercules" Fender, Bow		27	32	-	1,4	1,9	0,40	-

\* Normal inflation measurements: 2,1lds/0,15 bar of pressure. Temperature at 68° F/ 20° C.

## Fenders



### Inflatable Fender "EasyStore"

The "EasyStore" Inflatable fenders are made of re-inforced, abrasion resistant PVC material. They are light, simple to use and when deflated can be stowed in small lockers. They can be quickly inflated by using any standard or electric pump and easily mounted using the rope supplied. All available in light-grey the larger sizes only have fixing mounts at both ends.

Code	57327	57328	57316	57317	57318	57319
Diameter(cm)	20	25	28	32	42	60
Length(cm)	50	70	85	104	132	150

BEST  
VALUE



Easy to store!



57353

BEST  
VALUE



57354

### Buoyancy Bag with valve for Optimist, grey

Code	Material	Max Air Pressure	Dimensions
57353	PVC	0,5PSI	41x100cm
57354	Nylon with TPU	3,6PSI	

Anchoring & Docking

## Fender Covers & Racks

### Fender Covers "Ultra"

Lalizas Fender Covers protect your boat from wear and dirt. The covers prolong the life of your fenders protecting them from UV rays, humidity and salt. They are made of strong 75% Acrylic, 25% Lycra, material. The tubular, tight loop, knit is fashioned with minimal seams and is highly resistant to tears and abrasions. A heavy duty drawstring is sewn in, to ensure the cover fits snugly on the fender. Lalizas Fender covers are available in navy blue and in several sizes to suit most fenders.



Double  
Boat Protection



BEST  
VALUE



Watch the video on our channel  
<http://www.youtube.com/LalizasSA>

You  
Tube

Code	Dimensions (cm)	"Hercules" Fenders	"EasyStore" Fenders	Polyform Fenders
50970	18x30	50582(13X39), 50592(13X39), 50632(13X39)	-	G2(11,4X40,6)
50971	18x48	50583(15,5X52), 50593(15,5X52), 50633(15,5X52), 50584(15,5X58), 50594(15,5X58), 50634(15,5X58)	-	F1(15X64), G3(14x50,8), G4(16,5X 58,4)
50974	25x52	50660(20X68), 50661(22X64), 50585(20X56), 50595(20X56), 50635(20X56), 50586(20X62), 50596(20X62), 50636(20X62)	57327(20X50)	F2(22X64), F02(20X68), G5(21,6X67,8)
50975	25x58	50662(22X74), 50661(20x64)	-	F3(22X76)
50976	27x90	50663(22X96)	-	F4(22X104)
50977	35x62	50664(30X76), 50587(26X75), 50597(26X75), 50637(26X75), 50662(22x74)	57328(25X70)	F5(30X76), G6(26,7X76,2)
50978	35x85	50665(30X96)	57316(28X85)	F6(30X109)
50979	50x60	50672(50X65)	-	F7(38X104), A4(55X71)
50980	51x110	-	57317(32X104)	F8(38X147)
50965	49x49	50671(40X52)	-	A2(39X49), A3(47X49)
50985	52x85	50673	-	A5(70X92)
70932	55x120	50673(60X78)	57318(42X132)	F10(47X127)
70933	70x135	-	57319(60X150)	F11(60X145)

The dimensions refer to the biggest size of fenders that can be used with each cover.

- Seamless and fully washable covers
- Protects boat from damages and scratches
- Eliminates fender squeak
- Extends life of fenders



BEST VALUE

### Modular Fender Baskets

Lalizas Fender basket can be easily installed on the rails of a boat using a connector (Code: 90154). For parallel connection of fender baskets, a parallel connector can be used (Code: 90163).

Code	Internal Diameter (mm)	Height (mm)	Fenders	
			Lalizas "Hercules"	Polyform
98630	180	420	50583, 50593, 50584, 50594, 50633, 50634	F1
98629	220	440	50585, 50595, 50586, 50596, 50635 50660, 50636	F02
98631	250	450	50661, 50662, 50663	F2, F3, F4
98632	340	590	50664, 50665	F5, F6

BEST VALUE

### Set of Connector & Rail Support for fenderbaskets

Code..... 90154

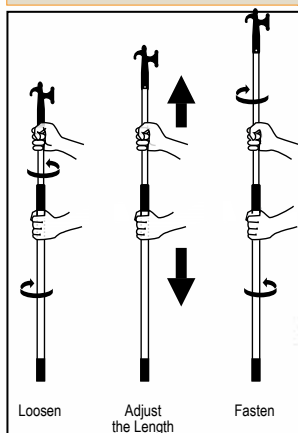
BEST VALUE

### Connector Paralell, for fenderbaskets

Code.....90163



## Hooks



### ADVISOR

**Use:** Boat hooks are useful accessories with a twin hook at one end. They are used to both hook and retrieve objects that are otherwise difficult to reach, such as ropes, lifebuoy rings, mooring buoys etc. They are made of anodized aluminum.

**Instructions of Use:** Depending on the model, Lalizas hooks are plain or telescopic. In order to adjust the length of the adjustable boat hook you unscrew the two parts, move to the desired length and screw it back. The hooks are used by grasping securely the object with the hook and then you pull towards you.

**Replacement:** Lalizas boat hooks are manufactured under the highest quality standards. Given the importance of the hooks, you should replace them, as soon as, you notice any cracks on the hook or the body.

### Boat Hooks

Lalizas offers two different types of boat hooks varying in size and design. Boat hooks, part numbers 50030-60, use a boat hook head with a standard size opening, making them ideal for most uses on board. They are available with plain or telescopic tubes, in various sizes, so that you may choose the one most suited to your needs.

Alternatively, the boat hook head (50903-57343) is also available. It is lighter, reinforced for extra strength, with a wider opening, which allows you to capture objects more easily. This hook head can be used with the plain (57340) or telescopic tube (57341 - 57342), which are sold separately.

All Lalizas boat hooks are manufactured to the highest standards. The hooks are made of Nylon and the poles of high quality anodized aluminum for longer life.



50903 - 57343  
(Not included)

Code	Description	Diameter (cm)	Length (cm)	
			Min	Max
50030	Aluminium Hook	2,5	147	
50040		2,5	180	
50050	Telescopic Boat Hooks, Double	3	118	204
50060		3	67	101
57340	Aluminum Tube for hook/broom	2,5	130	
57341	Aluminum Tube Telescopic for hook/broom	2,2 - 2,5	105	179
57342		2,2 - 2,5	165	305
57343	Hook with Thread - Black	2,2		
50903	Hook with Thread - Grey	2,2		
50180	Hook - Black	2,5		
50907	Handle, Grey	2,5		
50909		3		
50908	Handle, Black	2,5		
50100		3		
50110		3,5		



Lalizas Aluminum Tube (57340, 57341, 57342) can be combined perfectly with a soft or stiff Boat Brush. For more information on Boat Brushes, see to page 61-62.



57340

57341

57342

50030

50040

50050

50060

50903

57343

50180

50907

50909

50100

50908

50110



## Buoys

### Mooring Buoy

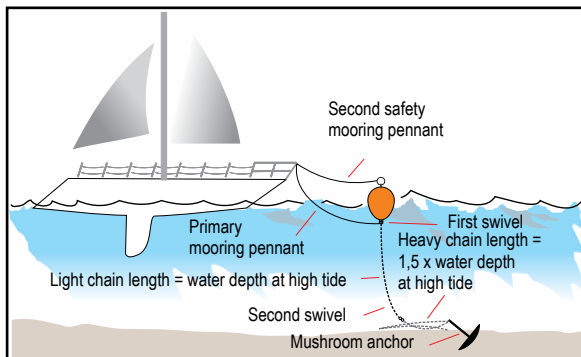
Lalizas buoys are ideal for anchoring and mooring. They have soft PVC surface that won't harm your boat finish and they are supplied with short mooring rods, which are hot dipped galvanised. For maximum strength and durability they feature large eye diameter (8-12cm) and swivel. Lalizas mooring buoys are available in a high visible orange colour and in various sizes.

### Select the proper mooring buoy

The size of the buoy depends on the weight of the anchor chain it will support. If you know the chain's weight you should add another 25% to the total weight for safety reasons. The result corresponds to the buoyancy of the buoy you should have. The buoys should be carefully chosen to carry the necessary weight. If the size you choose is wrong, then the mooring will definitely be unsteady.

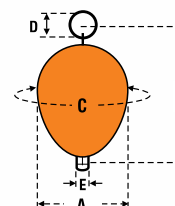
### Important hints

- The anchor chain should always be tied up to the lower swivel under water
- Do not over-inflate the buoy. Over inflation will destroy the intended shape of the buoy and reduce its working life.
- Several factors, such as currents, wind and waves should be considered as they may give additional weight to the buoy



Code	A Diameter* (cm)	B Length* (cm)	C Circumference* (cm)	D Eye Diameter (cm)	E (cm)	Buoyancy* (cm)	Weight (Kg)
51020	30	38,5	95	8	4 x 6	14	1,5
51021	40	52	136	10	6 x 8	32	2,5
51022	50	65	160	12	6 x 8	55	3,5
51023	60	78	210	12	6 x 8	85	4,5

\* Normal inflation measurements: 2,1ds/0,15 bar of pressure. Temperature at 68° F/ 20° C.



## Anchoring & Docking



### Diver Buoy

It is ideal for diving wearing air cylinders. It is easy for the diver to use, since it is especially designed so as to allow diver freedom of movement without jeopardizing his safety. The red buoy is folded and attached with a rope (6m) inside the blue case; the case has a sewn black plastic clip on, which allows the diver to fasten the buoy onto his suit for easy carrying. Additionally, the case features a whistle for use in any emergency. The buoy is made of soft PVC, 0.3mm thick, while the case is made of 1000D Polyester with PVC film, 0.5mm thick.

Dimensions: L 20cm W 8cm (packed)  
H 145cm W 5.8cm (inflated)

### Instructions of Use

Open the case and release the buoy. Use the cylinder to provide the buoy with a small quantity of air. In this way, the pressure of the air, along with the pressure of the water will allow the buoy to inflate and pop up onto the water surface, warning other boats that a diver will soon be afloat at this specific point.

Code...70017



BEST VALUE

BEST VALUE

BEST VALUE

BEST VALUE

Round marker buoy  
small, "SAFE DIVE"  
diam. 30cm, height 50cm

Code..... 97814

Torpedo diving marker  
buoy, "SAFE DIVE"  
diam. 28cm, length 88cm

Code..... 97816

Torpedo diving marker  
buoy, reinforced,  
"SAFE DIVE" with 20m rope

Code..... 97813



BEST VALUE

### Race Mark Buoy

The Lalizas Race Mark Buoy has been designed especially to meet the demands of races. It features one inflation/deflation valve and one large transparent pocket (69 x 58cm) that can be used for advertising purposes. There are also 4 attachment points for the anchor line and in order to absorb the pulling forces of the latter, the Lalizas Race Mark Buoy is fitted with a special net. Despite its size, when it is inflated (height: 1.5m, diameter: 0.90m), it is very easy to carry. It is made of UV resistant PVC, in bright yellow colour for high visibility.

Code	51030
Model	Cylindrical
Diameter	0,90m
Height	1,50m
Inflated Weight	4kg
Transparent Pocket	1



Attachment points  
for the anchor line



Inflation/deflation valve



Transparent pocket

## Mooring Springs



**Mooring Spring, Inox 316**

Code	99639	99640	99641
Length (mm)	270	320	410
Diameter (mm)	50	54	80
Breaking load (Kg)	95	120	220
For Boats up to aprox. (m)	5	6	10
Max. Boat weight (ton.)	1	1,5	6



**Mooring Spring, Inox 316**

Code	70621	70622
Length (mm)	460	460
Diameter (mm)	88	90
Breaking load (Kg)	220	420
For Boats up to aprox. (m)	10	12
Max. Boat weight (ton.)	6	8

## Platforms



**Platform Inox 316**

Code	99509
Width (mm)	450
Length (mm)	390
Wood	Teak



**Platform Inox 316**

Code	99510	99511
Diameter (mm)	25	
Width (mm)	450	600
Length (mm)	500	
Wood	Teak	



**Platform Inox 316**

Code	99512	99513
Diameter (mm)	25	
Width (mm)	210	270
Length (mm)	390	
Wood	Teak	

Anchoring & Docking



**Platform with ladder  
Inox 316**

Code	99516	99517
Width (mm)	210	270
Length (mm)	390	
Wood	Teak	



**Platform with folding  
ladder Inox 316**

Code	99514
Width (mm)	450
Length (mm)	390
Wood	Teak



**Platform with telescopic  
ladder Inox 316**

Code	99515
Width (mm)	450
Length (mm)	390
Wood	Teak



## Boarding Ladders & Accessories



### Rope Ladders

These handy, easily stored, rope ladders are designed to be used on boats for easy boarding. As the ladder secures around any cleat, no permanent mounting is necessary.

Code	50042	50043	50044
Steps	2	3	4
Height(cm)	62	80	102
Width(cm)	35	35	35
Weight(gr)	250	400	500



### Aluminum Ladders

Made of 25mm marine grade anodized aluminum tubing, with non-slip polypropylene steps. These Ladders come complete with two stand-off feet to suit the contours of most hulls. The hooks fold flat for out-of-the way storage.

Code	50032	50033	50034	50035
Steps	2	3	4	5
Height(cm)	55	83	110	136
Width(cm)	35	35	35	35
Weight(gr)	950	1200	1550	1800



### Inox Ladders

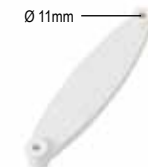
Made of 25mm marine grade stainless steel tubing, with black non-slip plastic steps. Ladders come complete with stand offs and one pair of keyhole plates with backing pads, and is suitable for most hulls hooks fold flat for out of the way storage.

Code	50053	50054	50055
Steps	3	4	5
Height(cm)	83	113	136
Width(cm)	35	35	35
Weight(gr)	1920	2200	2900

Step for  
Aluminum & Inox  
Ladder - White  
Code..... 50160



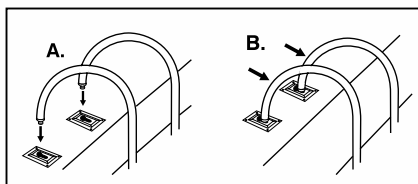
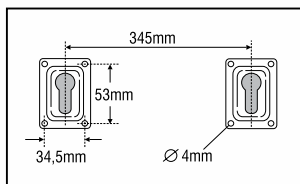
Step for  
Aluminum & Inox  
Ladder - Black  
Code..... 50170



Step for  
Rope Ladder -  
White  
Code..... 50150



Code..... 00636



Bow ladder  
Inox 316

Code	70644
Steps	3
Diameter (mm)	25
Width (mm)	230
Length (mm)	1060



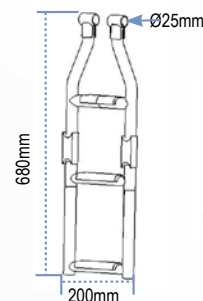
Ladder  
for sailing boat Inox 316

Code	99502
Steps	4
Diameter (mm)	25
Width (mm)	270
Length (mm)	900



Folding ladder, Inox 316

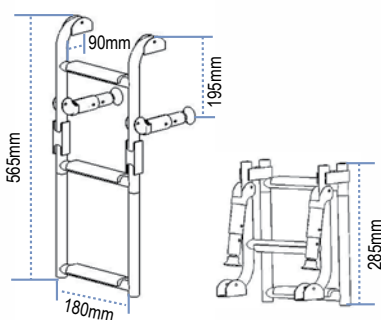
Code	70086
Steps	1+2
Diameter (mm)	25



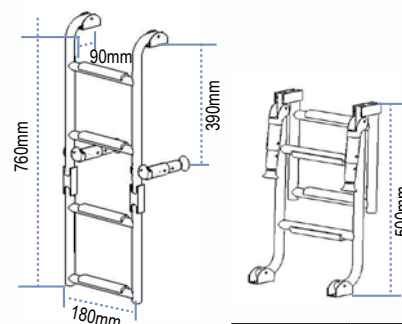




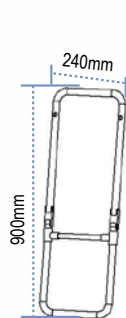
Folding ladder,  
Inox 316



Code	70089
Steps	1+2
Diameter (mm)	25

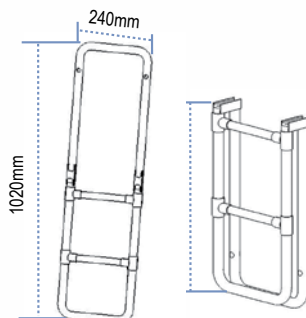


Code	70148
Steps	2+2
Diameter (mm)	25

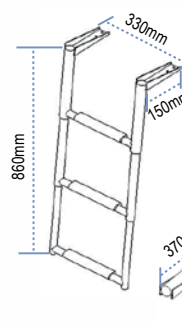


Code	99507
Steps	2
Diameter (mm)	25

Folding ladder for inflatable  
boats, Aluminium



Code	71200
Steps	3
Diameter (mm)	25

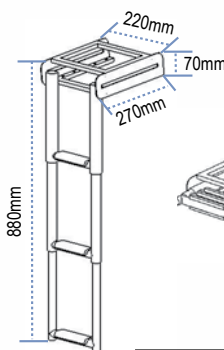


Telescopic Ladder  
Inox 316

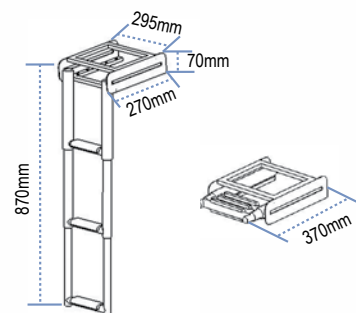
Code	70610
Steps	3



Telescopic ladder under the  
platform, Inox 316,



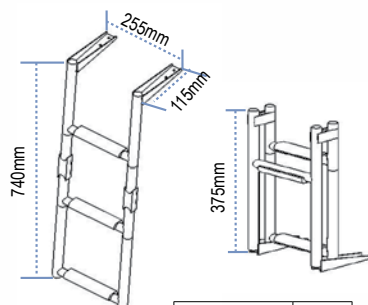
Code	99503
Steps	3



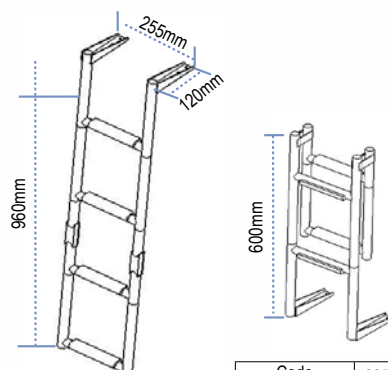
Code	99504
Steps	3



Ladder for  
platform Inox 316



Code	99505
Steps	1+2
Diameter (mm)	22

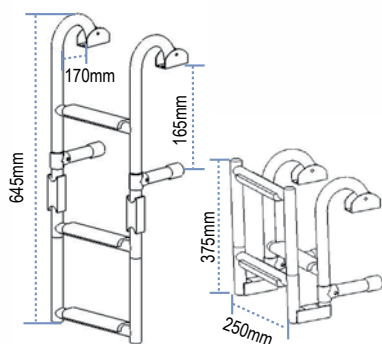


Code	99506
Steps	2+2
Diameter (mm)	22

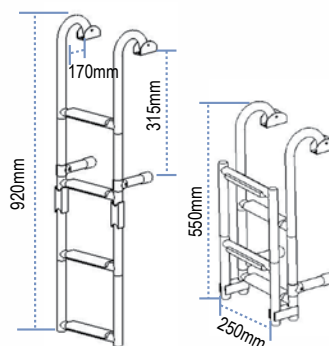
## Boarding Ladders & Accessories



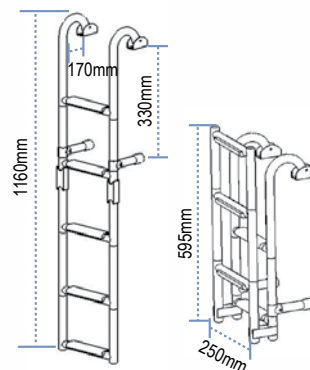
Gunwale mount hook  
folding ladder  
Inox 316



Code	99497
Steps	1+2
Diameter (mm)	22



Code	99498
Steps	2+2
Diameter (mm)	22

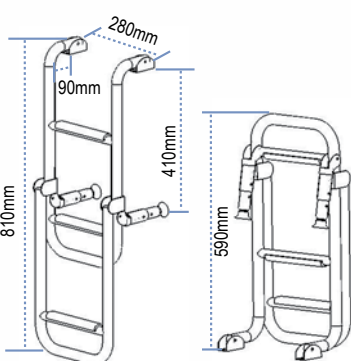


Code	99499
Steps	2+3
Diameter (mm)	22

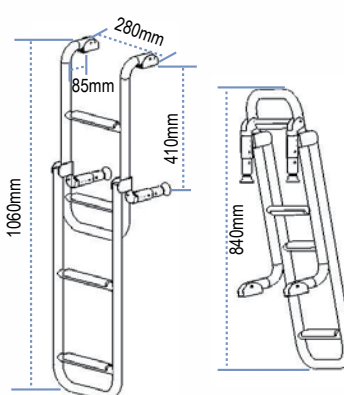
## Anchoring & Docking



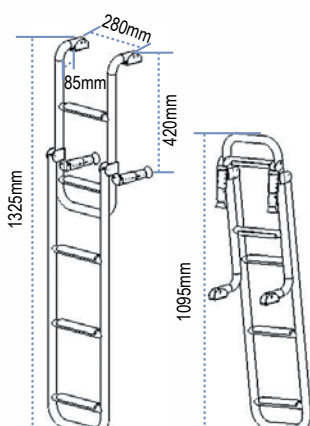
Folding ladder, Inox 316



Code	70146
Steps	1+2
Diameter (mm)	25



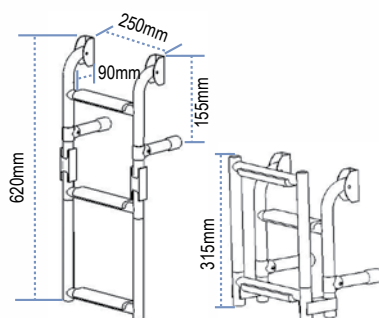
Code	70088
Steps	2+2
Diameter (mm)	25



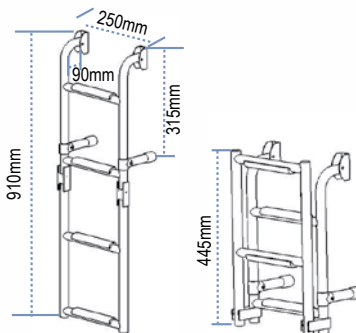
Code	70147
Steps	2+3
Diameter (mm)	25



Folding  
ladder for transom  
Inox 316



Code	99500
Steps	1+2
Diameter (mm)	22



Code	99501
Steps	2+2
Diameter (mm)	22



Mounting bracket,  
Diam. 25mm  
Code.....70647



Spare Hinge for ladders,  
Diam. 25mm  
Code.....70646



Mounting bracket with pin,  
Diam. 25mm  
Code.....99527



Mounting bracket  
for ladders

Code	70613	70614
Diameter(mm)	22	25

## Trailers & Accesories



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

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Tie-Downs	131
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Dome Light / Trailer Light LED

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Winch cable with hook

Page 131



## Manual & Electric Winches

### ADVISOR

#### What is a trailer winch?

A trailer winch is a unit mounted on the trailer, used to pull the boat on and off the trailer. It's function is based on the mechanical advantage created through it's spur gears.

**Use:** Each winch features two spur gears, small and large, both are inter-connected. The handle is attached to the small gear, which then moves the larger gear with the cable or strap wrapped around. This arrangement allows you to lift heavy loads easily.

#### Seaware winches have 3 positions: forward, neutral and reverse

**Forward:** The position used to haul the boat by moving the handle clockwise. If you do attempt to move the handle counterclockwise, the ratchet pawl will lock the gear and the winch will stop turning.

**Reverse:** The position used to launch the boat by moving the handle counterclockwise. If you do 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 locking.

**Gear Ratio:** The gear ratio refers to the the small and the large gears. For example: 4:1 means that the small gear turns 4 times, in order for the larger gear to turn once.

#### Choose the right trailer winch for your boat:

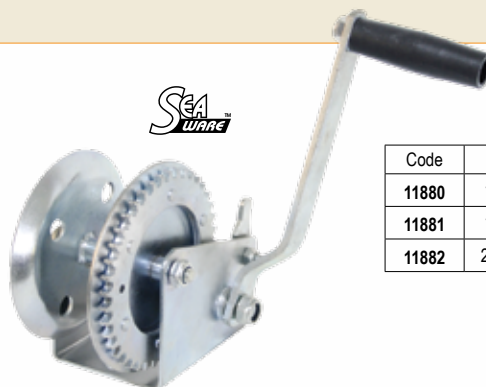
It is very important to choose the right trailer winch for your boat. For heavier and longer boats, use winches with larger capacities and longer straps or cables. It is generally recommended to use a winch of a capacity at least half the combined weight of your boat, motor and fuel.

#### Safety Tips

- Always inspect the strap or cable before use
- Never use straps or cables that are worn, kinked or damaged
- Ensure that the strap or cables are 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 to the ratchet pawl mechanism
- Always maintain a film of grease on the spur gears



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

#### Trailer Winch, 3 way, single and double gear, carbon steel

The Seaware winches are made of corrosion-resistant, carbon steel for prolonged life. Our winches feature 3 positions (forward, neutral and reverse), adjusted by their comfortable handle. The various gear ratios reduce user effort and increase pulling efficiency. The capacity of Seaware winches range from 636 to 1135kg.



#### Electric Winch, AnchorWinch, 12V, 2000lb/1000kg

The AnchorWinch electric trailer winch of 2000lbs capacity features a unique mounting plate which allows you to temporarily or permanently mount it on any flat surface. It also features a built-in carry handle. It is supplied with a 15' (4.5m) power cable, a mounting plate & a hand crank.

#### Technical Characteristic

Magnet Motor: 12V DC, Max 40A, 0.4hp(0.30kw)  
 Pulling Capacity: 2000lbs / 1000kg  
 Line Speed: 6' (1.8m/min) with load  
 Wire Rope (Diam. x L): 0.2" x 30' (5.1mm x 9m)  
 Power Cord: 15' (4.5m) / 9.9'(3m)



Code..... 71143

#### Trailer Winch Safety Tips

- Trailer winches are not tie downs. To prevent mishaps, use dedicated bow and stern tie downs to secure your boat on the trailer
- Make sure you have secure footing and proper leverage when using manual winches. Slips and falls by winch operators and injuries from winch handles that kick back are common boat ramp accidents.
- To avoid chafe on the winch line, be sure it doesn't rub against any sharp edges on the winch stand or trailer. If frayed or worn spots appear, replace the winch line immediately with a new rope, strap, or cable of the proper type, size, and strength. Cable life can be extended by frequently lubricating it with wire rope lubricant so the strands of cable slide by each other with less friction. Lubricating your winch cable will also reduce the number of snags and frays in the cable.

## Jockey Wheels

### ADVISOR

#### What is a Jockey Wheel?

A trailer jack is a telescopic pole with a wheel at one end. It is mounted on the frame of the trailer, to facilitate loading and un-loading the trailer from the ball hitch, as well as, raising the trailer to the 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 until the latter 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.

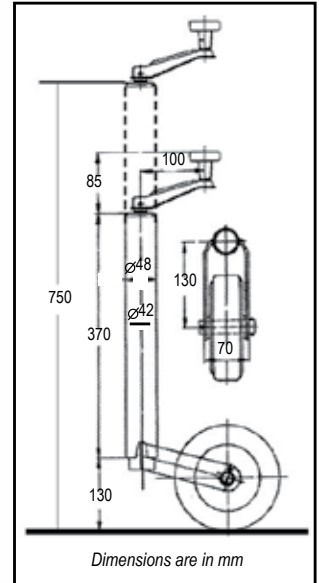
#### Safety Tips

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

#### Jockey Wheel

The Seaware jockey wheel is made of high quality steel and features a 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



Dimensions are in mm



**Spare Wheel for Jockey Wheel,**  
200x50mm

Code..... 90288

## Wires



**Winch cable with hook**

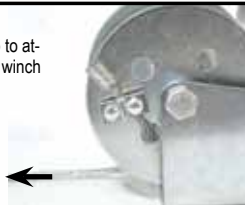
Code	Load	Length	Diameter
99599	1700 Kgs	6m/20ft	5 mm
99600		9m/30ft	

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-Downs



BEST VALUE

**Tie-Down Strap with self padded buckle**

Code	99006	99007
Width(mm)	25	25
Length(m)	2,5	4
Breaking Load(kg)	250	250



**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	99011	99012
Width(mm)	25	25
Length(m)	3	6
Breaking Load(kg)	500	500

## Winch Straps



SEA WARE

Winch Strap

Code	Load	Length	Width
99094	2000 Kgs	7,5m/25ft	50mm



Pass the pin 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).

## Trailer Lights & Sockets

### 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)

SEA WARE



Trailer Plug Female, fixed, 7 pin

Code.....11887

SEA WARE



Trailer Plug Male, 7 pin, for 11887 plug

Code.....99605

NEW



Dome Light / Trailer Light, 2 LEDs, 12V & 24V, black (2 pcs)

15 lumen, Dimensions: 77x36x21mm

Code.....71237

NEW



Dome Light / Trailer Light, 12 LEDs, 12V & 24V, black (2 pcs)

90 lumen, Dimensions: 104x60x26mm

Code.....71235

NEW



Dome Light / Trailer Light, 25 LEDs, 12V & 24V, black

187,5 lumen, Dimensions: 200x58x30mm

Code.....71236

## Couplers & Hitch Balls

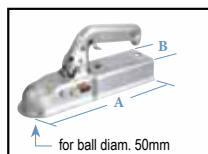
USEFUL HINTS

### Before use, it is 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 with chocks on both wheels



SEA WARE



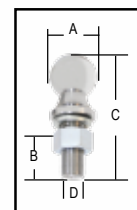
### Trailer Coupling, 2000lbs / 900kgs, for 50mm ball

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

Code	11885	11886
A: External Length (mm)	270	270
B: Internal Width (mm)	52	62



SEA WARE



### Trailer Ball Hitch, 50mm

The ball hitch will give 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)	113



## Bimini Tops, Seating & Covers

SEA  
COVER

BEST  
VALUE

Boat Cover SeaCover

Page 135

Seat Bases	134
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Boat & Engines Covers	134-136
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WELCOME  
ON BOARD

WELCOME  
ON BOARD

Welcome Mat with  
backing, PVC

Page 141

## Seat Bases



Seat base, telescopic,  
Inox 316, Diam: 60mm,  
Height: 450mm

Code.....99519

## Table Pedestals



Table pedestal,  
Inox 316, 50 x 700mm

Code.....70609



Support bracket  
for tables, Inox 316,  
300x165x20mm

Code.....70633

## Buoyant Deck Cushions

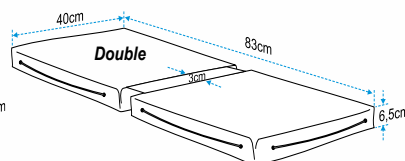
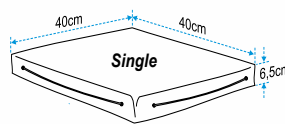
### Buoyant deck cushions

Buoyant deck cushions are equipped with a waterproof outer material and are filled with polyethylene foam. There are integral straps around the cushions, so as to carry them easily and quickly. The cushions lock on your boat through a nylon hook at their back. Buoyancy cushions are either single or double, depending on your needs and come in white, red and blue colours. White cushions are made of PVC, while red and blue cushions are made of polyester with PVC overlay. It is recommended cleaning the cushions with cold fresh water.



BEST  
VALUE

Code	Deck Cushion	Colour	Material	Buoyancy (kg)	Weight (kg)
11511	Single	White	PVC	9,5	0,6
11512	Double	White	PVC	19,5	1,25
11513	Single	Red	Polyester	9	0,55
11514	Double	Red		19	1,20
11515	Single	Blue		9	0,55
11516	Double	Blue		19	1,20



## Boat & Engines Covers

### 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) which is positioned in the center of your boat with a wide support on top and highly resistant plastic webbing straps, which are hooked from bow to stern. The Boat Cover Support System fits all covers for boats up to 7m.



Code.....57276

### 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 move the pole. The pole may need to be adjusted further depending on the shape and size of your boat and its cover









## Boat & Engines Covers



BEST VALUE



### Engine Covers

SeaCover for engines are ideal for their protection against water, sun and dust. They are made of 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 as two different types. There are covers which are suitable only for the top part of the engine (not the shaft) and feature an elastic cord for an ideal fit to most types of outboard engines. There are also full body covers, which feature an elastic cord and a zipper, so as to ensure the best possible engine protection, including it's shaft. You can find 7 different sizes of covers for the top part of the engine only, and 3 different sizes for full body covers. All SeaCover covers are supplied in silver.

The tables below show the different sizes of SeaCover. The dimensions refer to the length, width and height of the cover (Drawing 1). The horsepower quoted 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 be taken into account.



BEST VALUE

Bimini Tops, Seating & Covers

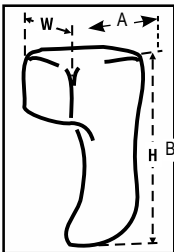


### Full body covers

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

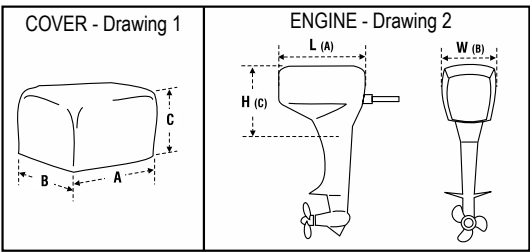
### Covers for the top part of the engine

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 as shown in Drawing 2 and determine the dimensions that 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).



BEST VALUE

### Optimist Boat Cover

Protects your Optimist from heavy wear and prolongs it's life. The Optimist boat cover drapes the entire dingy 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  
Dimensions (cm).....220x100

## Binimi Tops & Shades

### CHOOSING THE RIGHT CANOPY

When choosing a canopy for your boat you should first ensure that the model is suitable for your type of boat (sail or power). It is also important to ensure that you measure your boat accurately and also make sure that adequate fitting space is available.

#### Step 1. Calculate the Length (A)

On sailing boats, we recommend the length of the canopy to be equal to the distance between the center of the companion way steps to a point just beyond the rear of the cockpit. This measurement should reach the backstay without including it. If you prefer a larger canopy, you should make the appropriate modifications in order for the backstay to pass through the canopy. In powerboats the length of the canopy is only defined by your specific requirements and the area of the boat you wish to cover. So, (A1-A2) = Canopy Length

#### Step 2. Points of Installation

On sailing and powerboats, the points of installation are calculated by dividing the canopy length by 2. i.e. A / 2 = Points of Installation B1 & B2.

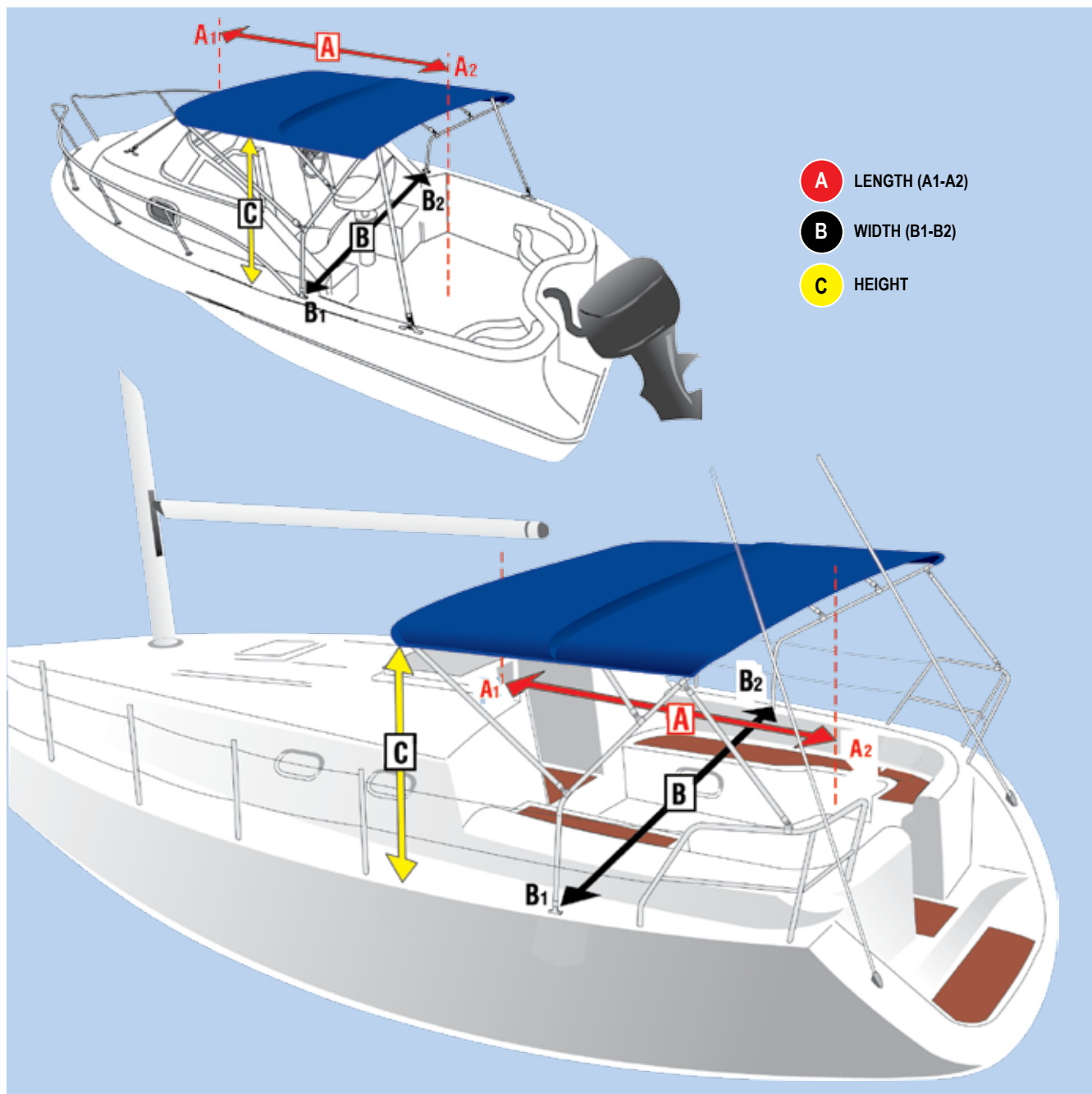
This formula gives you the distance between points A1 or A2 to the point where you should place the canopy. In sailing boats these points should be slightly inboard of the rails to cover the cockpit area. On powerboats the usual installation point is the middle of the gunwale.

#### Step 3. Calculate the Width (B)

Measure the distance between the installation points. So (B1-B2) = Width Please note that the width of the canopy is not necessarily the width of the boat.

#### Step 4. Calculate the Height (C)

Calculate the height of the canopy according to your own requirements. In order to measure the height, just measure the distance between the installation points and to the desired height. On powerboats, the height of canopy should not obstruct navigation lights.



USEFUL HINTS

CANOPIES

Lalizas canopies are manufactured using only materials which are both weather and UV resistant. However, to maintain these characteristics, do not allow contact with flames or sharp surfaces. Lalizas recommends washing your canopy and straps with clean water. Allow to dry completely before storing or covering. Also remember to fold and cover the canopy with its top, when not in use.

Canopy Inox "Athens", blue

The "Athens" range has been designed to the highest standards. The frame is made of stainless steel for extended life and high resistance to corrosion, while also providing an attractive, polished finish. It is available in various sizes with lengths varying from 180 to 280 cm, width 180 to 280cm, while the height is adjustable, up to a maximum of 155cm. The canopy top is made of PVC coated Nylon fabric, which is 100% waterproof, UV resistant and is available in a smart blue. Choose the frame whose dimensions fit the nearest to your boat. Follow the instructions on page 136, fit, and enjoy.

Code	70907	70908	70909	70910	70911	70912	70913	70914	70915	70916
Length(cm)	180	180	180	200	200	240	240	240	280	280
Width(cm)	180	230	280	200	215	180	230	280	230	280
Height(cm)	155	155	155	155	155	155	155	155	155	155

## Binimi Tops & Shades



### Aluminium Canopies "Poseidon", white

The "Poseidon" is the only one of our range of professional canopies offering a single span design with aluminium tubes, heavy weight waterproof fabric and UV stable polycarbonate hinges and fittings. All you need to supply are the screws.

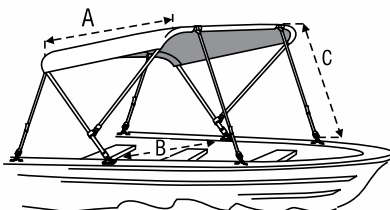
Code	57320	50461	50462	50463	50464
A(cm)			180		
B(cm)	130	150	170	190	210
C(cm)			110		



### Aluminium Canopies "Venus", white

Offered in the same five sizes as the "Poseidon", the "Venus" follows the same design parameters as that model. In addition a central support is fitted to stop any sag in the fabric. This also allows for less tension to be applied to the adjustable tethers used to maintain the shape of the canopy.

Code	57321	50481	50482	50483	50484
A(cm)			180		
B(cm)	130	150	170	190	210
C(cm)			135		



### Aluminium Canopies "Zeus", white

Our largest canopy, with quadruple supports the "Zeus" offers a sag free canopy at low line tensions, which can still be hinged back and stowed. Made from the same proven materials as the rest of our range, this canopy offers over 5m of covered area.

Code	50501	50502	50503
A(cm)		240	
B(cm)	170	190	210
C(cm)		135	



### Canopies "Basic", white

These competitively priced canopies are designed to be used as shade canopies on rigid craft and small inflatables. It is constructed from strong nylon coated PVC, with marine grade anodized aluminum supports. Available with white top. Canopy accessories are available separately.

Code	50431	50432	50433	50434
A(cm)	133	195	235	280
B(cm)	120	140	162	180
C(cm)	105	109	113	117

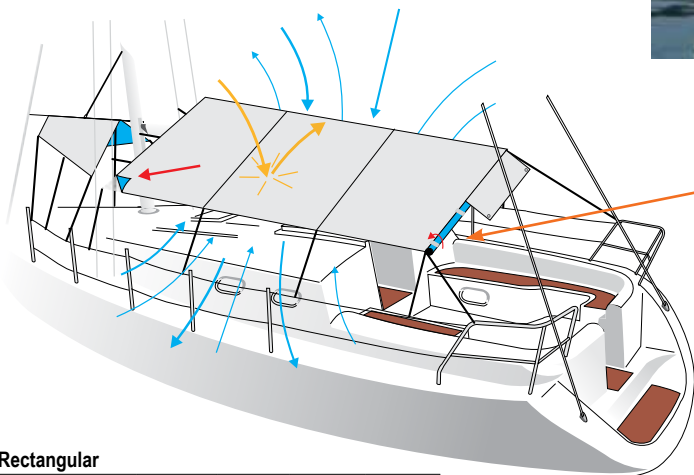


## SunShade "JOS"

"JOS" sunshades have been designed to offer relief from the sun's penetrating rays anywhere on-board. They are made of 420D Polyester, with UV protection and are supplied in rectangular and trapezium shape, this allows for the flexibility to fit all boat requirements.

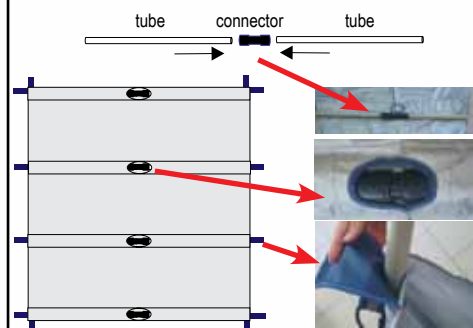
They have been designed in such a way that the air is recycled and not "trapped", making life on-board far more pleasant. The texture of the upper part of the shade reflects the sun's rays, while the underside enhances the cool feel with its light blue finish..

"JOS" sunshades are lightweight and can be installed in few minutes, by using the aluminum poles supplied, or alternatively the rectangular poles and the supplied rope for the trapezium shape. For a better fit, you can adjust the sunshade to your boat's rails by using the supplied elastic rope. Available in 8 different dimensions and one colour combination, silver/blue.



BEST VALUE

### 8 Tubes & 4 Connectors are included



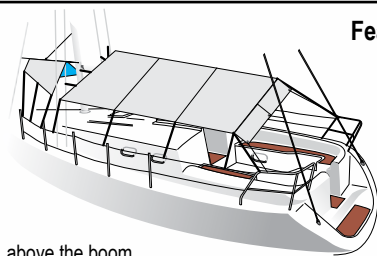
### Rectangular

Code	70896	70897	70898	70899
Dimensions (cm)	260x460	315x370	315x430	350x490

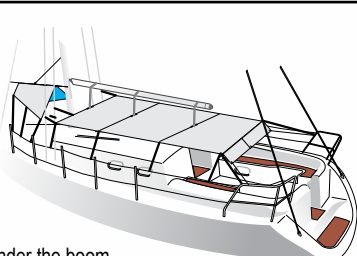
### Trapezium shaped

Code	70900	70901	70902	70903
Dimensions (cm)	80x210x220	80x230x320	80x290x360	80x320x400,5

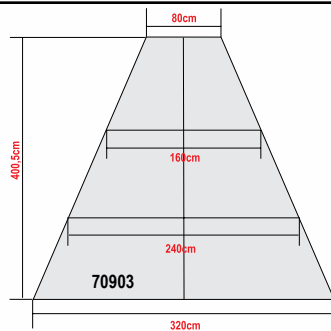
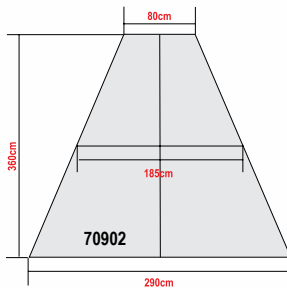
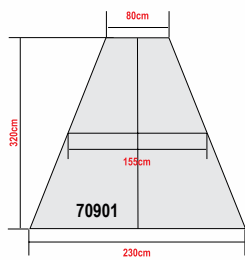
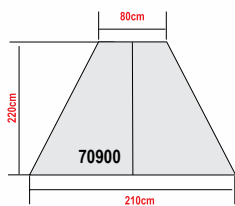
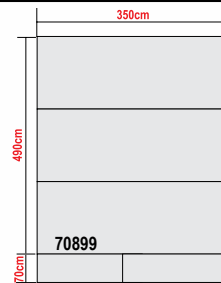
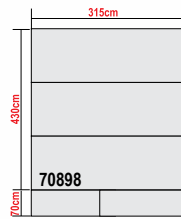
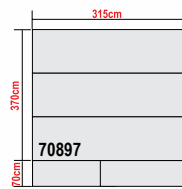
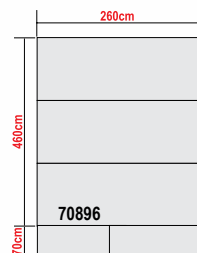
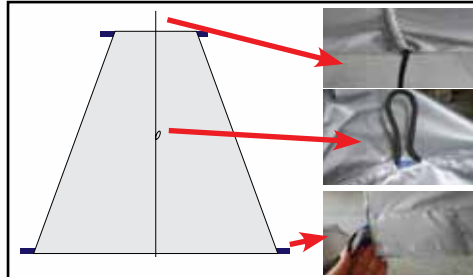
### Features



above the boom



under the boom



## Shades & Bimini Hardware



### Eye End Inox

Code	50871	96928
Diameter(mm)	25	22



### Deck Hinge Inox

Code	50870
Diameter(mm)	25

### Inox tube

Code	10420	10421
Inox	316	304
Diameter(mm)	25	
Thickness(mm)	1	
Length(m)	3	



### Connector "Cross"

Code...50875



### Cover for canopy connector "Cross"

Code...01834



### Top Slide Inox

Code	50872	96930
Diameter(mm)	25	22



### Jaw Slide Inox

Code	50876	50873	57205
Diameter(mm)	32	25	22



### Press stud socket

Code...70626



### Press stud twisted

Code...70627



### Press stud with screw & nut

Code...70628



### Press stud for fabric

Code...70629



### Press stud with 2 hole screw base

Code...70630



### Screwdriver for press studs

70626 & 70629  
Code...70631

### Aluminum canopy accessories

To complement our standard range of canopies Lalizas offers an extended range of canopy accessories. With every option considered these spare parts can be used to custom build your own canopy or maintain any existing Lalizas canopy. Made of durable UV stabilised polycarbonate, these fittings will provide years of useful service.



### Canopy Socket for Inflatable Boat

Ø 22 mm ( 7/8" )  
Code..... 50550



### Canopy Hinge

Ø 22 mm ( 7/8" )  
Code....50070



### Rowlock Attachment Base

Code...50420



### Rowlock Attachment Pin

Code.....50410



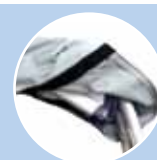
### Canopy Hinge

Ø 22 mm ( 7/8" )  
Code... 50080



### Canopy Socket & Hinge

Ø 22 mm ( 7/8" )  
Code...50090



All aluminum canopies are supplied with covers except for the "Basic".



All canopies are supplied with four adjustable straps, apart from the "Athens" model, which has two.

### Connector

Ø 22mm (7/8")

Code...00249



### Quick Release Side Mount Deck Hinge

Code...50680



### Jaw Slides

Ø 22mm (7/8")  
Code...50330



### Side Mount Deck Hinge

Code...50681



### Horizontal Deck Hinge

Code...50320

### External Eye Ends

Ø 22mm (7/8")  
Code...00837

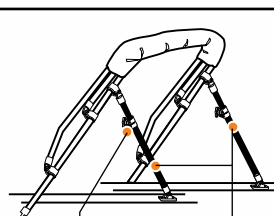
### External Eye Ends

Ø 19mm (3/4")  
Code...00838



### Adjustable Straps

25mm  
Code...50350



### Quick Release Jaw Slides

Ø 22 mm (7/8")  
Code..50360



### Quick Release Deck Hinge for Inflatable Boats

Code...50390



### Quick Release Horizontal Deck Hinge

Code...50380



### Yoke Ends for Telescopic Support

Ø 22mm (7/8")  
Code...00718



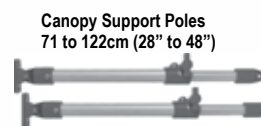
### Yoke Ends for Telescopic Support

Ø 19mm (3/4")  
Code...00717



### Strap Buckles

25 mm (1")  
Code...00716



### Canopy Support Poles

71 to 122cm (28" to 48")  
Code...50340



Code	Description
00165	Nylon webbing 25mm, Blue, (Roll 50m)
00166	Tubular Nylon Webbing 25mm, Blue, (Roll 50m)
00043	Polyester Webbing 25mm, White, (Roll 50m)
02035	Polyester Webbing 25mm - Yellow - (Roll 50m)
00068	Polyester Webbing 50mm, Blue, (Roll 50m)



**Canopy Fabric,**  
**150cm width**  
\* Sold by m<sup>2</sup>

Code	01769	01775
Colour	Blue	Green

### Nylon Hook for Boats

A useful item for all inflatable boats. It may be used for securing boat covers, sun shades etc. It is made of highly resistant nylon for long-term use and endurance to strain and wear. Available in black or grey.

BEST VALUE



Code	11467	11468
Colour	Black	Gray

## Carpets

### Welcome Mats and Marine Carpets

Lalizas mats and carpets are designed to provide you with maximum comfort and safety when walking on your boat's deck by creating a comfortable, elastic and anti-slip walking surface. Manufactured according to international standards, they are non-toxic and environment friendly products, especially designed for use in boats. However, they can be adequately used in office buildings, commercial buildings, restaurants and in other areas with heavy traffic. Marine carpets and mats are made of soft and durable PVC for extra resistance to seawater, fuel and oil spillage. Thanks to their UV-stabilisers, they are suitable for areas exposed to sunlight. The loop layer is constructed, in order to trap dirt and filth, protecting the floor at the same time. Lalizas Welcome Mats are available with backing, whereas marine carpets are available in two types, one with backing, a second one without backing, all in rolls only. Depending on the version, there are two sizes, all are in either grey and blue.

#### USEFUL HINTS

#### Maintenance & Cleaning

Correct cleaning of both mats and carpets is necessary in order to:

- Extend the carpet's life by reducing the penetration of dirt into the fibres
- Place the carpet's correctly, thus preventing the intrusion of dirt into the boat
- Maintain the clean appearance of both the carpet and the boat

Lalizas mats and carpets are especially designed to withstand all weather conditions and heavy use. However,

some basic rules are suggested, in order to maintain them in good condition for a long time.

- Use a vacuum cleaner or overturn the mat and carpet in order to remove the dust and filth
- Use common detergents
- Rinse with clean fresh water
- Dry them naturally

#### Please avoid the following:

- Do not put the mats and carpets in contact with flame, hot surfaces or sharp items
- Do not use strong detergents such as bleach, for their cleaning



**Welcome Mat with backing, PVC**

Code	57195	57196	57197	57198
Colour	Grey	Blue	Grey	Blue
Dimensions (cm)	40x60	60x90		



\* Sold by linear meter

**Marine Carpet with backing, PVC**

Code	57201	57202
Colour	Grey	Blue
Width	120cm	
Roll Length	6m	

**Marine Carpet without backing, PVC**

Code	57203	57204
Colour	Grey	Blue
Width	120cm	
Roll Length	6m	

## Tarpaulin Covers



SEA TARPULIN

### Protective Tarpaulin Cover Sea Tarpaulin

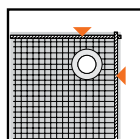
They can be used in various applications such as:

- 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
- 120 gr/m<sup>2</sup>

#### 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

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



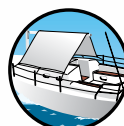
Outer edges Reinforced with rope sealed in hem for extra strength



Boat Cover



Outside Storage



Boat Tent



Camping



## Interior



Nautical Gifts & Key Chains	143
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BEST  
VALUE



Case with net and plastic frame,  
'Store-All', white

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### Weather Instruments & Clocks

Page 143



## Key Chains



Key chain-compass, SeaNav

Code....11894



Key chain carabiner/compass, SeaNav

Code....11895

Not suitable for climbing purposes



Key chain-compass, w/ LED, SeaNav

Code....11893

Key holder "Fender"



Code	Description	Colour
11864	Cylindrical	White
11902	Cylindrical	Orange
11903	Round	White
11904	Round	Orange

## Weather Instruments & Clocks



Thermometer / Hydrometer / Clock, SeaNav, wooden, with 2 pen holders

Code	11888
Length (mm)	217
Width (mm)	28
Height (mm)	80



Thermometer / Hydrometer / Clock, SeaNav, wooden

Code	11892
Length (mm)	243
Width (mm)	22
Height (mm)	88



Wooden holder for pen, with digital clock, SeaNav

Code	11889
Length (mm)	187
Width (mm)	35
Height (mm)	135



Clock with wooden base, SeaNav

Code	11890
Length (mm)	272
Width (mm)	47
Height (mm)	180



Thermometer / Hydrometer / Clock, SeaNav, w/base, wooden

Code	11891
Length (mm)	73
Width (mm)	72
Height (mm)	250

## Teak Products



Glass holder, Teak,  
Ø 70mm

Code	93330
Length (mm)	140
Width (mm)	88
Height (mm)	90



Glass holder for 2 glasses,  
Ø 70mm

Code	93331
Length (mm)	280
Width (mm)	90
Height (mm)	90



Glass holder for 4 glasses,  
Ø 70mm

Code	93332
Length (mm)	430
Width (mm)	90
Height (mm)	90



Glass holder for 6 glasses,  
Ø 70mm

Code	93333
Length (mm)	597
Width (mm)	90
Height (mm)	90



Glass toothbrush holder,  
Teak, Ø 83mm

Code	93343
Width (mm)	120
Height (mm)	27



Pencil holder, Teak

Code	93386
Width (mm)	120
Height (mm)	77



Holder for VHF/GPS/Mobile, Teak

Code	93465
Width (mm)	110
Height (mm)	65
Υψος (mm)	140



Bottle holder for 2 bottles,  
Teak, Ø 95 mm

Code	93466
Width (mm)	226
Height (mm)	119
Υψος (mm)	120



Book Rack, Teak

Code	93334
Length (mm)	397
Width (mm)	217
Height (mm)	205



Mug holder, Teak

Code	93335
Length (mm)	320
Height (mm)	255



Binocular rack, Teak

Code	93337
Length (mm)	245
Width (mm)	113
Height (mm)	175



Chart caddy, Teak  
(2pcs), Ø 70 mm

Code	93349	93350
Length (mm)	4	6
Width (mm)	435	610
Height (mm)	90	90



Paper holder, Teak

Code.....93457



Toilet tissue holder, Teak

Code.....93456



Handrail, Teak

Code	93382	93383	93384
Length (mm)	330	580	840
Height (mm)	60	60	60



Towel bar, Teak, Ø 25 mm

Code	93463	93464
Length (mm)	350	580
Height (mm)	60	60



Teak Finger Pull

Code	90285	93281
Diameter (mm)	32	39



Teak Finger Pull

Code	93282	90286
Diameter (mm)	32	39



Teak plug  
set of 20pcs

Code	93248	93250	93244	93246	93247
Diameter (mm)	6	8	10	12	15



Wood Drain Plug, 5-45mm  
set of 10pcs

Code.....90593



## General Purpose Cases

### Horizontal mounting

- Easy to mount
- Various mounting options

**FOR ALL  
"Store-All" CASES**



### Vertical mounting



### Isotherm Cover "Store All" for Drinks

Whether you like your coffee to stay hot in the winter, or your refreshments cold in the summer, the Isotherm Cover is a 'must-have' for you. It's made in such a way, that your beverage is kept at the same temperature (hot or cold) longer than it would be without. It has been designed to easily cover most common cans or cups. It can be fitted in the various 'Store-All' Drink Holders (94144-5, 94161, 99232).



Code	<b>99828</b>
Colour	Blue

**Dimensions**  
Diameter: 8,5cm  
Height: 10cm

### Drink Holder 'Store-All'

This compact and convenient cockpit saver keeps your drinks up and out of the way. You can place it on any smooth surface, by using the support base (99824-7) on the back or bottom of the holder.



Code	<b>94161</b>	<b>99232</b>
Colour	White	Graphite

**Dimensions**  
Length: 11cm  
Height: 10cm

### VHF/FRS Case 'Store-All'

With the VHF/FRS case you can keep your communication devices safe and within easy reach. Because of its small size, it can even fit close to the helm of the smallest boat. In order to mount the case, you can place the support base (99824-7) either on the back or on the bottom of the case. The case is available in white or graphite.



Code	<b>94152</b>	<b>94153</b>
Colour	White	Graphite

**Dimensions**  
Length: 13,5cm  
Height: 11,5cm  
Width: 8cm

### Galley Case 'Store-All'

The handy galley case 'Store-All' is suitable for keeping organised your sponges, brushes, sunblock or any small object. It is easily mounted using the special support base for cases (99824-7), which can be placed on the wall, on the console or on the rails. It is available in white or graphite.



Code	<b>94160</b>	<b>99233</b>
Colour	White	Graphite

**Dimensions**  
Length: 19cm  
Height: 10cm  
Width: 11,3cm

### GPS/Cell Phone Case 'Store-All'

The GPS/Cell Phone Case 'Store-All' is ideal for storing most hand-held GPS and mobile phones. It can be placed vertically or horizontally on any flat surface, by using the support base for rails and surfaces (99824-7), which allows you to remove the case easily and quickly. GPS/Cell Phone Case 'Store-All' is available in white or graphite.



Code	<b>94150</b>	<b>94151</b>
Colour	White	Graphite

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

### Organiser & Drink Holder 'Store-All'

The 'Store-All' organizer is so useful when space is at a premium. It features a drinks holder and a case to hold sunglasses, sunblock etc. It is easily mounted either vertically or on a flat surface, using the support base for rails or level surfaces (99824-7), which allows you to remove the organizer anytime. The Organizer & Drink Holder 'Store-All' is available in white or graphite.



Code	<b>94144</b>	<b>94145</b>
Colour	White	Graphite

**Dimensions**  
Length: 27cm  
Height: 10cm  
Width: 11cm

## General Purpose Cases

### Folding Drink Holder 'Store-All'

The Folding Drinks Holder 'Store-All' is ideal for small boats or areas with very limited space. It's folding feature allows you to completely retract it when not in use. It features adjustable arms to hold cans and mugs and also screws for permanent mounting. This drink holder can also be mounted on the rails or against any surface, using the relevant support base (99824-7), which allows you to remove the holder when not in use. The Folding Drink Holder 'Store-All' is available either in white or graphite.



Code	96866	99230
Colour	White	Graphite

**Dimensions**  
Height: 11cm  
Width: 10,5cm

BEST VALUE

### Folding Double Drink's Holder, 'Store-All'

When space is very limited, then the Double Drink's Holder is ideal. It's mechanism allows you to use it only when needed and fold it up when you do not. Included are stainless steel screws for permanent mounting. However, you can also mount it using the support base (99824 - 7), which allows you to completely remove the organiser anytime.



Code	96865	98591
Colour	White	Graphite

**Dimensions**  
Length: 25,8cm  
Height: 11cm  
Width: 10cm

BEST VALUE

### Trash Bag Holder 'Store-All'

Keep your cockpit and cabin tidy and clean. The Trash Bag Holder easily mounts on any flat and even surface, using the support base for rails or level surfaces (99824-7), so that you can store it easily and quickly. Its cover prevents the contents from falling out of the bag. You may use common supermarket bags or kitchen trash bags. The Trash Bag Holder 'Store-All' is available in white and graphite. Bags are not supplied.



Code	94146	94147
Colour	White	Graphite

**Dimensions**  
Length: 28cm  
Height: 6,5cm  
Width: 13,5cm

BEST VALUE

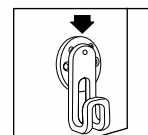
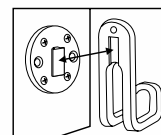
### Fixed Mount Support for "Store-All" Cases

This support allows you to mount the "Store-All" Cases semi-permanently. All you have to do is mount the support on the surface you want and then slide in the case. When you do not want to use the case, just remove it. The support will remain on the surface until the next time you need it.



Code	99827	99826
Colour	White	Graphite

**Dimensions**  
Diameter: 6cm



BEST VALUE

### Utility Hook 'Store-All', (Set 2pcs)

The 'Store All' hook can be used in almost all places on a boat. All you have to do is attach them on a flat surface and use them for lines, clothing, towels, etc.



Code	94126	99231
Colour	White	Graphite

**Dimensions**  
Length: 2,5cm  
Height: 7,5cm  
Width: 3cm

BEST VALUE

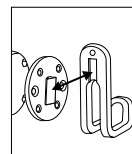
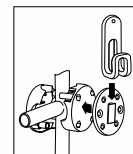
### Rail Support for "Store-All" Cases

This support allows you to mount the "Store-All" Cases semi-permanently on the rails. All you have to do is mount the support on the rails and then slide in the case. When you do not want to use the case, just remove it. The support will remain on the surface for as long as you want it to.



Code	99825	99824
Colour	White	Graphite

**Dimensions**  
Diameter: 6cm  
Width: 3,5cm



BEST VALUE

### Case with net and plastic frame, 'Store-All', white

This case helps you organise all items when on board with a flexible withholding net. It is made of plastic, UV resistant and can be easily installed either with screws or with a sticker ideal for inflatable and rigid boats (supplied). It is available in 2 sizes: 205x120x20mm and 205x120x10mm



Code	11900	11901
Thickness (mm)	20	10
Height (mm)	120	120
Width (mm)	205	205

BEST VALUE

## Cabin Heater/ Fan

### Cabin Heater/ Fan Sea Power, DC 12V, wire 1.80m

This heater is ideal for boats, cars and small offices. There are two settings, one for fan-heat and one for fan only. It can be easily plugged in a 12V cigarette lighter socket.



SEA POWER

Features: DC 12V, Power 100 ~ 125 W, Fan: 12V, 0.6A, Heat: 12V, 7.5A, Approval: CE

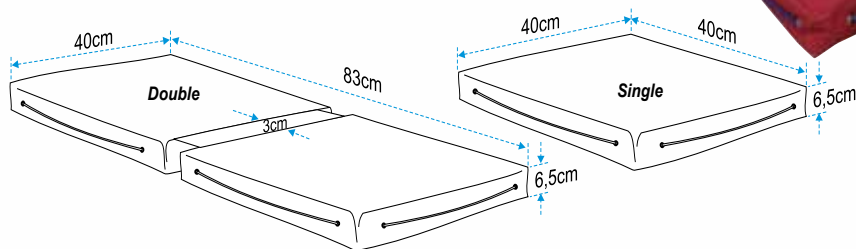
Code.....31405

## Buoyant Deck Cushions

### Buoyant deck cushions

Buoyant deck cushions are equipped with a waterproof outer material and are filled with polyethylene foam. There are integral straps around the cushions, so as to carry them easily and quickly. The cushions lock on your boat through a nylon hook at their back. Buoyancy cushions are either single or double, depending on your needs and come in white, red and blue colours. White cushions are made of PVC, while red and blue cushions are made of polyester with PVC overlay. It is recommended cleaning the cushions with cold fresh water.

Code	Deck Cushion	Colour	Material	Buoyancy (Kg)	Weight (Kg)
11511	Single	White	PVC	9,5	0,6
11512	Double			19,5	1,25
11513	Single	Red	Polyester	9	0,55
11514	Double			19	1,20
11515	Single	Blue		9	0,55
11516	Double			19	1,20

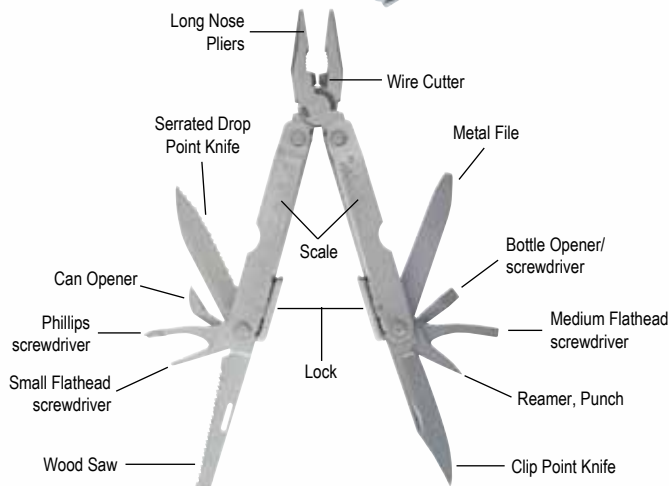


Interior

## Multi-Function Tools

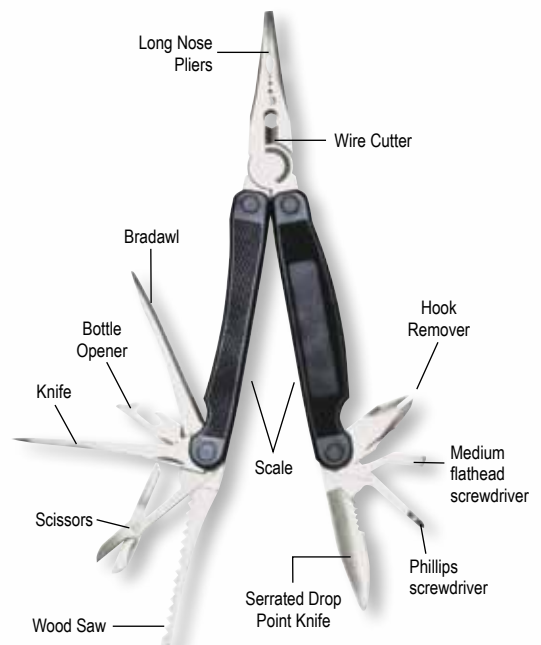
### Marine Multi-Function Tool, Inox

Code....10200



### Pliers Multi-function tool, Stainless Steel, 9 tools

Code....70193

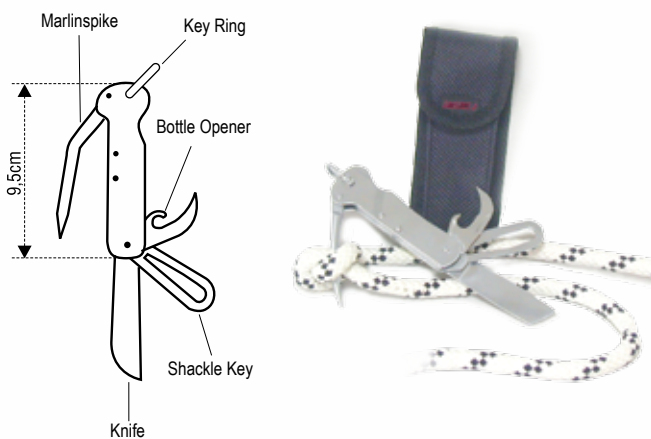




## Pocket Knives

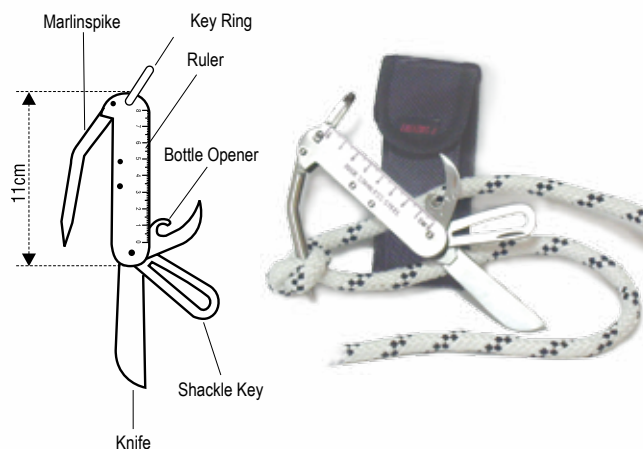
**SkipperMate Knife, Stainless Steel, L: 9,5cm**

Code....11477



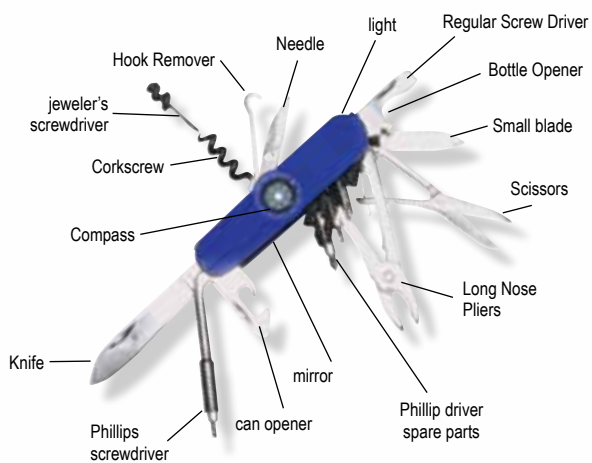
**SkipperMate Knife, Stainless Steel, L:11cm**

Code....11476



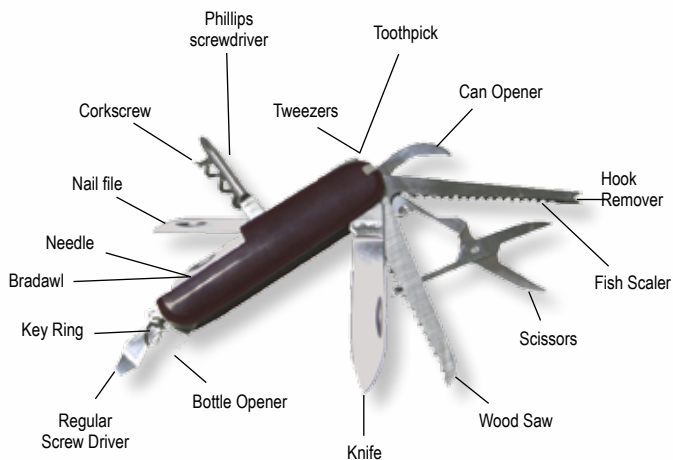
**Skipper Pocket Knife, Stainless Steel, 9 tools**

Code....70191



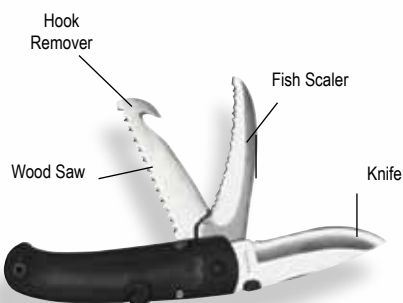
**Swiss Pocket Knife, Stainless Steel**

Code....70192



**Slipjoint knife "Fuentes", Stainless Steel**

Code....70194



## Cabin & Galley



Dinnerware Set  
"Exclusive"

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Sea Tableware "Exclusive" Range  
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## Hobs



- Max. Heat Output: 2.2Kw
- Gas Consumption: 160gr/h
- Gas Type: Butane
- Max. Pan Diam.: 26cm
- Weight: 1.4kg
- Dimensions: 343x284x113mm
- Colour: Silver Metallic
- Ideal for boats and camping
- Provided with a pressure regulating valve to reduce the pressure so as to prevent any accidents and with a safety mechanism which stops the gas flow in case that the pressure is increased dramatically
- Available with a very handy carrying case

Gas Hob, portable



Code.....71007

## Electric Coolers

### Electric Cooler/ Heater portable Sea Cool, 12V, 18L

This Electric Cooler/ Heater Sea Cool is ideal for the boat, car, camping or everywhere you need a portable cooler/ heater. It can be operated as a cooler by plugging the wire with the black end fitting facing the top (Picture 1) and as a heater by plugging the wire with the red end fitting facing the top (Picture 2). It cools up to 15°C below ambient temperature and it heats up to 30°C above ambient temperature. It is supplied with a 12V DC cigarette lighter plug and its capacity is 18L.

Code	31411
Capacity(lt)	18
Length(cm)	41
Width(cm)	29
Height(cm)	43

Cabin & Galley

Power: 12V, Consumption: Heat 4,5A, Cool 4,5A, Fuse: 5A



Sea Cool



Picture 1



Picture 2



## Isothermal Coolers

Sea Cool

### 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	31377
Capacity(lt)	13
Length(cm)	38
Width(cm)	22
Height(cm)	37,5



Code	31378
Capacity(lt)	48
Length(cm)	63
Width(cm)	33
Height(cm)	37



Code	70989
Capacity(lt)	80
Length(cm)	82
Width(cm)	41.5
Height(cm)	40



## Dinnerware, Beverageware & Flatware

### EXCLUSIVE

#### Sea Tableware "Exclusive" Range

With the Sea Tableware range of plates, glasses and cutlery, you and your friends will enjoy every bite and sip of your meal. If the words sophisticated, chic and stylish are part of your attitude and life style then the "Exclusive" range is just for you. The dinnerware range of plates, bowls, serving sets, cups and mugs gives all you need for an enjoyable breakfast, lunch and dinner. All items are made of 100% melamine and can be used in a microwave without any problems. For all the special celebrations the Sea Tableware "Exclusive" range includes shiny and stylish wine, champagne and water glasses to enjoy your drinks. You can also impress your guests with the elegant wine cooler, ice bucket and pitcher. Glasses are made of acrylic material, which does not break or chip. Finally, Lalizas offers you cutlery sets, made of stainless steel 18/10 with ABS handle, including forks, spoons, knives and teaspoons. All glasses and plates, except for the salad and the soup bowl, are available in sets of 6 pieces, whereas the cutlery in 24 pieces. Thanks to their top quality materials and construction all items in the "Exclusive" series are light, shock resistant, completely hygienic and especially designed to retain their original beauty and shine even after many uses.



Dinner Plate Set, Ø 26cm  
"Exclusive", 6 pcs  
Code..... 57210



Soup Plate Set, Ø 23cm  
"Exclusive", 6 pcs  
Code..... 57211



Dessert Plate Set,  
Ø 20cm "Exclusive", 6 pcs  
Code..... 57212



Cereal Bowl Set,  
Ø 15cm, "Exclusive", 6 pcs  
Code..... 57214



Serve Trays Set, Ø 40cm, Ø 30cm, Ø 23cm  
"Exclusive", 3 pcs  
Code..... 57216



Salad Bowl Ø 24cm,  
"Exclusive"  
Code..... 57213



Soup Bowl with  
cover "Exclusive"  
Code..... 57215



Espresso Cup Set  
"Exclusive", 6 pcs  
Code..... 57217



Mug Set  
"Exclusive", 6 pcs  
Code..... 57218



Cutlery Set "Exclusive",  
18/10 s.s./ABS,  
24pcs  
Code..... 57208



Water / Beverage  
Glass 355ml  
"Exclusive", 6 pcs  
Code.....57255

Wine Glass Set,  
220ml "Exclusive",  
6 pcs  
Code.....57254

Champagne Glass  
Set 177ml  
"Exclusive", 6 pcs  
Code.....57253



Set of 17 pcs



#### Dinnerware Set "Exclusive"

##### Includes

- Dinner Plate, Ø 26cm, 4pcs
- Dessert Plate Ø 20cm, 4pcs
- Cereal Bowl Ø 15cm, 4pcs
- Mug, 4pcs
- Salad Bowl Ø 24cm, 1pc

Code..... 57350

# LALIZAS 30 years

**14.300.000 Lifejackets**

sold in the past 30 years!

14.300.000 **people feel safer**  
with LALIZAS lifejackets!



***"...When Identity Matters"***





**BEST  
VALUE**

**NEW**

**Lifejackets Dry Bag Set  
with 4 or 6 pcs 70991 (100N)**

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**NEW**

**Waist Belt Extender for  
SOLAS Infl. Lifejackets**

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**Inflatable Lifejacket  
Protective Work Cover**

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**NEW**



**NEW**

**0098**

**Lifejacket LED Flashing  
Light "Safelite II"**  
water activated ON-OFF,  
L.S.A. Code

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**Lifejacket LED Flashing  
Light "Safelite III"**  
MON-MOFF-AUTO ON water  
activated, L.S.A. Code

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**NEW**

**BEST  
VALUE**

**Liferaft LED flashlight**

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## BUOYANCY AIDS / LIFE JACKETS

### What is a Buoyancy Aid?

Buoyancy aids are devices which are comfortable for continuous wear and provide lift, without significant face-up turning ability, to float the conscious user in sheltered waters.

### What is a Lifejacket?

Lifejacket is a device that provides face-up flotation with levels of support sufficient for various open & rough water uses. Lifejackets have a buoyancy distribution sufficient to turn most users, when tested on users wearing swimming costumes, to a position where the mouth has a defined distance above the water surface.

### What is the difference between a buoyancy aid and a lifejacket?

There is much confusion on what is the difference between a buoyancy aid and a lifejacket: Buoyancy aids are intended to help you stay afloat. On its own and without your contribution, it will not help you under all circumstances. Lifejackets, if they are properly worn and remain in good condition, will keep you afloat and keep your airways clear of the water, even if you are unconscious. Lifejackets can provide either 100, 150 or 275 Newton of buoyancy. Your choice should be based on what kind of seas you intend to cross.

### What is Buoyancy?

The lifejackets buoyancy is the force that pushes a person to the surface of the sea and is measured in Newtons. 10 Newton correspond to buoyancy of 1kg. A person of 100kg weighs 5kg in the water. This is explained as follows: the 80% of a person's weight is water (80kg), which has no weight in the sea and about 15% is fat (15kg), which is lighter than water. Consequently, by subtracting the weight of the body's water and fat from the total body weight, we end up with the real weight in the water.

### Categories

Buoyancy aids and lifejackets are divided into the following categories according to the buoyancy they offer:

- **Buoyancy Aid 50 Newton:** The buoyancy aid is intended for use by those who are competent swimmers and who are near to shore, or who have help and a means of rescue close at hand. They do not have sufficient buoyancy to protect people who are unable to help themselves. They require active participation by the user. These products are available in a wide variety of colours and designs, according to demands of each sport. However, the basic design is that of a jacket and they have inherently buoyant material.
- **Lifejacket 100 Newton:** This lifejackets' category is intended for those who have to wait for rescue, but are likely to do so in sheltered waters. These types of lifejackets should not be used in rough conditions.
- **Lifejacket 150 Newton:** This lifejackets' category is intended for general application or for use with full weather clothing. They will turn an unconscious person to a safe position and require no subsequent action by the user, to maintain this position.
- **Lifejacket 275 Newton:** This lifejackets' category is intended for offshore use under extreme conditions. It is also of value to those who are wearing clothing which traps air and they are designed to ensure that the user is floating in the correct position.
- **SOLAS Lifejacket:** SOLAS lifejackets are obligatory in commercial vessels and they are intended for emergency use and under all weather conditions. These lifejackets are provided with a strap around the waist for secure fit. SOLAS lifejackets are equipped with retro reflective tapes, whistle and a light (optional).

### Materials

Buoyancy aids and lifejackets have a durable Polyester outer shell and the soft buoyant material can be either PE or PVC. Both materials are durable and behave the same way in the water. The only difference between the two is the fact that soft PVC is more comfortable and has a better fit on the body. There are also lifejackets, whose buoyancy material is CO<sub>2</sub> gas and their outer shell is made of Nylon.

### Things you should always keep in mind

A buoyancy aid or a lifejacket will be effective only if:

1. You have chosen the right category and model, according to its intended use
2. You have chosen the right size, according to the weight and the size of the wearer
3. You wear it properly
4. You wear it at all times while at sea

Lalizas strongly suggests that you test any new lifejacket or buoyancy aid in shallow water first. In this way you can be certain that your choice is the correct one. It is imperative that you wear a buoyancy aid or a lifejacket while on board or during any water sports' activity, since they will save your life, if a problem occurs.

### The Regulations

Buoyancy aids and lifejackets, which are going to be used on recreational boats, fall within the scope of the Personal Protective Equipment Directive of the EU: 89/686/EOK. According to this regulation, such products follow specific procedures for their approval and must bear the CE mark.

Lalizas' lifejackets and buoyancy aids (used in recreational boats) have been approved according to the testing standard series ISO 12402 and more specifically according to ISO 12402-3 (150 Nt Category lifejackets), ISO 12402-4 (100 Nt Category lifejackets) & ISO 12402-5 (50 Nt Category lifejackets), depending on their category. Also, all the used materials have also been tested and certified according to ISO 12402-7 & ISO 12402-8. These testing standards provide more detailed and demanding requirements in comparison with the EN testing standard series.

The above mentioned standards refer to the minimum buoyancy that a lifejacket or a buoyancy aid should have, based on the size of the user. Specifically for an adult of 70 kg, a buoyancy aid should give at least 50 Newton buoyancy, while the lifejackets of 100 and 150 Newton should give the respective buoyancy. Moreover, the lifejackets should be made in such a way so as to turn an unconscious person in an upright position and keep the airways clear of the water. Any lifejacket or buoyancy aid without the authentic CE certification that is manufactured, distributed in vending points or sold is illegal in the European Union.

Also, Lalizas' SOLAS lifejackets (used for commercial boats), fully comply with the regulations [IMO Resolutions (MSC.201 (81), MSC.207 (81), MSC.200 (80), MSC.226 (82), MSC.218 (82), MSC.216 (82)], which are mandatory for all lifejackets used on EU vessels.

## GAS INFLATION LIFEJACKETS

### What is a Gas Inflation Lifejacket?

A gas inflation lifejacket is a Personal Flotation Device, whose buoyancy is produced by inflating it with a gas, which is provided in a compressed gas cylinder. Inflation is also possible by mouth. This type of lifejackets is used in their inflated form only at the time of need and not before.

### Versions of Gas Inflation Lifejackets

There are different versions of Gas Inflation Lifejackets. Specifically these lifejackets can have:

- Manual or automatic inflation system. The manual inflation device is activated only by pulling the cord downwards, while the automatic inflation device can be activated either automatically when it comes in contact with the water or manually. In all cases the lifejackets also have an oral tube as a back up or top up. Lalizas Gas Inflation Lifejackets for adults are available with either system, while those for children have automatic inflation system as obligatory, for extra safety.
- Integral safety harness or not. Some models offer the extra safety of an integral harness, where the lifeline is attached to avoid any injury caused by fall (from the boat). Lalizas Gas Inflation Lifejackets for adults are available with or without integral harness, while those for children have integral harness as obligatory, again for extra safety.

### General Characteristics

A Gas Inflation Lifejacket has one or two inflation chambers, manual or automatic inflation system, a CO<sub>2</sub> gas cylinder, an oral tube and the necessary harnesses or straps. For extra security, the inflation chambers are made of durable nylon fabric with PU coating, the single or twin seams are welded, while the straps or harnesses ensure an optimum fit to the body.

Gas Inflation Lifejackets are designed and constructed to offer the maximum safety and comfort and thus they are the best choice for sailing offshore and under all weather conditions.

### Categories

- **ISO Lifejacket 150 Newton:** This lifejackets' category is intended for general application or for use with full weather clothing. They will turn an unconscious person to a safe position and require no subsequent action by the user to maintain this position.
- **ISO Lifejacket 275 Newton:** This lifejackets' category is intended for offshore use under extreme conditions. It is also of value to those who are wearing clothing which traps air and they are designed to ensure that the user is floating in the correct position.
- **SOLAS Lifejacket:** SOLAS lifejackets are obligatory in commercial vessels and they are intended for emergency use and under all weather conditions. These lifejackets are in the form of belt with a strap around the waist for secure fit. SOLAS lifejackets are equipped with retro reflective tapes, whistle and a light (optional).



## The Regulations

Lalizas' Inflatable lifejackets, used on recreational boats, have been approved according to the testing standard series: ISO 12402 and more specifically according to ISO 12402-2 (275Nt Category lifejackets) & 12402-3 (150 Nt Category lifejackets), depending on their category. Also, all the used materials have also been tested and certified according to ISO 12402-7 & ISO 12402-8. These testing standards provide more detailed and demanding requirements in comparison with EN testing standard series.

Lalizas' SOLAS Inflatable Lifejackets (used for commercial vessels), fully complies with the regulations [IMO Resolutions (MSC.201 (81), MSC.207 (81), MSC.200 (80), MSC.226 (82), MSC.218 (82), MSC.216 (82)], which are mandatory for all lifejackets used on EU vessels.

## SAFETY HARNESSES & LINES

### What are the safety harnesses and lines?

A Safety Harness is a combination of webbing straps and one D-ring which is worn around the body. A Safety Line is a webbing strap, where one end is attached to the D-ring of the harness and the other end is attached to a secure point on the vessel, usually a jack line. These two products are always used together to ensure that you remain attached to the boat at all times, even if you fall overboard.

### What is a jackline?

A jackline or jack stay is a strap that runs along the deck on each side of the boat. The safety lines are attached to this to allow freedom of movement on deck.

### Versions of Safety Harnesses and Lines

#### Safety Harness

'Life-link' Safety Harness: This type of harness covers the upper body and when combined with the 'Life-link' Line it protects you from falling overboard.

#### Safety Line

Safety lines, which can be used in combination with the above harnesses, are available in various versions, according to the design, length and number of hooks.

#### 'Life-link' Safety Lines

Especially designed to suit everyone's needs and experience on board, Lalizas 'Life-link' Safety lines are available in four configurations: single, double, double elastic and triple hook. Thus according to their configurations Safety lines can be positioned in several places at the same time.

#### General Characteristics

For additional security, all Lalizas life link safety hooks have a double action design to prevent accidental opening whilst offering easy single-handed operation. Safety Harnesses and Lines should always be used while at work, as they can prevent serious injuries caused from a fall.

#### The Regulations

All Lalizas' harnesses & safety lines have been tested and certified according to ISO 12401:2009 testing standard. This testing standard has been applied since February 2010 and provides updated and more demanding specifications, in comparison to the previous EN 1095:1996 testing standard, concerning the efficiency & effectiveness of the above mentioned products.

## LIFERAFTS

### What is a liferaft?

A liferaft is a gas inflation life saving appliance used in cases of emergency evacuation from the boat in the sea.

#### Categories

Generally liferafts are divided into two categories, SOLAS, which are used in commercial vessels and those that are used in recreational boats. The latter are also divided into two subcategories depending on the intended use:

**IN-SHORE:** The liferafts of this category are intended for use in inland waters. Lalizas in-shore liferaft is CRUISER.

**OFFSHORE:** In this category the liferafts are intended for use away from shore or for racing purposes

#### Characteristics

A liferaft has two independent buoyancy chambers, floor, canopy, compressed CO<sub>2</sub> gas cylinder, water and the standard emergency equipment. Each buoyancy chamber on its own is able to give the necessary buoyancy and support the weight stated. All life rafts are vacuum packed and come either in a valise or an all weather rigid canister.

#### Materials

Liferafts are made of durable PVC and rubber according to the model. The buoyancy chambers are inflated with CO<sub>2</sub>, which is provided by a gas cylinder found underneath the liferaft.

#### Guarantee

All Lalizas liferafts have a 12 year guarantee, as long as the predetermined service takes place in a Lalizas authorized liferaft station.

#### Always keep in mind

Liferafts are effective as long as:

1. Your liferaft is regularly serviced at an authorized Lalizas service station
2. No additional weight or people, is placed on the liferaft apart from the one stated. Therefore, make sure that you have enough liferafts on board to cover the total number of passengers
3. It is not used as a seat or support for anything heavy
4. The liferaft is positioned properly and easily accessible
5. You follow the instructions manual in case of emergency

Liferafts are necessary on board, since in case of emergency will be proved priceless. Passengers and crew should be familiar with the liferaft and its equipment.

#### The Regulations

Lalizas' SOLAS Liferafts have been certified according to : SOLAS 74 as amended Reg. III/4, 13, 21, 26, 31 and 34, X/3 LSA-Code I,IV, MSC/Circ.811, 1994 & 2000 HSC Code Chapter 8, IMO Res. MSC 81(70), MSC.218(82), MSC.218(82), MSC.226(82), ISO 15738 (2002).

Lalizas' ISO Liferafts, used on recreational boats, have been tested and certified according to ISO 9650:2005 testing standard. This testing standard has been adopted by the most European Countries.

Two Colours

One Colour

**NEW**  
New Product



Advisor



Information



Best Value



Useful Hints



Best Quality



Unisex



Child



Competitive Price



CE Approved



Soft PVC



Batteries Operated



Guarantee



Captain's Suggestions

## Inflatable Lifejackets

### ADVISOR

#### The Regulations

Gas Inflation Lifejackets are divided into the categories of 150 and 275 Newtons, depending on the buoyancy they offer. Lalizas gas inflation lifejackets are approved according to ISO 12402-2 standard for the 275 Newton category & ISO 12402-3 standard for the 150 Newton category. The ISO 12402- 2 & 3 standards set the minimum buoyancy that a lifejacket should have according the size of the user. For example, a 150 Nt inflatable lifejacket, designed for an adult of approximately 70kg, should offer at least 150Newtons buoyancy. Lalizas products have been tested for their behaviour in the water, their endurance and for many more parameters, as required by the regulations. In the case of the automatic jacket, the tests which are required by the regulations are numerous and stringent. Gas Inflation Lifejackets, with 150 & 275 Newton buoyancy, are designed and tested so that, in the event you lose consciousness and faced down in the water, they will turn your face up within 5 seconds and keep the mouth freeboard no less than 10 & 12 cm respectively above the water surface. This type of product must have the CE certification, as it is included in the Personal Protective Equipment (PPE) Directive (89/686/EC) of the European Union. According to this Directive, it is forbidden to manufacture, distribute to vending points and sell products that do not have the CE certification and have not passed all the required procedures for their approval. In most cases, the products available in the market meet the required specifications. Nevertheless, there is the possibility that unsuitable or non certified products are also available. Thus, it is imperative that the end user is always informed and pays attention to the products available in each store.

#### Instructions of Use

**Donning:** Gas inflation Lifejackets are worn in the same way as conventional lifejackets. They fasten at the front with a durable, inox buckle. The models with a safety harness can be combined with a safety line.

**Function:** Depending on the type of mechanism available in each lifejacket, there are three ways to operate it.

- **Automatic Inflation:** The automatic device contains a special paper, which dissolves when it comes in contact with water and releases a compressed spring. After a series of mechanical actions, the CO<sub>2</sub> gas cylinder is pierced and the lifejacket is inflated. The automatic inflation device also allows for manual activation, which is operated as described below.

- **Manual Inflation:** The manual device is operated by pulling the cord downwards. The CO<sub>2</sub> gas cylinder is pierced and the lifejacket is inflated.

- **Oral tube:** All gas inflation lifejackets have also an oral tube as a back up or just to top up the lifejacket. In case the manual or automatic device does not operate (e.g. the cylinder has already been used and not replaced) then you can inflate the lifejacket by blowing into the oral tube. Although it may seem difficult, relevant tests have shown that this can be done in just one minute.

#### Service / Replacement

**Service:** Lalizas recommends that once a year your gas inflation life-jackets should be inspected at the Lalizas Service station. As with all Lalizas products, gas inflation lifejackets are constructed to endure harsh conditions. Nevertheless, should any of the following occurs for any reason, e.g. improper use, you should contact the Lalizas Service Station as soon as possible:

- Signs of corrosion on the CO<sub>2</sub> gas cylinder
- The device and/or the oral tube appear to have cracks
- Tears in the fabric or the seams
- Colour change
- The spare parts' expiry date has passed

#### Replacement:

In the event of your life-jacket firing for any reason - you can purchase any required spare parts for from shops stocking Lalizas products. When all green indicators are present in the manual or automatic system of the lifejacket (page 154) there is no need to replace any of the parts. In all other cases, where there is a red indicator, as shown in page 154, you should replace any relevant parts.

If you follow all instructions correctly and have your lifejacket inspected once a year by a Lalizas Service station, you will ensure its longevity and proper operation at time of an emergency.

#### SOLAS Inflatable Lifejackets 150N & 275N

Lalizas Inflatable lifejackets Lamda 150N, Lamda 275N & Delta 150N follow the latest SOLAS specifications for ultimate safety, while on board. They feature twin chambers for double security and each chamber can be inflated via its individual Lalizas automatic operating head (20260, certified per ISO 12402-7), which also supports manual activation. The inflatable chamber, which is made of High Visibility Yellow fabric, is folded into a valise with Velcro closure and its inflation tube incorporates the new Lalizas red pressure relief valves (20611, certified per ISO 12402-7). All models all are equipped with Lalizas retro reflective tapes (70180), a whistle (70010, certified per ISO 12402-7 & 8) and a lifting loop with yellow buddy line for easier rescue. Additionally, all approved Lalizas SOLAS lifejacket flashlights (70280, 71209, 71210) can be added. These extra user-friendly lifejackets, provide the maximum safety thanks to their fast inflation ability, even at very low temperatures and are available in one adult size, which can be easily adjusted to passengers with chest size up to 175cm or more, with the use of the Lalizas waist belt extender (71161).

All the models of the Lalizas SOLAS Inflatable Lifejackets series are designed to comply with the highest standards and are manufactured using top quality materials, in order to withstand the most adverse conditions in case of emergency. They are available in two different types, standard valise and belt-pack and their lightweight design makes them ideal for use on passenger boats, commercial vessels, yachts, fishing vessels and in all ships where storage space is limited.

The new top-of-the-range Lalizas SOLAS Lamda 275N inflatable lifejacket 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 275 Newton buoyancy provided by the double 60gr CO<sub>2</sub> cylinders.



Front

Back

#### Lifejacket Lamda Auto, SOLAS

Code	71107	71216
Newton	150	275



Lifejacket Belt-Pack, Delta Auto 150N, SOLAS

Code.....71108



NEW

#### Inflatable Lifejacket Protective Work Cover

Code.....71211



0098



#### Lifejacket Flashing Light "Safelite" Water Activated - L.S.A.Code

Code.....70280



#### Lifejacket LED Flashing Light "Safelite II" water activated ON-OFF, L.S.A.Code

Code.....71209



Front



NEW

#### Waist Belt Extender for SOLAS Infl. Lifejackets

Code.....71161



NEW

#### Lifejacket LED Flashing Light "Safelite III" MON-MOFF-AUTO ON water activated, L.S.A. Code

Code.....71210



## Inflatable Lifejackets Omega 275N, CE ISO 12402-2

The new range of Omega inflatable lifejackets 275N complies with ISO 12402-2. Omega gas inflation lifejackets' slim fit, light weight design and rugged constructions are combined to form the ultimate in lifejacket technology. According to each code, they feature one chamber which can be inflated via Lalizas manual operating head (20220, certified per ISO 12402-7) or via Lalizas auto operation head (20260, certified per ISO 12402-7) and bear oral inflation tube incorporating Lalizas valves (20610, certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon red valise with Velcro closure and it is also equipped with Lalizas retro reflective tapes (70180) and whistle (70010, certified per ISO 12402-7 & 8). They are provided with lifting loop and heavy duty D-ring for easier rescue.

Code	71103	71104	71105	71106
Adult	•	•	•	•
Automatic Gas	•		•	
Manual Gas		•		•
With Harness	•	•		



**Lifejacket Flashing Light**  
"Safelite" Water Activated -  
L.S.A.Code  
Code.....70280



Auto heads designed not  
to fire in heavy weather

Twin welded air  
bladder seam for  
double security

Oral-tube



### 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 CO<sub>2</sub> bottles
- 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



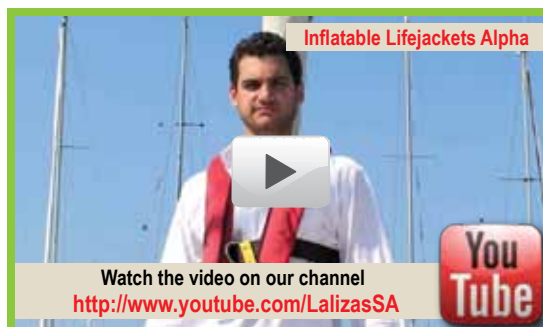
Safety

## Inflatable Lifejackets Alpha 150N, 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 rationalised design for the coastal and inshore yachtsmen. According to each code, they feature one chamber which can be inflated via Lalizas manual operating head (20220, certified per ISO 12402-7) or via Lalizas auto operation head (20260, certified per ISO 12402-7) and bear oral inflation tube incorporating Lalizas valves (20610, certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon red valise with Velcro closure and silver ending and it is also equipped with Lalizas retro reflective tapes (70180) and whistle (70020, certified per ISO 12402-7 & 8). They are provided with lifting loop and heavy duty D-ring for easier rescue.



Code	71098	71099	71100	71101	71102
Adult	•	•	•	•	
Child					•
Automatic Gas	•		•		•
Manual Gas		•		•	
With Harness	•	•			•



## Inflatable Lifejackets



### Inflatable Lifejackets Sigma 150N, 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. This cost effective lifejacket is available, in red and its transparent area allows the user to check the operating head function. According to each code, they feature one chamber which can be inflated via Lalizas manual operating head (20220, certified per ISO 12402-7) or via Lalizas auto operation head (20260, certified per ISO 12402-7) and bear oral inflation tube incorporating Lalizas valves (20610, certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon red valise with Velcro closure and it is also equipped with Lalizas retro reflective tapes (70180) and whistle (70010, certified per ISO 12402-7 & 8). They are provided with lifting loop and heavy duty D-ring for easier rescue.

Code	71094	71095	71096	71097
Adult	•	•	•	•
Automatic Gas	•		•	
Manual Gas		•		•
With Harness	•	•		

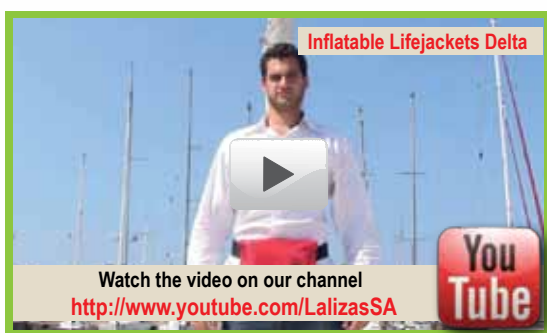


#### Alpha and Sigma Lifejackets feature the following characteristics:

- CE ISO 12402-3 approval
- CE ISO 12401 approval on all integral black harnesses
- Twin welded air bladder seam for double security (Alpha)
- Ultra reliable firing mechanism
- Compatible with all major suppliers CO<sub>2</sub> 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



The transparent area allows the user to check the operating head function. The green indicator on the safety means "Ready for action", while the red indicator means "NOT ready for action"



### Inflatable Lifejackets Belt-Pack, Delta 150N, CE ISO 12402-3

Lalizas ISO 12402-3, Belt pack ISO Delta 150N inflatable lifejackets, comply with the latest ISO 12402-3 specifications for ultimate safety while on board. They feature one chamber which can be inflated via a Lalizas manual (71109) or automatic (71201) operating head (20220, certified per ISO 12402-7) respectively and bears oral inflation tube, incorporating Lalizas black valves (20610, certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon valise with Velcro closure and it is also equipped with Lalizas retro reflective tapes (70180) and whistle (70010, certified per ISO 12402-7 & 8). The ISO Delta user-friendly lifejackets provide the maximum safety, thanks to their fast inflation ability, even at very low temperatures. Ideal for all ships, especially the small ones where storage space is limited. They are provided with lifting loop, for easier rescue.

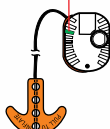
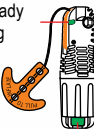


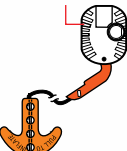
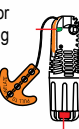
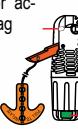
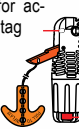
Front

Code	71109	71201
Manual Gas	•	
Automatic Gas		•





Manual System Lalizas	Automatic System Lalizas
<b>OK</b> With green "Ready for action" tag 	<b>OK</b> With green "Ready for action" tag  Green Indicator "Ready for action"

Manual System Lalizas	Automatic System Lalizas		
<b>STOP</b> Without green "Ready for action" tag 	<b>STOP</b> With green "Ready for action" tag  Red Indicator "NOT Ready for action"	<b>STOP</b> Without green "Ready for action" tag  Green Indicator "Ready for action"	<b>STOP</b> Without green "Ready for action" tag  Red Indicator "NOT Ready for action"

## Inflatable Lifejackets Accessories



**Manual re-arm kit (Adult's Lifejacket, 33 gr CO<sub>2</sub>)**  
Code.....20160



**CO<sub>2</sub> Cylinder, 60gr.**  
Code.....02197



**Auto re-arm kit for JS 1 (Adult's Lifejacket, 33 gr CO<sub>2</sub>)**  
Code.....20190



**CO<sub>2</sub> Gas Cylinder, 33gr.**  
Code.....00348

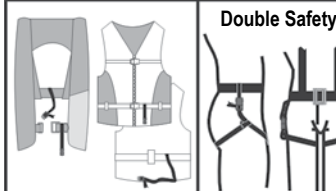


**Auto re-arm kit for JS 1 (Child Lifejacket, 22 gr CO<sub>2</sub>)**  
Code.....20200



**CO<sub>2</sub> Gas Cylinder, 22gr.**  
Code.....00349

### FITTING INSTRUCTIONS FOR 20210



### Harness & Lifejacket crotch strap

The crotch strap can be used with all Lalizas lifejackets / buoyancy aids and harnesses.

Code.....20210

NEW



### Waist Belt Extender for SOLAS Infl. Lifejackets

Code.....71161

Safety



### Inflatable Lifejacket Protective Work Cover

- Provides shielding against heat, sparks, flame, soft chemicals
- Easy fit / Simple to use design
- Lightweight fabric
- Does not affect the operation, behaviour & water performance of the protected lifejacket

Suitable for



**Flameproof**



1. Turn the protective work cover, so that you face its back side
2. Open the cover around its Velcro tape and unfold it
3. While unfolded, make sure the square belt edges lie towards the center

4. Turn the inflatable lifejacket, so that you face its back side
5. Place the lifejacket on the open protective cover
6. Pass the unfolded cover side through the lifejacket's center



7. Open the square left belt edge of the cover



8. Place it under the center of the belt



9. Then pass it around the lifejacket's left belt holder (under the belt)



10. Close the cover's belt edge & secure the lifejacket's belt holder



11. Repeat the procedure with the right square belt edge of the cover



12. Close the cover around the lifejacket, using the cover's peripheral velcro tape



13. Once the protective work cover is properly adjusted, the lifejacket is ready for use





### Service Inflatable Lifejackets

Lalizas recommends that once a year your gas inflation lifejackets are inspected at the Lalizas Service station. As with all Lalizas products, gas inflation lifejackets are constructed to endure harsh conditions. Nevertheless, should one of the following takes place for any reason, e.g. improper use, you should contact the Lalizas Service Station as soon as possible:

- Signs of corrosion on the CO<sub>2</sub> gas cylinder
- The device and/or the oral tube appear to have cracks
- Tears in the fabric or the seams
- Colour change
- The spare parts' expiry date has passed

If you follow properly the instructions of use and have your lifejacket inspected once a year by Lalizas Service station, you ensure its longevity and proper operation at time of an emergency.

Technical Characteristics for Gas Inflation Omega / Alpha / Sigma / Lamda / Delta Lifejackets

Code	Approval		Automatic System	Manual System	Child Lifejacket	CO <sub>2</sub> Gas Cylinder			Twin welded air bladder seam	Twin Chambers	Retro reflective tape	Oral-tube	Stainless buckle	Safety harness	Whistle	Heavy-Duty, Stainless D-Ring	Colour
	CE ISO 12402	SOLAS				33gr	60gr	22gr									
71094	✓		✓			✓					✓	✓	✓	✓	✓		Red
71095	✓			✓		✓					✓	✓	✓	✓	✓		Red
71096	✓		✓			✓					✓	✓	✓		✓		Red
71097	✓			✓		✓					✓	✓	✓		✓		Red
71098	✓		✓			✓			✓		✓	✓	✓	✓	✓	✓	Red
71099	✓			✓		✓			✓		✓	✓	✓	✓	✓	✓	Red
71100	✓		✓			✓			✓		✓	✓	✓		✓	✓	Red
71101	✓			✓		✓			✓		✓	✓	✓		✓	✓	Red
71102	✓		✓		✓			✓	✓		✓	✓	✓	✓	✓	✓	Red
71103	✓		✓				✓		✓		✓	✓	✓	✓	✓	✓	Red
71104	✓			✓			✓		✓		✓	✓	✓	✓		✓	Red
71105	✓		✓				✓		✓		✓	✓	✓		✓	✓	Red
71106	✓			✓			✓		✓		✓	✓	✓		✓	✓	Red
71107		✓	✓			✓				✓	✓	✓	✓		✓		Red
71108		✓	✓			✓				✓	✓	✓	✓		✓		Black
71109	✓			✓		✓					✓	✓	✓		✓		Red
71201	✓		✓			✓					✓	✓	✓		✓		Red

How you wear Gas Inflation Lifejacket



How to manually activate an inflatable lifejacket



## CE Kids' Lifejackets



### Child's Lifejacket, Chico 100N, CE ISO 12402-4

Chico 100Nt lifejacket provides an improved fit and maximum safety. A large flotation collar supports the child's head, while the small size also features a fabric pampers and a crotch strap for greater safety. Its foam distribution provides quick turn and face properly out of the water. 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 2 sizes.



Code	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71073	15-30	60-70	45
71074	30-40	70-80	55



### Child's Lifejacket, Chico 150N, CE ISO 12402-3

Chico 150Nt lifejacket provides an improved fit and maximum safety. A large flotation collar supports the child's head, while the small size also features a fabric pampers and a crotch strap for greater safety. Its foam distribution provides quick turn and face properly out of water. 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 easier rescue. Approved to the latest European standards for 150 Newton 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 2 sizes



Code	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71075	15-30	60-70	60
71076	30-40	70-80	75



Chico child's lifejacket can be used in perfect combination with the inshore sailing jacket and trousers for children. For more information on the inshore sailing jacket and trousers for children, turn to page 10



Safety

## LALIZAS & actionaid

Every year, more than 300 million people - including 60 million children - are affected by conflict or natural disasters.

ActionAid is an international anti - poverty agency whose aim is to fight poverty and injustice worldwide. Formed in 1972, for over 35 years it has been growing and expanding to where it is today - helping millions of the world's poorest and most disadvantaged people in more than 40 countries.

ActionAid's vision is a world where even the poorest and most vulnerable people can have their rights to food, shelter, work, education and healthcare secured.

Lalizas Hellas S.A. shares ActionAid's vision and initiates a unique collaboration beyond the narrow scope of occasional charity.

By donating 1€ from the sale of every child's life jacket, they support children in conflict and disasters worldwide and they help ActionAid secure their right to a better future.

For further information or if you want to contribute to ActionAid's programs please call:

ActionAid Hellas  
52 Falirou, 117 41, Athens  
Tel: 801 11 900 800, Fax: 210 9212376  
email: info.hellas@actionaid.org, www.actionaid.gr





## Pets Lifejackets



### Pet Retriever Buoyancy Aid & Harness

Keep your pet safe on board with the Lalizas Pet Retriever Buoyancy aid and Harness. The Lalizas Pet Retriever features a foam construction buoyancy aid and strong lifting loop to enable you to retrieve your pet. Suitable for both dogs and cats. Available in four sizes from extra small to large.

Code	20020	20021	20022	20023
Weight (Kg)	< 8	8-15	15-40	> 40
Chest circumference min-max (cm)	25-48	30-60	43-84	46-95



BEST VALUE

## Watersports Buoyancy Aids

### ADVISOR

#### Use

Buoyancy aids are intended for swimmers and when the shore or any help are close.

For this reason they are mostly used for water sports with varying demands. In order to meet the demands of each sport, a wide variety of designs has been developed. Specifically, Lalizas offers buoyancy aids for sailing, canoeing, kayak, dinghy sailing and water skiing. Such a variety could make your decision more difficult than easier. However, you should always keep in mind that each model of buoyancy aid is designed to offer safety, fit and ease of movement, depending on the conditions of each sport. Therefore, Lalizas suggests that first you decide what sport you want to practice and then choose the appropriate buoyancy aid.

#### Instructions of Use

Buoyancy aids are available in the form of a jacket. The type of closure depends on the demands of each sport, so as to have a better fit on you. You wear the buoyancy aid over your shoulders and zip or fasten the straps. The buoyancy aid is worn headfirst and then you zip it and adjust the straps, so as to have a comfortable fit but not too tight.

#### Maintenance / Replacement

Lalizas products are manufactured following the highest construction standards, so that you may enjoy the best combination of quality, durability and safety. Nevertheless, if you do not use properly your buoyancy aid and one of the following happens, you should replace it with a new as soon as possible.

- The seams on the shoulders, on the side or the straps are worn out
- The straps have tears
- The clips are broken
- The outer shell of the buoyancy aid is torn or has cuts
- The elastic parts are worn out and it does not have a comfortable fit (too loose)

In order to avoid all of the above, you should keep your buoyancy aid away from extreme temperatures, flame and any sharp surfaces. Also after each use, you should wash it with clear lukewarm water. Always keep in mind that you should maintain your buoyancy aid in good condition and always wear it while at sea, as it will be proved to be valuable to you, when you need it.



Watch the video on our channel

<http://www.youtube.com/LalizasSA>

You Tube



### Neo Buoyancy Aids 50N, CE ISO 12402-5

The Neo Buoyancy aid is a new design, which features a neoprene outer shell for tighter and stylish fit, while its buoyant material is soft PVC offering a new level of comfort and buoyancy. It also features two webbing moving fasteners for total safety, plastic zip, net holes for removing water and SOLAS retro reflective tapes. 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 5 sizes, in white/red/black colour combination.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71068	Child	25-40	65-80	40
71069	Adult	40-50	80-90	45
71070		50-70	90-100	50
71071		70-90	110-120	55
71072		>90	120-130	60



BEST VALUE



## USEFUL HINTS

### Water Skiing

#### Water Skiers

As a water skier you should always:

- Be a good swimmer and wear a lifejacket and a wetsuit or drysuit
- Check that your equipment is in good condition and replace it if necessary
- Watch the water ahead of you and stay away from solid obstacles such as boats, mooring buoys, rocks, etc.

- Avoid falling forward, but sit down or if you fall sideways, curl yourself into a ball
- Always let go of the handle when you are falling

- Ski parallel to the shore and when returning to land, do so slowly
- If you fall, keep the skis near, they will assist you to stay on the surface

Apart from these rules, as a water skier you should never:

- Wrap the rope around parts of the body such as foot, hands or fingers
- Ski in unknown or shallow waters or even at night
- Ski ahead of or to the side of another boat

#### Ski Boat Driver

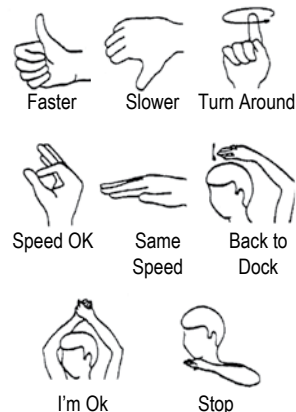
The Ski Boat Driver should always:

- Have competent observer on board at all times, whether towing a skier or not
- Make sure that the observer understands water ski signals.
- Wait for the water skier's tips above the water and then give a smooth and steady pull on take off
- Turn with gradual wide arc turns
- Return immediately to pick up the skier and always carry an extra lifejacket in the boat
- Shut off your motor before taking aboard a skier
- Be insured against third party risks

Also, as a ski boat driver you should never:

- Drive the boat through restricted areas or beaches with swimmers
- Drive the boat near other boats or floating obstacles

#### Water Skiing Hand Signals



## ADVISOR

### Jet ski Users

Jet Ski users should conform with the following:

**YOUNG PERSONS:** Supervision by an adult is very strongly recommended when children aged under 16 are using a PWC. In some countries there are age restrictions on children using PWC's. Local regulations must be adhered to

**PRE-LAUNCH CHECKS:** You should always check whether the hull is intact and the seats / hatches are secure. Also, check that the engine operates efficiently, check fuel to ensure adequate fuel for your trip and apply noise baffles if necessary

**SAFETY GEAR:** Always carry a fire extinguisher, pyrotechnics, First Aid kit, knife, tool kit (including spare spark plug), anchor and line, foot protection and check for full petrol and correct oil level

**LEGAL REQUIREMENTS:** Always have aboard your insurance, registration certificate and your hull number displayed (see local regulations). Use only in PWC designated areas

**OFF SHORE CRUISING:** Always have a compass, VHF radio (hand held), charts and a plan for your trip.

**AFTER USE CHECKS:** Flush through the engine with fresh water and check that everything is secured for road transportation. Finally check that the light board is working

### Slalom Buoyancy Aid 50N, CE ISO 12402-5

The Slalom Buoyancy Aid has an improved design that provides tighter and convenient fitting on the wearer. It features a polyester outer shell, while its buoyant material is Soft PVC. It offers a new level of comfort and buoyancy, webbing fasteners and one top waist webbing fastener for total safety, plastic loop for keys, net holes for removing water and SOLAS retro reflective tapes. 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 4 sizes, in blue/black colour combination.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71064	Child	25-40	65-80	40
71065	Adult	40-70	80-100	50
71066		70-90	100-110	55
71067		>90	110-125	60



### Easy Rider Buoyancy Aids 50N, CE ISO 12402-5

The Easy Rider Buoyancy Aid is a basic and economic version for water sports. It covers the waist and back throughout the body, while it remains comfortable. It includes one fixed and one adjustable webbing fastener, whistle and SOLAS retro reflective tapes. Approved to the latest European standards for 50Newton 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 2 sizes, in orange/yellow colour combination.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71089	Child	25-40	65-80	40
71090	Adult	>40	80-130	55



## Watersports Buoyancy Aids

### USEFUL HINTS

#### Windsurfing

**On the Water:** You should never windsurf alone, always surf in company in case you need help.

**Wind & Tide:** Never surf in an offshore wind, as it can be very dangerous. Offshore winds tend to increase in strength the further you go and will eventually take you away from your base. Choose a beach where the wind is blowing cross-shore or cross-on. Avoid surfing in poor visibility, such as surfing at dusk and in a sea mist. Finally, be very careful of the tides, as a strong tidal stream can also sweep you far from base.

**Condition of Equipment:** Before going afloat for windsurfing, you should always check your equipment thoroughly. First of all, check all parts of the sail board for signs of wear. You should ensure the deck plate is fitted securely, so the rig and board will not separate and always check the mast for any damage. When you rig the sail, you should ensure that the ropes are not frayed if so, always replace them. Make sure that the ropes are cleated and tied off. After use, wash off your equipment with clean, fresh water. For further security, mark the board and the rigging with your name and telephone number using a security pen.

**Self Rescue:** Undoubtedly, it is better to be safe than sorry. Therefore, always be prepared for the worst and know how to rescue yourself without another's help. In order to self-rescue, you should always carry spare rope and either a dayglo flag or pocket flare for attracting attention. Also, it is vital to know the international distress signal - raise and lower both arms either side of your body, but you should not cross them above your head. NEVER LEAVE YOUR BOARD, as it will help you stay on the surface and help would-be rescuers to notice you. Finally, it is better to attempt a self-rescue before you become cold or exhausted.

**The Butterfly Technique:** This technique should be used under calm weather conditions. Turn the rig around so that the boom lies across the board and the mast points towards the back. Lying on your front and using your legs to keep the sail out of the water, start paddling, while in strong winds, roll up the sail before attempting the self-rescue. Only in extreme conditions and if you are in reach of the shore, should you leave your rig behind and paddle to shore. If you ever have to abandon any equipment, inform the Coastguard.

#### Pro Race Buoyancy Aids CE 50N

The Pro Race buoyancy aid has been designed as the "ultimate" high performance jacket. It's compact construction is ideally suited for dinghy sailors, sport canoeists and windsurfers. The Pro Race buoyancy aid features soft PVC foam buoyant material, double sided Velcro waist straps, side entry zip and a mesh front pocket. Our unique double velcro waist strap makes the Pro Race series fully adjustable to a variety of chest size users. Available in three sizes and in two different colour combinations.

● Code	20343	20344	20345
● Code	20353	20354	20355
Buoyancy (N)	52	60	62
Body Weight (Kg)	30-50	50-70	>70
Chest size (cm)	70-12	75-130	80-140



Our unique double velcro waist strap makes the Pro Race series fully adjustable to a variety of chest size users



Pro race buoyancy aid has elastic band shoulders, designed to fit younger users



The Pro Race buoyancy aid gives you safety and freedom of movements, while Kevlar and Amara gloves offer you protection while at sea. For more information on the gloves turn to page 19

Safety

### USEFUL HINTS

#### Canoeing / Kayaking

**Before you leave:** Before you start your trip you should always inform a responsible person on shore or the Coastguard of your plans. First of all, you should give the number of persons involved, the name of the center or organization and the area of the operation. Also, the number of canoes / kayaks, as well as, their types (singles, doubles, etc.) should be specified. Remember to inform the Coastguard of the start and finish points, along with your ETA. Immediately notify the responsible person or the Coastguard of any change in your plans as well as, the revised time the activity is scheduled to be completed.

**Be prepared:** You should always have the proper equipment when going afloat. This equipment includes a suitable paddle and spares, adequate spare clothing, buoyancy aids or life jackets, a spray cover fitted with a release strap and a safety helmet. Additionally, an accurate compass, an updated chart, First Aid and repair kits plus distress flares are equipment that should always be carried. It is suggested that you carry a waterproof container for all necessary equipment, while for longer trips you should take with you emergency food, means of providing a hot drink as well as an exposure bag (TPA). Apart from the above equipment, canoeists and kayakers should follow some basic rules. First of all, the canoe or kayak should have maximum buoyancy at both ends. Grabs and toggles should be fitted at each end, as they provide suitable holding areas, in case of rescue. Also, the deck lines should be taut and not take up other areas. Lastly, for safety and identification, it is suggested that the canoe / kayak is painted in a bright colour and the name and address of the owners organisation is clearly marked inside the cockpit.

#### On the Water

- Follow the plan given to your shore contact
- Don't canoe or kayak on your own. It is recommended to have at least three people in company
- In case of emergency stay with your craft
- Always have a waterproofed VHF radio with you
- It is better to use a combination of safety equipment rather than relying on just one method

#### 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 3 sizes, in blue/white colour combinations.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71091	Child	25-40	65-80	40
71092	Adult	40-70	80-100	50
71093		>70	100-130	55



The Performance buoyancy aid can be used in combination with the canoe-kayak paddle (50280), even if they are not of the same class. For more information on paddles, turn to page 46



## USEFUL HINTS

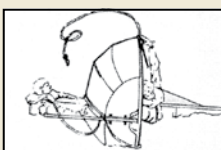
### Dinghy Sailing

#### Recovery of a Dinghy

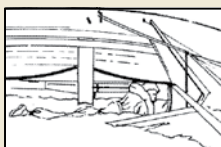
Sailing dinghies often capsize. Therefore, it is vital that the helm and crew should always know the correct way to return the dinghy to its upright position.



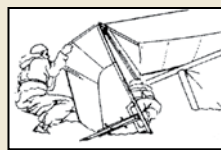
1. The helmsman and crew should check whether the rudder is secure. Using the mainsheet as a lifeline, the helmsman should swim around the outside of the boat to the centerboard



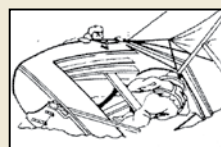
2. The crew should check whether the centreboard is down, while the helmsman should hold on to it - to prevent the dinghy from inverting



3. The crew should throw the jib sheet over to the helmsman



4. The crew should lie in the floating hull



5. The helmsman then climbs onto the centreboard and leans back holding onto the jib sheet

6. As the dinghy returns to its upright position, the crew is scooped in and then helps the helmsman back on board

### Action Buoyancy Aids 50N, CE ISO 12402-5

The Action Buoyancy Aid has an improved design, which provides tighter and convenient fitting on the wearer. It features a polyester outer shell, while its buoyant material is Soft PVC. It offers a new level of comfort and buoyancy, double webbing fasteners for total safety, 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 4 sizes, in orange/black colour combination.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71060	Child	25-40	65-80	40
71061	Adult	40-70	80-100	50
71062		70-90	100-110	55
71063		>90	110-125	60



Safety

### CE & ISO Foam LifeJackets

#### ADVISOR

#### Use

100 Newton lifejackets are intended for use in semi-protected waters. Unlike buoyancy aids these lifejackets can be used also by non-swimmers. Given their importance as a lifesaving appliance, when designing 100Newton lifejackets, far more emphasis is given on the safety aspect and less on the appearance. Their colour varies between yellow and red and they have retro-reflective tapes in order to be clearly visible from a distance. It is important to stress that 100 Newton lifejackets are not suitable for use offshore, in these situations the use of 150 Newton lifejackets is mandatory.

#### Instructions of Use

100 Newton lifejackets may be either jackets or belts. A lifejacket is worn over the shoulders, zipped and then strapped. A lifebelt is worn headfirst through the relevant cut and the strap around your waist is fastened securely.

#### Maintenance / Replacement

While at sea the lifejacket is a potential life-saver and as such must be maintained well. For this reason, always, avoid extreme temperatures, flame and any sharp surfaces. Also after each use, you should wash it with clear lukewarm water. You must always maintain your buoyancy aid, and wear it at all times while at sea. Lalizas products are manufactured following the highest construction standards, this results in a high degree of effectiveness and durability.

However, a jacket should be replaced if:

- The seams on the shoulders, on the side or the straps are worn out.
- The straps have tears
- The clips are broken
- The outer shell of the buoyancy aid is torn or has cuts
- To ensure your continual safety, you should always keep your lifejacket in good condition and always wear it while afloat.

#### USEFUL HINTS

### Sail Cruising

#### Before You Set Sail

Before you set sail, it is very important that you follow the guidelines below:

1. Inform the crew about the type, location and use of all safety equipment on board

**Every person on board should know where to find and how to use:**

- Safety harnesses and Lifejackets
  - Pyrotechnics & Fire Extinguishers
  - Liferaft
  - VHF Radio (It is important that everyone knows how to send and receive a radio distress message)
2. When you plan your voyage, take into account
    - Weather forecast
    - Tidal streams and heights
    - Any harbours of refuge along the route
    - You should explain the route to the crew informing them about all of the above
  3. Store all your equipment securely
  4. Check the oil and water levels, carry out a test run of the engine. Also, have on board a spare water pump impeller, spare fuel/oil filters and a spare fan belt. Keep spare oil and fuel in separate tanks from the main tank
  5. Before you set sail, check whether you have enough fuel, water, food and gas for the trip
- At Sea**
1. Always wear life-jackets and use safety harnesses to avoid falling overboard
  2. Make sure you are aware of man overboard recovery methods and practice them frequently
  3. Keep up to date with current weather forecasts and be prepared to make the necessary changes to your plans
  4. If it is windy, reef early, before leaving harbour if possible
  5. Keep a good all-round lookout and regularly update the chart with your position
  6. Keep the boat tidy and check for any damage
  7. If the crew shows signs of cold or seasickness, keep them warm and comfortable



## CE & ISO Foam LifeJackets



### Lifejackets 100N, CE ISO 12402-4

The 100Newton 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 100Newton 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 colour.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71077	Child	15-30	60-70	45
71078		30-40	70-80	55
71079	Adult	40-50	80-90	66
71080		50-70	90-100	88
71081		70-90	110-120	105
71082		>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 6 sizes, in fluorescent orange colour.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
71083	Child	15-30	60-70	65
71084		30-40	70-80	80
71085	Adult	40-50	80-90	99
71086		50-70	90-100	140
71087		70-90	110-120	155
71088		>90	120-130	165



Safety

### ISO 12402 Lifebelts Series

The series of ISO 12402 Lifebelts of 100Nt & 150Nt have been tested and certified per the EN ISO 12402-3, EN ISO 12402-4, EN ISO 12402-7 and EN ISO 12402-9 testing standards according to directive 89/686/ EC for recreational boats. They are equipped with a waist webbing of 30mm width, retro reflective tapes (IMO Resolution A.658 (16)) and the EN ISO 12402-7 & EN ISO 12402-8 whistle approved.



BEST VALUE



Adult



Child

### Lifebelt 100N, CE ISO 12402-4

The 100 Nt lifebelts have been designed for people who may have to wait for rescue, but are likely to do so in sheltered water. They have been tested and certified per the EN ISO 12402-4, EN ISO 12402-7 and EN ISO 12402-9 testing standards according to directive 89/686/ EC for recreational boats. They come equipped with a 30mm width waist webbing, 100cm² retro reflective tapes (IMO Resolution A.658(16)) and the EN ISO 12402-7 and EN ISO 12402-8 whistle approved.

	Child	Adult
Code	70992	70991
Body Weight (Kg)	15-40	>40
Chest Size (cm)	50/80	80/125
Buoyancy (N).	>50	>100



BEST  
VALUE



Adult



Child

#### Lifebelt 150N, CE ISO 12402-3

The 150 Nt lifebelts have been designed for general application or for use with full weather clothing. They are also capable to turn an unconscious person into a safe position and require no subsequent action by the user to maintain this position.

The 150 Nt lifebelts have been tested and certified per the EN ISO 12402-3, EN ISO 12402-7 and EN ISO 12402-9 testing standards according to directive 89/686/ EC for recreational boats. They come equipped with a 30mm width waist webbing, 300cm<sup>2</sup> retro reflective tapes (IMO Resolution A.658 (16)) and the EN ISO 12402-7 & EN ISO 12402-8 whistle approved.

	Child	Adult
Code	<b>70994</b>	<b>70993</b>
Body Weight (Kg)	15-40	>40
Chest Size (cm)	50/80	80/125
Buoyancy (N).	>75	>150

#### Lifejackets Dry Bag

This simple and easy to use Lifejackets' Dry-bag by Lalizas, stands out as the most intelligent and waterproof storage solution for all the necessary safety equipment of your boat. Made from durable transparent material, without any unnecessary seams, it meets the minimum space consumption requirements, and offers the ability of immediate use in case of an emergency or a boat inspection. It is specially designed for storing foam lifejackets of 100N or 150N, while at the same time can secure all hand and smoke signals required by regulations, in the available space between the lifejackets' neck grooves.

Available in 3 sizes, as well as 2 sets of a Dry Bag and 4 or 6 foam lifejackets (100N) respectively.



\*Lifejackets not included

BEST  
VALUE

NEW



#### Lifejackets Dry Bag

Code	Size	Dimensions (cm)	Suitable for LALIZAS Lifejackets		
			<b>70991</b> (100N)	<b>70993</b> (150N)	<b>70159</b> (Solus '74)
<b>71220*</b>	1	93x57x36	4	3	5
<b>71221*</b>	2	93x68x36	6	4	7
<b>71222*</b>	3	93x93x36	9	6	10

#### Lifejackets Dry Bag Set with 4 or 6 pcs 70991 (100N)

Code	Included	Dimensions (cm)
<b>71223</b>	4түх 70991 (100N)	60x36x28
<b>71224</b>	6түх 70991 (100N)	60x36x45

#### Work Vest 50N, CE ISO 12402-5

The work vest is specifically designed and constructed for use in the work environment. It is open on the side areas for light wearing and it features a polyester anti fire outer shell, while its buoyant material is soft PE. Its two waist webbings are adjusted by the stainless steel buckles, while the vest is fastened by using the stainless steel D-rings and hooks. It is provided with SOLAS retro reflective tapes. It has also a fabric pocket for placing tools or other light equipment. 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 one adult size and in orange colour.

Code	Type	Weight (kg)	Chest Size (cm)	Buoyancy (Nt)
<b>71144</b>	Adult	>40	80-130	50



BEST  
VALUE



#### Accessories of Work Vest

Code	Description
<b>71153</b>	Buckle for 71144, Inox 304, 34x26,5x3mm, ISO 12402-8
<b>71154</b>	D-Ring for 71144, Inox 304, 25x20mm, ISO 12402-8
<b>71155</b>	J Hook for 71144, nickel plated steel, ISO 12402-8

71154



71153



71155



Safety

## SOLAS LifeJackets

### ADVISOR

**The regulations:** SOLAS lifejackets come under Directive 96/98/EC of the European Union, which refers to the obligatory marine equipment on EU vessels. In addition to lifejackets, this regulation also includes all types of personal life saving appliances that may be required on-board community ships. The lifejackets in this category are approved to the SOLAS (Safety Of Life At Sea) regulations and should always bear the relevant certification, in this case the ship's wheel mark. SOLAS lifejackets can save a person's life anywhere and irrespective of most weather conditions. Therefore, the tests that these lifejackets are subjected to, are far more demanding. Much greater emphasis is given on their effectiveness as lifesaving appliances than on their aesthetic appeal.

**General characteristics:** The colour of SOLAS lifejackets is always orange, and has been standardised, since orange is visible under all weather conditions. Furthermore, all jackets should have retro-reflective tapes, which are visible from an even longer distance.

**Use:** The owner is required to equip the vessel with the required number of SOLAS lifejackets and ensure their accessibility in the event of an emergency. SOLAS lifejackets are not as comfortable as 100 Newton lifejackets or buoyancy aids. SOLAS lifejackets are only worn when required, and are able to keep the wearer afloat, irrespective of their size, and weather conditions.

**Instructions of Use:** Most SOLAS lifejackets are designed in the form of lifebelt. When required the jacket should be fitted headfirst, the straps should fit well without being too tight or too loose. The jacket should always be worn with the retro-reflective tape uppermost.

**Maintenance / Replacement:** It is the shipping company's responsibility to ensure that all lifejackets are well maintained. The replacement of SOLAS lifejackets must conform to the specifications as required by the surveyors of the National Marine Administration or the Classification Society.

Safety

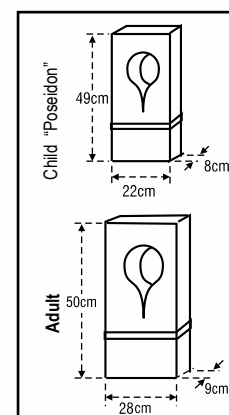


BEST VALUE



0062

BEST VALUE



Dimensions are in cm

### SOLAS '74 Life Jackets

Commercial grade lifejacket manufactured in accordance with SOLAS 74 requirements. Available in adult and child sizes.

	Child	Adult
Code	70157	70159
Buoyancy (N)	55	95
Body Weight (Kg)	0-55	>55

### SOLAS Lifejackets (L.S.A. Code)

Primarily aimed at the commercial market these cost efficient lifejackets have been accredited with CE approval certificates by Bureau Veritas. Available in child and adult sizes, with or without light.

	Child "Poseidon"	Adult
Code	70167	70169
Buoyancy (N)	94	150
Body Weight (Kg)	15-41	>32

\* The CE  approval certificate replaces all the National approval certificates of European committee member states (D.O.T - U.K etc ). \* L.S.A Code (Life-Saving-Appliances Code) latest amendment of Chapter III of SOLAS in force since June 1998.

### Advanced 2010 SOLAS Lifejacket Series

The series of SOLAS Lifejackets Advanced 2010 fully complies with the new regulations [IMO Resolutions (MSC.201(81), MSC.207(81), MSC.200(80), MSC.226(82), MSC.218(82), MSC.216(82)], which are mandatory for all lifejackets used on-board Community ships.



0038

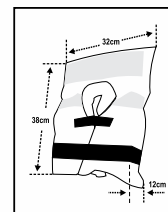
BEST VALUE



### Advanced Infant Lifejacket SOLAS-(LSA Code) 2010

For the first time the regulations demand the instigation of Infant Lifejackets on-board community ships. The Lalizas Advanced Infant Lifejacket fully complies with the regulations (IMO Regulations), which are mandatory for all lifejackets used on-board Community ships. They are designed for use most weather conditions. It is also features lifting loop and orange buddy line for easy rescue. Furthermore, it is recommended to combine the lifejacket with the compatible Lalizas Lifejacket Light.

Code	70176
Body Weight (Kg)	0-15







Adult



0038

BEST VALUE



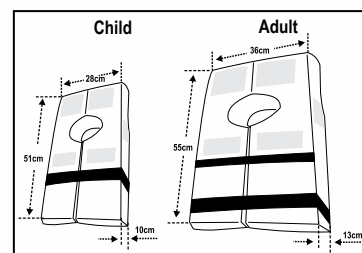
Child

#### Advanced Lifejacket SOLAS-(LSA Code) 2010

These jackets are manufactured to equip all commercial vessels. They fully comply with the requirements of the regulations (IMO Regulations), which are mandatory for all lifejackets used on-board Community ships. They are supplied in adult and child sizes. The adult lifejacket is appropriate for passengers with chest size up to 175cm, oversize passengers, while are provided with lifting loop and yellow buddy line for easier rescue.

It is also recommended to combine the lifejacket with the compatible Lalizas Lifejacket Light.

	Child	Adult
Code	70177	70178
Body Weight (Kg)	15-43	>43



0038

BEST VALUE

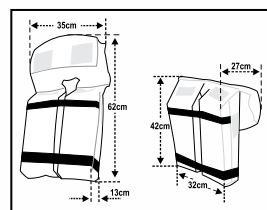


#### Advanced Folding Lifejacket SOLAS- (LSA Code) 2010

Specifically manufactured to be easily stored, while fully compliant with the requirements of the regulations (IMO Regulations), which are mandatory for all lifejackets used on-board Community ships. It is appropriate for passengers with chest size up to 175cm, oversize passengers, while is provided with lifting loop and yellow buddy line for easier rescue. This jacket is ideal for storing underneath the seat, as it can be easily folded.

Further it is recommended to combine the jacket with the compatible Lalizas Lifejacket Light.

Code	70179
Body Weight (Kg)	>43



Safety

#### Features



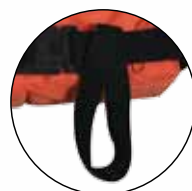
Adjustable strap  
(70178-70179)



Comfortable fit around  
the neck



Whistle



Lifting loop



Orange buddy line



Lifejacket Flashing Light "Safelite"  
Water Activated - L.S.A.Code

Code.....70280



0098

Lifejacket LED Flashing Light "Safelite II"  
water activated ON-OFF, L.S.A.Code

Code.....71209



0098

NEW



Lifejacket LED Flashing Light "Safelite III"  
MON-MOFF-AUTO ON water activated, L.S.A. Code

Code.....71210

SOLAS LifeJackets

SOLAS Inflatable Lifejackets 150N & 275N

Lalizas Inflatable lifejackets Lamda 150N, Lamda 275N & Delta 150N follow the latest SOLAS specifications for ultimate safety, while on board. They feature twin chambers for double security and each chamber can be inflated via its individual Lalizas automatic operating head (20260, certified per ISO 12402-7), which also supports manual activation. The inflatable chamber, which is made of High Visibility Yellow fabric, is folded into a valise with Velcro closure and its inflation tube incorporates the new Lalizas red pressure relief valves (20611, certified per ISO 12402-7). All models all are equipped with Lalizas retro reflective tapes (70180), a whistle (70010, certified per ISO 12402-7 & 8) and a lifting loop with yellow buddy line for easier rescue. Additionally, all approved Lalizas SOLAS lifejacket flashlights (70280, 71209, 71210) can be added. These extra user-friendly lifejackets, provide the maximum safety thanks to their fast inflation ability, even at very low temperatures and are available in one adult size, which can be easily adjusted to passengers with chest size up to 175cm or more, with the use of the Lalizas waist belt extender (71161).

All the models of the Lalizas SOLAS Inflatable Lifejackets series are designed to comply with the highest standards and are manufactured using top quality materials, in order to withstand the most adverse conditions in case of emergency. They are available in two different types, standard valise and belt-pack and their lightweight design makes them ideal for use on passenger boats, commercial vessels, yachts, fishing vessels and in all ships where storage space is limited.

The new top-of-the-range Lalizas SOLAS Lamda 275N inflatable lifejacket 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 275 Newton buoyancy provided by the double 60gr CO<sub>2</sub> cylinders.



NEW

Inflatable Lifejacket Protective Work Cover

Code.....71211



NEW

Waist Belt Extender for SOLAS Infl. Lifejackets

Code.....71161



Lifejacket Lamda Auto, SOLAS

Code	71107	71216
Newton	150	275



Lifejacket Flashing Light "Safelite" Water Activated - L.S.A.Code

Code.....70280



0098



Lifejacket LED Flashing Light "Safelite II" water activated ON-OFF, L.S.A.Code

Code.....71209



Lifejacket Belt-Pack, Delta Auto 150N, SOLAS

Code.....71108



Front



NEW



0098



Lifejacket LED Flashing Light "Safelite III" MON-MOFF-AUTO ON water activated, L.S.A. Code

Code.....71210

Manual System Lalizas	Automatic System Lalizas
<p><b>OK</b></p> <p>With green "Ready for action" tag</p>	<p><b>OK</b></p> <p>With green "Ready for action" tag</p> <p>Green Indicator "Ready for action"</p>

Manual System Lalizas	Automatic System Lalizas
<p><b>STOP</b></p> <p>Without green "Ready for action" tag</p>	<p><b>STOP</b></p> <p>Without green "Ready for action" tag</p> <p>Red Indicator "NOT Ready for action"</p>
<p><b>STOP</b></p> <p>With green "Ready for action" tag</p> <p>Red Indicator "NOT Ready for action"</p>	<p><b>STOP</b></p> <p>Without green "Ready for action" tag</p> <p>Red Indicator "NOT Ready for action"</p>





## Safety Harnesses & Lines

### ADVISOR

#### The Regulations

Lalizas Safety Harnesses and Lines are approved according to the ISO 12401:2009 European standard. As required by this standard all harnesses and lines have been put under dynamic and static strength tests, in order to establish their effectiveness in case of fall. These products are considered as means of personal safety according to the Directive 89/686 of the EU and therefore it is necessary to show the CE certification. Any product that does not carry the authentic approval CE is illegal and does not ensure your safety. Lalizas recommend that you buy only certified products even if it is not required by national laws.

#### Instructions of Use

**Donning** The safety harness is worn in such a way so as to fit comfortably but not loosely around the body. Depending on the type of harness the straps are worn around the shoulders or also around the legs as with a full harness. The safety lines are used by placing the hook on a secure point on the vessel, while the hook or hitch on the other end is placed on the D-ring of the Safety Harness. When securing a child it is obligatory that you use the hitch on the D-ring and not the hook.

**Function** The combination of safety harness and line can prevent any injury caused from fall. Even if you fall overboard the harness and line will keep you attached to the vessel, hence increasing your chances of being found and rescued.

#### Maintenance / Replacement

**Maintenance** Safety harnesses and lines should be used and stored properly in order to ensure proper operation at the time of an emergency. Such products should be kept away from direct sunlight and high temperatures. Any contact with flame, sharp surfaces, oil, grease or sand may compromise the integrity and proper operation of the product. After each use safety harnesses and lines should be washed in clear water with temperature below 30°C.

**Replacement:** Safety harnesses and lines should be replaced after a fall, even if no signs of damage are visible. Immediate replacement of the harnesses and lines is also necessary when they show signs of wear or damage such as loose or torn seams and clips.

Safety Harnesses and Lines are especially designed to prevent very serious accidents and for this reason it is imperative that you wear certified and well maintained products.

#### Life-Link Safety Harnesses CE ISO 12401

The Life-link safety harness is available in both adult and child sizes. It features a heavy duty stainless steel interlocking buckle and a D-ring and a fully adjustable black polyester waist webbing.

Approved per the latest European standards ISO 12401:2009.

- Adult Harness fits chests 70cm to 150cm & >50 Kgr

- Child Harness fits chests 60cm to 90cm & 20-50Kgr

	Adult	Child
Code	71145	71146



1. For best performance and maximum safety combine the Life-Link Safety harnesses with the Life-Link safety lines.
2. Lalizas Life-Link safety lines and harnesses make a perfect combination with the Off-shore Sailing jacket and trousers HTX 15000. For more information on the Offshore Jacket and trousers, turn to page 13



#### Life-Link Safety Lines, CE ISO 12401

The Life-link Safety Lines are available in single, double, double elastic and triple hook configurations and are all approved per ISO 12401:2009. Their double action hook design prevents accidental opening whilst still offering superb single handed operation. The hook is also fully approved per ISO 9227.



Safety Line Life-Link, single, ISO 12401, Length 150cm

Code..... 71147



Safety Line Life-Link, double, ISO 12401, Length 185cm

Code..... 71148



Safety Line Life-Link, triple, ISO 12401, Length 200cm

Code.....71149



Safety Line Life-Link, double, elastic, ISO 12401, Length 100-180cm

Code.....71150



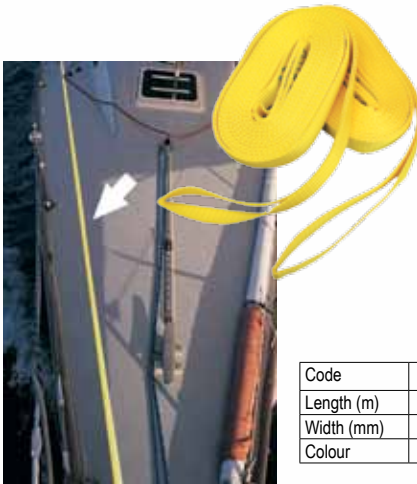
Life-Link Hook, ISO 12401

Code....71151



Vestype Safety Harness, with chest D-ring

Code....71152



#### Life-Link Jacklines

These Jacklines, otherwise called jack stays, will keep you securely on board without hindering your freedom of movement. Made of 25mm durable, UV-resistant Polyester strap, the 'Life-link' Jacklines feature two loops to attach it to the boat. Available in yellow colour and five sizes from 6m, to 10m.

Code	20702	20703	20704	20705	20706
Length (m)	6	7	8	9	10
Width (mm)	25				
Colour	Yellow				

## Man Over Board Devices

### ADVISOR

**The Regulations:** All lifebuoy rings intended for use in commercial ships must follow SOLAS regulations (96/98/EC). As far as horseshoe lifebuoys and Lifelinks are concerned, there is no standard commonly accepted by all countries. In this case, each country sets its own requirements for the construction, the design and the durability of such products. Depending on the model, Lalizas Horseshoe Lifebuoys are approved according to Greek and French regulations.

**Use:** The main use for these products is the rescue of M.O.B (Man Over Board). In order to facilitate the rescue of those who have fallen overboard, retro reflective tapes and bright colours are used to increase visibility.

**Instructions for use:** When someone falls overboard, a series of actions should take place in the shortest time possible, in order to effect a rescue. If you have a lifebuoy ring or horse shoe lifebuoy on board, you must throw it towards the person in the sea and notify the person in charge of the vessel. The person in the water should hold tightly and securely on to the lifebuoy, in order to stay afloat. Please keep in mind that the above-mentioned products are effective only when the person is able to swim and can assist to their own recovery. Consequently, if you have children or non swimmers on board make sure they wear the appropriate lifejackets at all times.

PLEASE REMEMBER that prevention is better than cure!

You should ensure that you have taken all possible actions and safety precautions, in order to prevent someone from falling overboard.

Practice the MOB procedure during the day and night, in all weather and sea conditions, simulating a casualty using a fender with a bucket attached. Instruct a member of the crew to watch the person in the water and point continuously.

· Always wear a lifejacket and harness that is correctly clipped on when on deck, at night or in bad weather

· Make sure that you hold on to a secure part of the boat at all times. One hand for you and one for the boat

**Maintenance / Replacement:** These products are designed to withstand most weather conditions and exposure to sun light. However, in order to keep this equipment in good condition, contact with flame, extreme temperatures and any sharp edges should be avoided. Lalizas suggests that you check the products and their straps thoroughly for any sign of wear, especially after use. If any signs of wear are detected, the items should be replaced.

### What can the casualty do?

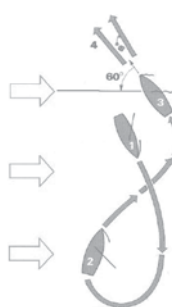
Firstly, the casualty must remain as calm as possible and look for the lifebuoy that may be floating close by. Taking into account that the greatest threat to survival is cold, the casualty should cross their legs and hold the arms tightly together to restrict any movement and consequently the loss of heat. Also, wrist, ankle and neck joints should be closed tightly. A light and a whistle on the lifejacket can be used to attract attention. In most cases, the casualty should not attempt to swim towards the boat, as this will promote the rapid loss of heat and cause exhaustion. In severe conditions, it is better for the casualty to turn their back to the waves in order to keep airways clear of water.

**Recovering the casualty:** This is probably the most difficult part of the whole MOB procedure:

- If there is a boarding ladder on your boat and the casualty has the ability to help themselves, this method is probably the safest and most obvious method of recovery

- You should be prepared to give immediate first aid, as the casualty may be suffering from shock and hypothermia. It is also suggested that you check whether the casualty needs professional medical attention.

- In case the casualty is exhausted or unconscious, an improvised lifting gear will be needed. A short strop with a block and tackle rigged on the end of a halyard will help you get the casualty on board.



### Rescue from a Sailing Boat

This is a simple way to recover a man overboard. However, continual practise will improve your potential success.

1. Steer yacht into an 'apparent' beam reach (burrgee across the yacht). Allow sea room to manoeuvre and get organised to recover the casualty.
2. Tack and sail on the opposite beam reach so that the casualty is now on the weather bow
3. Approach on a close reach, easing the sheets in the final stages. Remember that leeway will increase as the yacht slows down.
4. It is often easier to come alongside to windward of the casualty

### Rescue Systems Life-Link

The Lalizas Life-Link Man-Overboard Rescue system is designed to be permanently mounted to the pushpit in its own soft, easy clean PVC bag. The kit contains 50m of floating line attached to a sturdy buoyant PVC life-sling and a personal retaining clip for added safety. Deployment is achieved by removing the Life-Link, attaching the floating line to a secure point and throwing astern. Once in the water the boat should circle the casualty allowing the Life-Link to be towed to their aid. Rescue is completed when the casualty is safely clipped into the life-link, winched to the boat and hauled on board.



Code....20440

- Contents:
- Rail mounted PVC stowage bag
  - 50m floating line Soft PVC
  - Life-Link with webbing strap

BEST VALUE



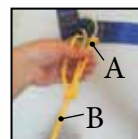
### How to retie the knot to the Life-Link



1. Put the line through both D-rings and hold steadily the short end. Make a loop with the long end and pass through it the short rope.



2. Then pass the same end under and around the long part and through the loop again



3. To fasten pull together from points A and B



## Man Over Board Devices

### Procedures for repacking the Life-Link MOB



1. To repack the line: Leave 50cm of line outside the bag. Hold with your right hand



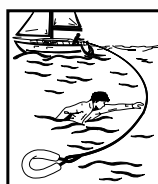
2. Measure another 50cm and fold the rope in two to create a "U" shape. Place the folded rope in the inside pocket of the bag.



3. a) Holding the line going to the Life-Link with the right hand, start gathering it creating a zig-zag. The width of the zig-zag should be approx. 20cm.  
b) Continue in the same way, until enough line is collected in your hand



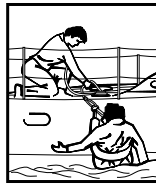
4. Place this in the inside pocket gently. Repeat step 3 until all the line is gathered in the pocket in an orderly fashion.



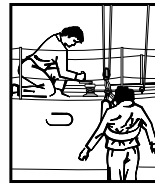
1. Deploy M.O.B. system astern circle casualty until contact is made



2. Confirm casualty is secured in M.O.B. before rescue is attempted



3. Winch casualty slowly to the boat



4. Haul casualty on board.



Pre-cut

#### Floating Rope, orange

Code	Diameter (mm)	Length (m)	Strength (kg)
90834	6	15	145
94801	6	30	145
90835	8	15	400
70260	8	30	400
90836	10	15	807



#### Floating Rope, orange

Code	Diameter (mm)	Length (m)	Strength (kg)
98067*	4	200	120
98991*	6	200	145
98992*	8	200	400
98993*	10	100	807

\* Sold by linear meter

Safety



#### Security rope, Diam. 6mm

Kit including 30m polypropylene rope floating, the inside filled with closed cells foam and counterweight to help throwing. Rope fitted with a side handle.

Code....95731

BEST VALUE



Ext. Diam. 730 mm  
Int. Diam. 440 mm



0098

#### Lifebuoy Ring SOLAS

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 G.L. Hamburg.

Code.....70090 70110  
Weight.....2.5kg 4kg



For a better effectiveness combine the SOLAS lifebuoy ring with the floating throw line (70260) and the SOLAS lifebuoy light (70030).

\* The CE approval certificates replace all the National approval certificates of European committee member states (D.O.T.U.K etc).  
\* L.S.A Code (Life-Saving-Appliances Code): latest amendment of chapter III of SOLAS in force since June 1998. amó to 1998



#### Plastic holder for life ring

Code.....01107 (Set of 3 pcs)



BEST VALUE



#### Lifebuoy Ring, No 45 with rope

Ext.Diam. 420mm  
Int.Diam. 210mm

Code.....63219



Dimensions:  
Ext.Diam. 17,5cm  
Int.Diam. 10,5cm

#### Mooring Ring

A Bouyant Mooring Ring,Moulded in PVC using a similar process as used for Hercules Fenders.

Weight: 250 gr  
Code.....50990



Dimensions:  
Ext.Diam. 17,5cm  
Int.Diam.10,5cm

#### Mooring Ring with 30m rope

Designed for the retrieval of MOB, the ring is moulded in PVC, weighing only 250gr and is tied to a 30m floating rope.

Code.....20693

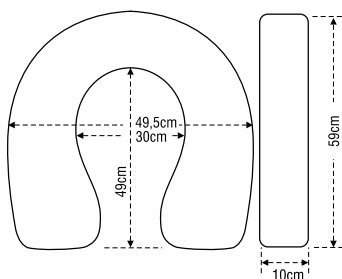


# USEFUL HINTS

## Horseshoe Lifebuoy

Like all MOB Lifebuoy products, the Horseshoe Lifebuoy should be positioned, so as to be easily accessible and be thrown quickly to a man overboard. Furthermore, horseshoe lifebuoys should be equipped with whistle, lifebuoy light with continuous or strobe light (check the batteries regularly) and a drogue to avoid the MOB casualty drifting away from the point of fall. Lastly and especially for offshore sailing, it is recommended that you use a dan buoy, which can be seen 2m above the water, which will further indicate the position of the MOB casualty.

BEST VALUE

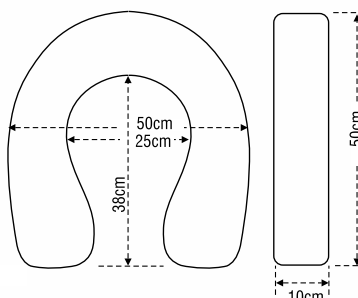


## Horseshoe Lifebuoy "Quick RD", 145N

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 you can use the horseshoe bracket (20580), where the lifebuoy light M.O.B (70030) can be also mounted. The "Quick Fit" horseshoe cases (70018 & 70019) are ideal for its storage. It is available in three colours, orange, yellow and white.

Code	70162	70164	70165
Colour	Yellow	Orange	White

BEST VALUE



## 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 colours white, yellow and orange.

Code	20530	20540	20550
Colour	Orange	White	Yellow

## Horseshoe Case "Quick Fit", size 1

The "Quick Fit" case is suitable for storing the "Basic I" Horseshoe Lifebuoys. It is made of Polyester fabric, of 0.33mm thickness, with PVC backing, which makes the case waterproof, protecting the lifebuoys from most weather conditions. The case features a quick Velcro open - close system and straps for mounting the case on your boat's rails. Its design allows you to store the lifebuoy light as well. It is available in white & yellow colour.

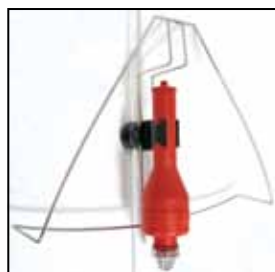


BEST VALUE

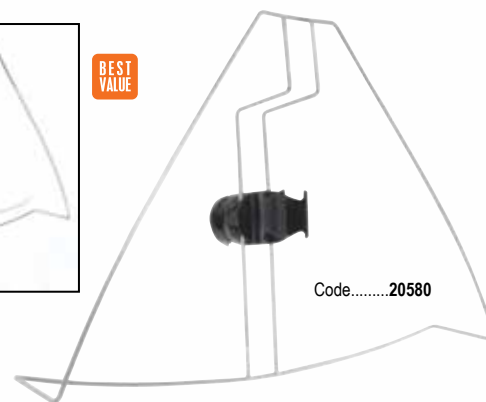
Code	70018	70019
Colour	White	Yellow

## Stainless Steel Horseshoe Bracket with light holder

The Lalizas stainless steel horseshoe bracket can be easily installed on any kind of vessel. Its fixing system allows horseshoe and lifebuoy light to be easily removed in case of emergency.



BEST VALUE



Code.....20580



BEST VALUE

Code.....95733

## Holder for Lifebuoy Ring & Horseshoe

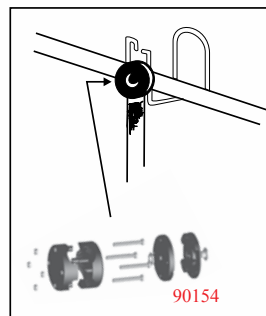
This holder is ideal for placing and storing your ring or horseshoe lifebuoy. It comes with a plastic holder, which makes it easy to mount onto your boat's rails. It is made of stainless steel and comes with a small elastic stretch cord for keeping the ring or lifebuoy steady on the holder. You can also store the lifebuoy light since it features plastic clips on the base of the holder.

BEST VALUE



Holder for ring or horseshoe life buoy

Code....20707\*



90154

\* Set of connector & rail mounts 90154 are not included

BEST VALUE

## Rail Mount for lifebuoy light

Code..... 20581

BEST VALUE

## Set of Connector & Rail mounts for fenderbaskets

Code..... 90154

Safety

## Personal Safety Lights

BEST  
VALUE

0098



**Lifejacket Flashing Light  
"Safelite" Water Activated,  
L.S.A.Code**

Code.....70280

- SOLAS Certified product
- Water Activated
- Inspection friendly label

### "Safelite" Functions

1. **WATER ACTIVATED:** The "Safelite" will be activated automatically when it comes in contact with water
2. **MANUAL-ON:** Continuous operation, manually operated
3. **MANUAL-OFF:** The "Safelite" is deactivated for storage purposes

### Technical Specifications

- Small size and lightweight compact design
- Quick and easy installation with two moves
- Fits and locks with every 20-40mm lifejacket belt, providing security & stability against sudden panic moves
- Lithium battery with 5 year lifetime, from the indicated production date and more than 8 hours of continuous use
- Made of durable plastic
- Waterproof, Epoxy Resin shielded for extra safety



0098

BEST  
VALUE

NEW



**Lifejacket LED Flashing Light  
"Safelite II" water activated ON-OFF,  
L.S.A.Code**

Code.....71209

- SOLAS Certified Product
- LED Flashlight Technology
- Water Activated
- Inspection friendly label
- Functions only when in-water\*

\* Guarantees protection against the unnecessary use and battery loss, out of the water.

### "Safelite II" Functions

1. **WATER ACTIVATED AUTO-ON:** The Safelight II is activated automatically, when it comes in contact with water
2. **MANUAL-OFF (In-Water Function Only):** While in use, by pressing the ON/OFF button the Safelight II will switch-off, to save battery
3. **MANUAL-ON (In-Water Function Only):** While switched-off, by pressing the ON/OFF button, the Safelight II will switch-on

### Technical Specifications

- Small size and lightweight compact design
- Extra powerful LED light, for lower consumption and longer life
- Quick and easy installation with two moves
- Fits and locks with every 20-40mm lifejacket belt, providing security & stability against sudden panic moves
- Lithium battery with 5 year lifetime, from the indicated production date and more than 8 hours of continuous use
- Made of durable plastic
- Waterproof, shielded via ultrasound welding and Epoxy Resin, for extra safety



NEW

BEST  
VALUE



0098

Code.....71210

**Lifejacket LED Flashing Light "Safelite III"  
MON-MOFF-AUTO ON water activated,  
L.S.A. Code**

- SOLAS Certified product
- LED Flashlight Technology
- Water Activated
- Inspection friendly label
- Ideal for MES Systems, since it can be fitted in the lifejacket

### "Safelite III" Functions

If the "Safelite III" comes in contact with water, the flashing LED light will function, despite the MANUAL-OFF Dome/Switch position

1. **WATER ACTIVATED AUTO-ON:** The "Safelite III" will be automatically activated, when it comes in contact with water
2. **MANUAL-ON:** Set the round transparent Dome/Switch to the "ON" position, to manually switch-on the "Safelite III" for continuous use

### Technical Specifications

- Small size and lightweight compact design
- Extra powerful LED light, for lower consumption and longer life
- Quick and easy installation with two moves
- Fits and locks with every 20-40mm lifejacket belt, providing security & stability against sudden panic moves
- It can be fitted in the lifejacket (using the special Base 71214 and the Hole Puncher 71215)
- Lithium battery with 5 year lifetime, from the indicated production date and more than 8 hours of continuous use
- Made of durable plastic
- Waterproof, shielded via O-Ring and Epoxy Resin for extra safety



**Hole Puncher For  
71210**

Code.....71215

NEW



**Base for Lifejacket  
Flashing Light 71210**

Code.....71214



## "Safelite"

\*The flashing lights are displayed in actual size



## "Safelite II"



## "Safelite III"



## Lifebuoy Lights

### 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 colour). CE approved to SOLAS (L.S.A Code)\* by Bureau Veritas\*.



0098



Code....70030



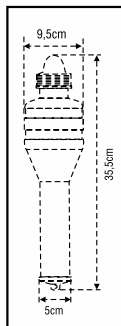
### Spare bulb for lifebuoy light



**Blister Bulb**  
4,8V/0,75A, E10  
Code....30650



**Bulb 4,8V/0,75A, E10**  
Code....00757



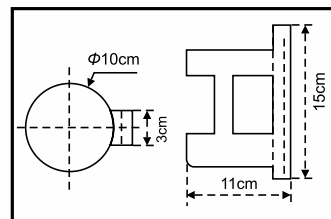
For longer life, power up your Lifebuoy Light with two sets of alkaline batteries "X-ENERGY" (31339). More information on Lalizas Alkaline Batteries "X-ENERGY" on page 92

### 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....70000



Ø35mm



**Spring Clip**

Code....50530



BEST VALUE

**Rail Mount for lifebuoy light**

Code..... 20581

## Fire Extinguishers

### Fire Extinguishers

Fire Extinguishers are essential on board for your safety and the safety of your crew. There are many types available in the market, based on the material used such as dry powder, foam, CO<sub>2</sub>. Each one has different capabilities, thereby specializing in specific types of fire. The most common fire extinguishers on board a boat, but also for the car or home, are those containing Dry Powder, since they can be used against solid, liquid and gelled fires. Lalizas offers you EN3 approved fire extinguishers with Dry Powder, pressurized in highly resistant bottles. They are available in 4 sizes.

### Fire Blanket

Essential in high-risk areas, such as the kitchen, are fire blankets. The model offered is 90x90cm wide and is supplied in a rigid case, with instructions printed on top.



70443



70444



70445



Safety

## Available only in Greece

Code	70443	70444	70445	70446
Dimensions mm	90 x 232	110 x 308	130 x 369	150 x 470
Weight (Kg)	2	3	5	9
Powder Weight (Kg)	1	2	3	6
Container	Stahl 12			
Material	Dry Powder ABC 40			
Propel. Gas	N2			
Dry Powder Quantity	1kg	•		
	2kg		•	
	3kg			•
	6kg			•
Rating	A (Solid)	5	8	13
	B (Liquid)	21	34	55
	C (Gas)	•	•	•
	E (Electric)	•	•	•
Temperature Range	-20°C / +60°C			
Accessories	Manometer	•	•	•
	Safety Pin	•	•	•
	Base	•	•	•
Approvals	EN3 0437			EN3 0437 SOLAS 0437/04

Code Description

- 70443 1kg Dry Powder ABC 40 - Iron Bottle (5A 21B-C) with base
- 70444 2kg Dry Powder ABC 40 - Iron Bottle (8A 34B-C) with base
- 70445 3kg Dry Powder ABC 40 - Iron Bottle (13A 55B-C) with base
- 70446 6kg Dry Powder ABC 40 - Iron Bottle (21A 113B-C)
- 70448 Fire Blanket (100x100cm) in a case PVC



70446



70448



## Visual Distress Signals

### ADVISOR

**Pyrotechnics** are an essential part of a boat's safety equipment, as they help rescue agencies and other people detect you more easily in the case of an on board emergency. Pyrotechnics include hand signals, smoke signals, as well as, parachute signals. Parachute signals are different from other signal flares, as they reach a great height and drop very slowly by means of a small parachute.

#### Before Use

Ensure that the crew of your boat knows where the flares are stowed. For safety reason, the crew should read the instructions printed on the flares -it will be too late on a stormy night! All flares must show their expiry date and be replaced when necessary.

#### Use

Aim parachute flares well clear of the mast, rigging, sails, etc., as there is danger of accidental fire. For this reason, you should familiarise yourself with the firing instructions. Take care when firing parachute flares, aim high and slightly downwind, so that they achieve maximum height. You should fire all flares downwind, so that smoke and debris is blown away. Do not fire parachute flares if a helicopter is nearby.

#### How many SOLAS flares are required for my boat?

All types of boats should carry the appropriate SOLAS flares in their safety equipment, in order to be used in case of danger. The quantity of the hand and smoke signals depends on each country's legislation.

## Available only in Greece



**Smoke Signals**  
Code.....70210



**Hand Signals**  
Code.....70200



**Hand Signals LSA Code**  
Code.....70230



**Parachute Signals**  
Code.....70220

## First Aid Kits

All first aid boxes are supplied empty.



Code.....10112

#### First Aid Box (Base is not included)

Specifically designed for use on boats. Made of durable ABS plastic. Compact, solid, watertight. Screw down plastic base plate for quick release.  
Dimensions: 21x21x12,5cm



**Base for First Aid Box**  
Code.....00385



**First aid Kit - non SOLAS**

Code....56880

- Anti-Angina Preparations
- Anti-Emetics
- Analgesics – Antipyretics
- Analgesics – Anti-Inflammatory Preparation
- Antiseptic Hydro Peroxide
- Burn Preparation
- Cannula for mouth to mouth Resuscitation
- Adhesive elastic bandage
- Sterile Gauze Compresses
- Cotton
- Adhesive Dressings
- Sterile Pressure Bandages
- Adhesive Sutures
- Adhesive Tape
- Sterile Gauze with water & vegetable oils for burns
- Scissors

## Visual Signals & Reflectors



#### Reflector

Made of light alloy. Provided with head plastic protection. Folding model for easy storage when not required. Single packing in a plastic bag.

Code	Description	Dimensions
97638	STANDARD	215x215x300
97639	R.O.R.C	300x300x415



#### Black Cone

This signal should be displayed on sailing boats, when travelling under power.  
Size: 32 x 47 cm

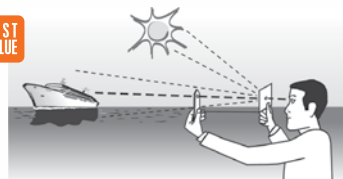
Code....10060

#### Signalling Mirror 7x7cm

Code.....56570



BEST VALUE



#### INSTRUCTIONS OF USE

1. Hold foresight in left hand with arm fully extended
2. Hold the signalling mirror in right hand toward the sunlight, facing the back of the mirror
3. Align the holes of the foresight and the mirror on the target
4. Move mirror until the reflection of the sun from the mirror can be seen on the foresight and a shadow point appears in its hole
5. The ray is now directed at the target



#### Black Ball (Anchor signal)

Internationally recognised daytime signal used by boats when at anchor. Made of tough polypropylene. Folds easily for storage.  
Diameter: 31cm  
Code....10050

## Sound Signals

ADVISOR

SOUND SIGNAL	MEANING
•	Altering course to STARBOARD
• •	Altering course to PORT
• • •	Going Astern
• • • •	Identifying signal of a Pilot vessel
• • • • • (at least 5)	Uncertainty, danger of collision with another boat
	Boat approaching the turning point of channel or river
	Response signal from a boat approaching the opposite direction of the channel's or river's turning point
	Power boat
	Power boat at sea, but standing by
• •	Boat not under command, boat with limited maneuverability, either anchored or not, boat restricted by its draught, boat under sail, anchored fishing boat, boat that towing or propelling another boat
• • •	Towed boat (or the last manned towed boat, in case there are more than one)
•	Intentions of passing from the starboard side of your boat (***)
• •	Intentions of passing from the port side of your boat (***)
•      •	Response signal from a boat to be passed, provided that agrees with the passing movement. (***)
• • •     • • •	SOS signal using sound or visual communication devices

(\*\*\*) : They apply to narrow channels or rivers  
 • : Short blast (about 1sec of duration)  
 |||| : Longe blast (about 4-6sec of duration)



### Mega Horn

Whatever the use the Mega Horn is bound to be heard. The sound produced measures at least 105 D.B. Available in red, it comes complete with a counter merchandising display box. Floating, non-corrosive, and friendly to the environment.

Code.....10040



Code..... 90168



### 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.....70010 70020  
 Colour.....Blue Orange

### Megaphone with Siren, 16W, 320m

- Diameter: 200mm  
 - Length: 350mm  
 - Power: 20W  
 - Sound Coverage: 400m approx.  
 - Function: Talk/Siren (or Music)  
 - Batteries: 6D  
 - ABS Housing

BEST VALUE

### Complete Units in Blister Packing

Signal Horn 380ml Acoustic range approximately 1500 m.



### Fog Horn Head Only

Code.....10031



### Refill Horn Canister

Code.....10032



### Signal Horn & Refilling Canister in Blister Pack

Code.....10033



1. Install horn by screwing it on the pressurised container



2. To operate press down the horn



3. Signal horn must always be used in upright position



4. Do not store the pressurised container in direct sunlight. Do not expose to temperatures exceeding 40°C. Do not pierce or burn, even after use.

Safety



BEST VALUE

### Signal Horn Set 'Echo-200' - 200ml

Code....11506



BEST VALUE

### Signal Horn Set 'Echo-380' - 380ml

Code.....11507



BEST VALUE

### Refill Canister 200ml for Signal Horn 'Echo-200'

Code.....11505



BEST VALUE

### Refill Canister 380ml for Signal Horn 'Echo-380'

Code.....11508



BEST VALUE

### Fog Horn Head Only for 'Echo-200' & 'Echo-380'

Code.....11509



Install trumpet by clipping it to the top of the canister



To operate push down the button on the top of the horn



Signal horn must always be used in upright position



Do not expose the pressurised container in direct sunlight. Do not expose to temperatures exceeding 40°C. Do not pierce or burn, even after use

## Lalizas Cruiser

**12**  
YEARS  
GUARANTEE

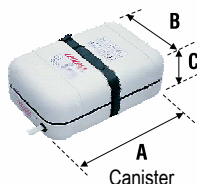
All Lalizas liferafts carry our fully transferable 12 year fabric and seam guarantee. This is your assurance of our commitment to quality and complete customer satisfaction. This guarantee applies under certain conditions to all liferafts, provided they are inspected by an authorized Lalizas service station.

Safety



### Lalizas Cruiser

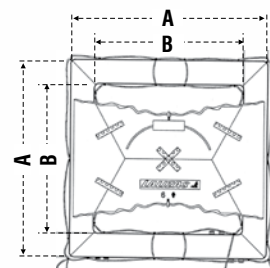
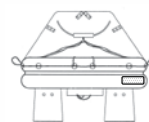
Lalizas CRUISER liferafts are available in 4 to 12 person versions, are fitted with a single floor as standard and are designed to be extremely safe. The CRUISER combines lightweight, compact size and high structural integrity with proven liferaft design. At the heart of this design are the twin buoyancy chambers. Manufactured and tested independently, each chamber is capable of fully supporting the raft with its maximum number of occupants. The two chambers are then bonded together to offer a high, rigid platform to which the self-inflating international orange canopy is attached. This design offers the greatest internal volume, whilst giving maximum protection against the elements. With external lifelines, radar reflective panels, retro-reflective tape and deep ballasted water pockets, the CRUISER range of liferafts offers highly visible, stable, sheltered conditions for the occupants.



Canister



Valise



Code	56001	56011	56002	56012	56003	56013	56004	56014	56005	56015
Persons	4		6		8		10		12	
Container	Canister	Valise	Canister	Valise	Canister	Valise	Canister	Valise	Canister	Valise
Weight (kg)	32	29	38	35	46	42	55	51	62	57
A (cm)	68	67	68	67	68	67	73	69	73	72
B (cm)	42,5	36	42,5	36	42,5	38	48,5	45	48,5	49
C (cm)	27,5	27	27,5	31	30,5	34	28,5	34	33,5	35

Model	Dimensions (mm)	
	A	B
Cruiser 4p	1700	1260
Cruiser 6p	1994	1510
Cruiser 8p	2272	1760
Cruiser 10p	2550	2010
Cruiser 12p	2690	2120



### Features & Specifications

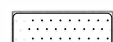
1. Gas inflation CO<sub>2</sub> cylinder beneath floor for added stability
2. International orange, self erecting canopy with radar reflective and retro-reflective panels
3. Large diameter twin independent buoyancy tubes
4. External and internal lifelines
5. Ventilation & observation port
6. Rain water collection gutter
7. Large ballasted stabilization pockets
8. Fully closeable entrance flap with tie tape
9. 12 year warranty
10. Vacuum packed, hermetically sealed
11. 3 year service intervals
12. Comprehensive international service centers

### Standard Equipment

- 1 Mooring Ring with 30m rope
- 2 Floating anchors
- 1 Stainless steel floating knife
- 1 Whistle
- 1 Bellows for topping up
- 1 Repair kit
- 1 Survival advice manual
- 2 Paddles
- 1 Bailer
- 2 Sponges
- 1 Waterproof torch
- 4 Batteries
- 1 Spare torch bulb
- 1 First aid kit
- 1 Calibrated drinking cup
- 1 1/2 lts Drinking water per person



Floating anchor



Identification label



Reflective tape



Floating ring



Towing line

### Internal & External Liferaft Lights

The set of internal and external liferaft lights consists of a flashing external light and a steady internal light. The external light provides luminous intensity greater than 4.3cd for at least 12 hours, while the internal light provides luminous intensity not less than 0.5cd for someone to read for at least 12 hours. These liferaft lights can be activated either automatically, when the liferaft is deployed or manually by using the product's ON/OFF button. The set features a PCB circuit with epoxy resin, PVC insulated cables and a waterproof male-female, two-pin plug connector. The product should be kept in a dark, clean and dry area and stored without being compressed.

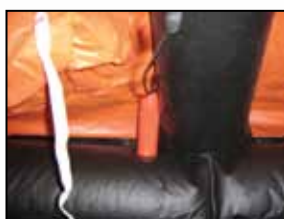


Code....50002

BEST VALUE



0098



Code.....50990

### Mooring Ring

A bouyant mooring ring, moulded in PVC using a similar process as used for Hercules Fenders, Weight: 250 gr  
Dimensions:  
Ext. Diameter 17,5cm  
Int. Diameter 10,5cm



Code.....20693

### Mooring Ring with 30m rope

Designed for the retrieval of MOB, the ring is moulded in PVC, weighing only 250gr and it is tied to a 30m floating rope.



0098

BEST VALUE

### Lithium Battery for Liferaft Lights, (3V x 2pcs), 6V

- Consists of 2 Lithium batteries
- Battery type: AAA:D
- 5 years battery expiration from the date of production
- PVC Insulated cables
- Waterproof since it is sealed with epoxy resin
- Pull off activativy plastic pin

Code....50003



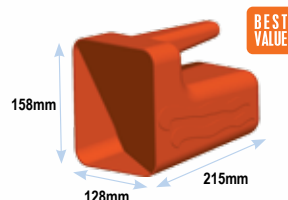
BEST VALUE

NEW

### Liferaft LED flashlight

Code....71217

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



BEST VALUE

158mm

128mm

215mm

### Scoop bailer 2.5lt, orange

Code.....11919

### First aid Kit - non SOLAS



Code....56880

- Anti-Angina Preparations
- Anti-Emetics
- Analgesics – Antipyretics
- Analgesics – Anti-Inflammatory Preparation
- Antiseptic Hydro Peroxide
- Burn Preparation
- Cannula for mouth to mouth Resuscitation
- Adhesive elastic bandage
- Sterile Gauze Compresses
- Cotton
- Adhesive Dressings
- Sterile Pressure Bandages
- Adhesive Sutures
- Adhesive Tape
- Sterile Gauze with water & vegetable oils for burns
- Scissors



BEST VALUE

### Overpressure valve for life rafts

Code....56390

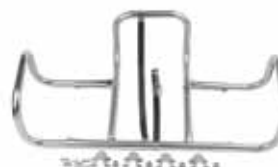
### Valve for Flexible Water Tanks (31321-6, 31329)

Code..... 02022



### Stainless Steel Fixing Liferaft Support

Code....56040



### Stainless steel liferaft support base, 750x520x200mm

Code.....70620

## Liferafts



### Thermal Blanket, Advanced, 2,1 x 1,6m

**APPLICATION:** The thermal blanket helps you keep the body's temperature by protecting you from the sun rays and the very low temperatures. It is suitable to use in cases of accident, but also for protection against wind, rain or heat.

**INSTRUCTIONS:** When you need to avoid hypothermia, use the thermal blanket with the golden side facing upwards. In case you need protection from the heat, use the thermal blanket with the silver side facing upwards.

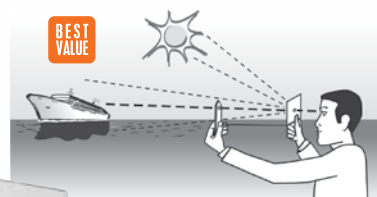
Code.....70975



### Thermal Blanket, 2,1 x 1,6m

- First Aid Application
- In case of severe cold or shock wrap the blanket around the body
- Keeps the body's temperature under very low or very high temperatures
- Prevents post – accident shock
- Waterproof
- Its reflective surface provides high visibility
- Dimensions: 2,1 x 1,16m

Code.....70976



### Signalling Mirror 7x7cm

Code.....56570

#### Instructions of use

1. Hold foresight in left hand with arm fully extended
2. Hold the signalling mirror in right hand toward the sunlight, facing the back of the mirror
3. Align the holes of the foresight and the mirror on the target
4. Move mirror until the reflection of the sun from the mirror can be seen on the foresight and a shadow point appears in its hole
5. The ray is now directed at the target

## Sea Anchors - Drogues

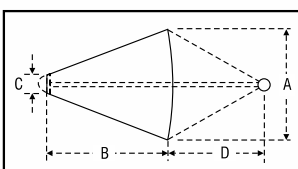
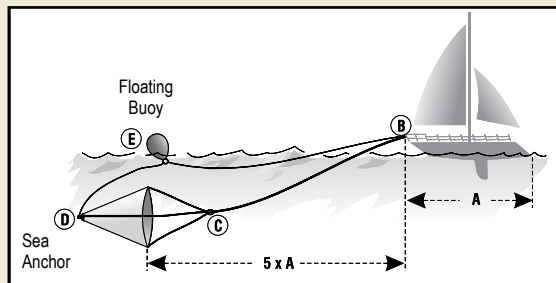
Safety

#### ADVISOR

**Use:** A Sea anchor, also called a drogue, is an essential part of your boat's safety equipment. They are used to slow down your boat or liferaft when you are facing strong winds or heavy seas. Moreover they will ensure your boat turns so as to face into or away from the waves. A sea anchor can also be used to keep your boat as stationary as possible and not be affected by the wind, very useful when you are fishing or swimming in waters too deep to anchor .

**Instructions of use :** Made of strong-coated PVC, the drogue is open at both ends and includes lines that create two loops at the front and one loop at the end. The sea anchor (drogue) is tied to the boat's bow (B) with the use of a rope, which should be of at least five (5) times the boat's length (A). Tied to the bow of the boat, the rope is passed through the two loops of the drogue's front lines, creating a tight knot (C). The larger the size of your drogue (larger opening), the bigger its effectiveness will be. In order to pull the drogue out of the water you should tie a second rope at the end loop of the drogue (D) - pulling this rope will allow the drogue to be pulled out of the water.

To warn and prevent other boats from running over the ropes of your drogue, you may use a floating buoy (E) that may be tied to the secondary rope. Drogues should never be used for permanent anchorage.



**ATTENTION:** This is a very general guide and there may be variations based on the weight, keel of the boat, even on the intended use of the sea anchor etc. Your choice should not be based only on the guide.



### Professional Sea Anchors - Drogues

Lalizas has designed the Professional Sea Anchor (Drogue) especially for use on large boats and under harsh conditions. The fabric is 200D polyester coated on both sides with 0,45mm PVC. Lalizas Professional Sea Anchors are immensely strong using 40mm, UV resistant, webbing terminating on a 6mm x 60mm Inox connecting ring. Lalizas drogues are supplied in a safety yellow colour, packaged in a handy, tough stowage bag.

Boats Length	Code	A(cm)	B(cm)	C(cm)	D(cm)
15m (49ft)	10240	200	165	20	160
18m (59ft)	10241	250	210	25	200
21m (69ft)	10242	300	250	30	240

### Sea Anchor (Drogue)

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

Boats Length	Code	A(cm)	B(cm)	C(cm)	D(cm)
4,5m (15ft)	10071	50	55	8	64
6m (20ft)	10072	65	75	10	70
7,5m (25ft)	10073	125	125	17	125
9m (30ft)	10074	135	142	20	125
12m (40ft)	10075	190	145	20	130

## Life Saving Apparatus

### ADVISOR

#### The Regulations

Before using life saving apparatus, you should always be aware of the marine safety regulations applicable to your country or those of the country you are visiting. In Greece, life saving apparatus is obligatory safety equipment.

#### Use

Buoyant safety equipment is used on a boat as a means of rescuing persons in the water. They can be used instead of a Liferaft, (depending on the country) should the crew need to abandon the vessel or in case of a man over board situation.

**Instructions of Use:** The buoyancy apparatus should be thrown into the water towards the casualty requiring the most help. They should hold on to the special handles fixed to the ropes on the apparatus. Under no circumstances should the apparatus be loaded above the stated capacity, as its effectiveness will be impaired.

#### Storage / Maintenance

**Storage:** A hard buoyancy apparatus should be placed in an easily accessible location on the boat and should be clear of obstacles at all times. The "Cushion Type" buoyancy apparatus may also be used for seating.

**Maintenance:** Do not allow the buoyancy apparatus to come into contact with high temperatures, fire or sharp objects. Rinse with clean water after use.

#### Replacement

In case the apparatus or part of it is broken or torn because of bad storage or maintenance, the product should be immediately replaced.

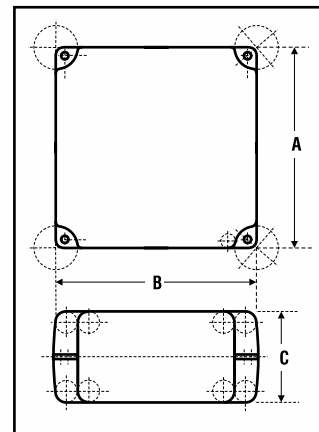
A buoyancy apparatus, as simple as it may be, can be proved very valuable at time of an emergency.



#### Life Saving Apparatus (Plastic)

- For use on sail or motor boats
- Outer cover made of high strength polyethylene with an inner polystyrene filling
- Complete with all-round rope lifeline
- Available in 4, 8 and 12 person models
- High visibility orange
- Approved to EEP. Approval number: 4232/46/00

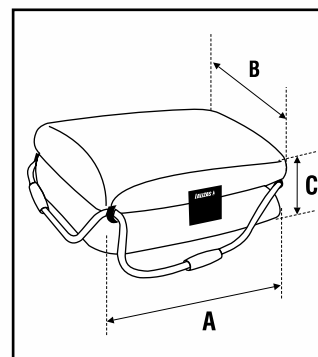
Code	70131	70133	70135
Persons	4	8	12
Volume (lt)	80	151	252
Weight (kg)	5	11	18
A (cm)	55	76	100
B (cm)	55	76	100
C (cm)	25	25	25



#### Life Saving Apparatus - "Cushion Type"

- For use on sail or motor boats
- Made of a durable nylon outer shell and inner layers of polyethylene
- Complete with all round rope Lifeline
- Lightweight and doubles as a cushion
- Available in 3, 4 and 6 person models
- High visibility orange
- Approved to EEP. Approval number: 4232/24/01

Code	70270	70271	70272
Persons	3	4	6
A (cm)	40	52	46
B (cm)	50	47	70
C (cm)	29	25	36



Safety

## Signs

An important and necessary part of safety equipment onboard a boat, especially commercial vessels, is signage. Lalizas International Standard Signs can be used for indicating exits, directions, firefighting and life-saving equipment for the purpose of safe evacuation during emergencies and power failures. Lalizas produces in-house all International Standard Signs for indicating all of the above with the addition of custom-made signs using the highest quality material, which meet all of the present IMO specifications, in order to meet specific requirements. Please note only coded items are available in the UK.

- IMO Symbols with text
- IMO Symbols without text
- Safety Signs
- Direction Signs
- Low Location Lighting Components
- Transparent Signs
- Fire Control Symbols to resolution A654
- Fire Control Symbols to ISO17631
- LSA Signs
- Fire Signs
- Mandatory Signs
- Hazard Signs
- Prohibition Signs
- Combination Signs
- Space Identification Signs
- ISPS Code Signs
- Galley Signs
- Miscellaneous Signs
- Accommodation Signs
- Tie Tags
- Signs for Passenger Vessels and Terminal Building
- Hazard Diamonds
- Posters
- Pipe Identification Tape

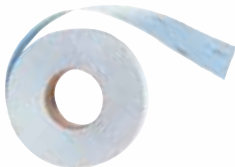


[www.lalzasimosigns.com](http://www.lalzasimosigns.com)



## Retroreflective Tape

BEST  
VALUE



### Retro reflective Tape (ROLL) - SOLAS

- 40m

Retroreflective tape to SOLAS (L.S.A Code) by Lalizas 3150A. Length 40m. Tested according to IMO Res. A. 658(16)

Code.....70180



### Retroreflective Tape - SOLAS - Set of 6 pieces - 5x10cm

Retroreflective tape retail pack to SOLAS (L.S.A Code) by Lalizas. Six 10cmx5cm self adhesive strips per pack. May be sewn.

Code.....70190

## Emergency Evacuation Breathing Device

ADVISOR

### The Regulations

The Emergency Breathing Devices (EEBD) are intended for use on board ships and need to meet the SOLAS Chap. II-2 and IMO MSC / Circ.849, which specify basic operational and marking requirements and the minimum number of EEBDs in each area. Additionally, each Flag Administration may require more EEBDs in some areas as well as the number of training EEBDs and/or spares.

Lalizas EEBD has been designed to meet the EN1146:2005 & ISO 23291-1(2008) standard. The EEBD is covered by the 96/98 Marine Directive and bears the steering wheel mark.

### Use

The EEBD is to be used only for ESCAPE from or through a compartment that has a hazardous atmosphere. It should not be used for firefighting, entering oxygen deficient voids or tanks, diving or for the whole duration of a shift.

### Instructions of Use

In order to avoid accidental activation during shipment, the equipment as supplied by Lalizas is "not ready for use". Before you place it in its storage position, you should first set it on a "ready for use" position, as described in the "Instructions for Use & Maintenance" provided with the product. At the time of emergency wear the EEBD, activate it by pulling the "pull strap" of the bag, wear the hood and evacuate the problem area as soon as possible within the next 15 minutes. Remember you have 15 minutes of air supply that starts to flow as soon as you pull the strap of the bag and not when you wear the hood.

### Storage / Maintenance

When stored, the EEBD should be suitably protected from environmental factors in such a way so that you have clear visibility of the gauge dial. Lalizas offers you a suitable and convenient way to store your EEBDs. The EEBD should be maintained and serviced according to the manufacturer's instructions and only by a Lalizas authorised service station.

Safety



1463

BSI  
Product Service  
CE 0086

Code.....70320  
Volume.....15300cm<sup>3</sup>  
Weight.....5500gr  
Height.....20cm  
Width.....9cm  
Length.....53cm

### Emergency Evacuation Breathing Device (EEBD)

#### "RESCUE-AIR L15"

The Lalizas Emergency Escape Breathing Device (EEBD), complies with the amended SOLAS ch.II-2 and the IMO MSC/Circ.849. All vessels on international routes must carry EEBD's on board.

#### Lalizas approved EEBD carries the following characteristics:

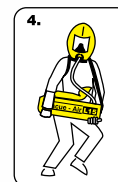
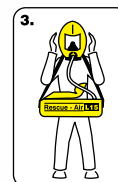
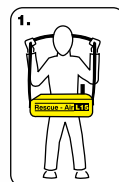
- Flame resistant materials, silver in colour to reflect heat and be highly visible.
- Durable and reliable construction with low maintenance
- Full-face hood fits all persons
- Steady air-flow for 15 minutes with sufficient air delivery rate
- Easy visual access on the pressure gauge
- Working temperature range: -10°C to 65°C
- Easy to refill cylinder - no adaptor required
- Approved to SOLAS Chapter II - 2 and MSC/Circ.849 & designed to meet EN1146:2005 & ISO 23291-1(2008)



- Shock proof - antiblast pressure gauge
- Coloured so as to have easy readings for duration - over pressure - internal pressure of the cylinder



- Hood with orinasa mask
- Flame retardant materials
- Ozone resistant - non irritant neck seal.
- Wide visor
- Orinasa mask fits all face profiles
- Non irritant
- Antimisting design for the visor.



- Automatic activating valve - regulator
- Valve features G 5/8" standard charging connector
- Pull valve safety lock

## Accessories



### Wall Bracket for EEBD L15 70320

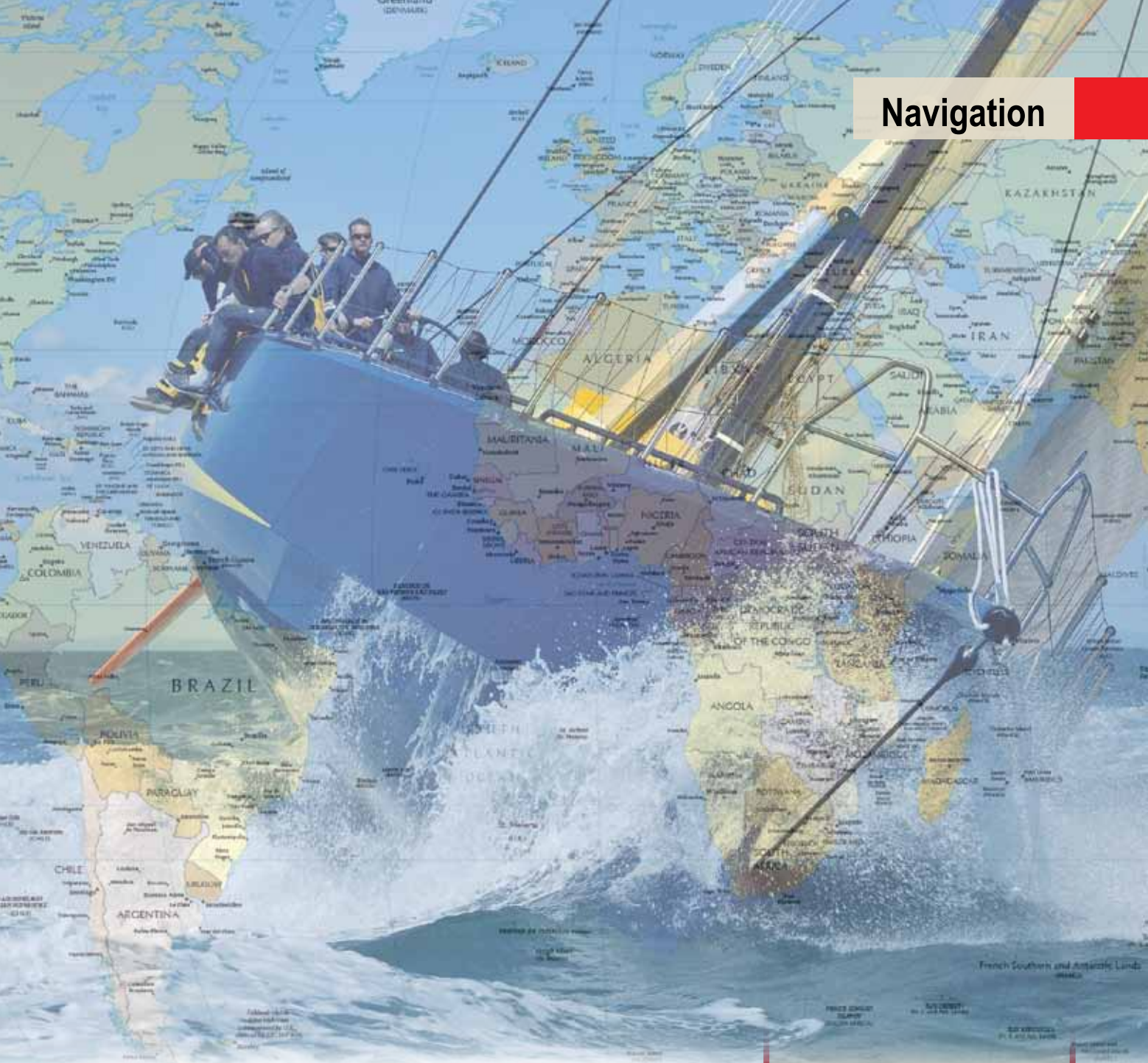
Code.....01623



### Plastic Cover for EEBD L15 70320

Code.....01622

# Navigation



Binoculars	186-187
Monoculars	187
Compasses	188-192
Hand Bearing Compasses	192
Plotting Tools	193



Hand Bearing Compass SportAbout X-11 w/  
Sialum Slot, Yellow  
Page 192



SeaNav



Night-Vision Monocular, SeaNav  
Page 187



## Binoculars

### ADVISOR

#### What are binoculars

Binoculars are instruments that magnify images. A combination of lenses and prisms are used in order to ensure great image sharpness, brightness, precision and colour transmission. They are necessary for many activities such as boating, cruising, fishing, various water sports, hunting, bird watching and many others. The brightness and sharpness of the image seen through a binocular is determined by several factors, such as the magnification power, the objective lens diameter, the field of view, the design of the prisms, etc.

#### Magnification power & Objective lens

Binoculars are described by a set of numbers such as 7x50 or 8x42, the first of which indicates the magnification power: the degree to which the object being viewed is enlarged. The numbers 7 and 8 in the specific case indicate that the image will appear to be 7 and 8 times larger than what it would be with the naked eye. The second number indicates the diameter of the front lenses, widely known as objective lenses. They are measured in millimeters (50mm or 42mm) and they determine how much light will enter the binocular. For example, the higher their number, the larger the lens and the brighter the image.

#### Prisms categories

Prisms are located inside the binoculars and are used to invert the image. They are distinguished in two categories, depending on their design:

1. **Porro prism** binoculars are believed to provide greater depth perception and generally offer a wider field of view and brighter image. They come in two styles, BAK-4 and BK-7. The BAK-4 prism is made of a dense, fine barium crown glass, which produces sharp, well-defined images, eliminating internal light scattering. The BK-7 uses standard boro-silicate glass
2. **Roof prism** binoculars are lighter and more compact but more difficult and complex to manufacture. They provide a slim, streamlined shape in which the lenses and prisms that magnify and correct the image are in a straight line

#### Lens coatings

Lenses are coated in order to remove any glare and reduce internal light loss, resulting in greater image contrast and sharpness. Among the various types the most common are:

**Coated:** the simplest type, where there has been a single layer on at least one lens

**Full-Coated:** single layer on all air-to-glass surfaces. It gives improved brightness and higher contrast

**Multi-Coated:** multiple layers on at least one lens, resulting in clearer colours and UV-resistance

Lens coatings constitute a factor that should be considered when selecting a pair of binoculars. Choosing a binocular with good coatings will offer better optical performance and greater product satisfaction.

#### Field of view of binoculars

The field of view refers to the size of the area that can be seen while looking through a pair of binoculars from a distance of 1000m. It is measured either in meters or in feet. The field of view is strongly associated with the magnification, for example greater magnification results in a smaller field of view.

#### Eye relief

The eye relief, measured in millimeters, refers to the distance a binocular can be held away from the eye and still present the full field of view. Most quality binoculars have 25mm max eye relief. However, the eye relief can be reduced with the foldable eyecups, that most binoculars feature. Generally, eyeglass wearers find the binoculars with long eye relief easier to use.

#### Exit pupil

Exit pupil refers to the measurement of the circle of light that appears when you look through the binoculars, holding them at a short distance away from your eyes. It is the small bright circle that will appear in the middle of the eyepiece. It is easily measured by dividing the objective lens by the magnification power. For example, a pair of binoculars 7x50 will have an exit pupil of 7.1mm. Generally, the exit pupil of the binoculars should be similar to the eye pupils. During low light conditions pupils open to about 5-7mm to allow more light to pass through. Consequently, it is advantageous to have binoculars with large exit pupil at night or in low light conditions, as the larger the exit pupil the brighter the image. In brighter conditions the pupils contract to about 2-3mm, so binoculars with smaller exit pupils are required.

#### Types of focusing systems

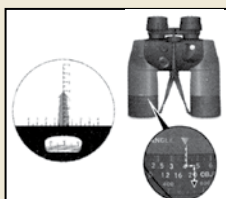
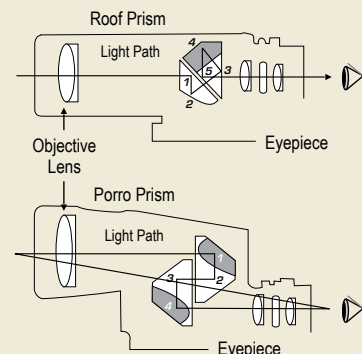
Generally, there are three types of focusing systems:

1. Binoculars with **auto focus** have been automatically focused during production and cannot be adjusted thereafter
2. The **central eye focus** binoculars feature a central roller to adjust the eye focus, allowing thereby a greater degree of fine tuning and offering sharper images
3. Some models also feature focusing systems on each eyepiece, where each focus can be adjusted according to the personal needs of each user. This kind of **separate focusing** is generally known as Diopter Control

#### Range finding reticule

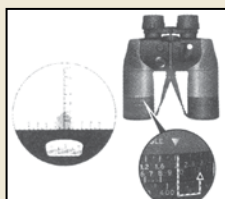
A range finding reticule in combination with a built-in compass converts a simple pair of binoculars to an extremely helpful navigation instrument. The illuminated inner compass gives you headings concerning the direction of the area you are looking. The reticule helps you calculate very easily the distance between you and a specific object or the height of an object. In most binoculars, you need to make calculations in order to find these data. However, there are models that offer you the data more easily.

More specifically:



#### To calculate distances

1. Focus on an object of which you know the height, e.g. 12m height. Count the number of lines the object covers on the scale, e.g. 4 full lines
2. Turn the upper ring, marked "ANGLE", of the range finder to 4
3. On the middle scale, marked "OBJECT SIZE", find the height of the object you know e.g. 12m height
4. The distance is clearly visible under the object's height at the lower scale "DISTANCE" e.g. 300m



#### To calculate height

1. Focus on an object, of which you know the distance, e.g. 600m. Count the number of lines the object covers on the scale, e.g. 2 full lines
2. Turn the upper ring, marked "ANGLE", of the range finder to 2
3. On the lower scale, marked "DISTANCE", find the distance from the object you know, e.g. 600m
4. The height of the object is clearly visible at the middle scale "OBJECT SIZE", above the known distance, e.g. 12m

#### Cleaning & Maintenance

In order to extend the binoculars' life you are advised to follow some general rules that are listed below:

- Keep the lens covered when binoculars are not in use
  - Wipe the lenses with the cloth that comes with the binocular or with another soft cloth
  - To remove any remaining dirt or smudges, add one or two drops of isopropyl alcohol to the cloth
  - Store your binoculars in a dry area
- NEVER attempt to clean your binoculars internally or try to disassemble them.



### Binoculars Waterproof with Compass Sea Nav WECR 7x50

These waterproof binoculars greatly assist in your navigation. It's features render them ideal for use in marine environments. In addition to the 7x magnification and the 132m@1000m field of view, the waterproof Binoculars 'Sea Nav' WECR 7x50 feature a rangefinder to pinpoint distances and an internal compass, thereby assisting in gathering navigational data while viewing. The increased light transmission through the Porro BAK4 prisms and the body filled with dry nitrogen offer reliable operation with very low glare or internal fog. Lenses focus individually and they have foldable eyecups so that the binoculars can be adjusted to the user's exact needs, and also minimize side light. The robust construction and the rubber armouring will protect this high quality instrument from shocks, and impacts. This model is light and floats in the water, when used in combination with the provided strap. The Binoculars Sea Nav WECR 7x50 are available with neck strap, carry case and built-in lenses' cover.

#### Technical Specifications

Magnification x Objective Lens Diameter: 7 x 50  
Angle of Vision: 7.5°  
Exit Pupil: 6.8mm  
Eye Relief: 23mm  
Focus: Individual Eye Focus (Diopter Control)  
Waterproof: Yes  
Fogproof: Yes  
Floating: Yes  
Prism Type: Porro BAK-4  
Field of View: 132@1000m  
Rangefinder Reticule: Yes  
Lens Coating: Multi coated  
Housing: Rubber  
Compass: Yes  
Weight: 890gr  
Dimensions: 20x8x15cm



Code..... 31367



Range finding  
reticule scale

### Binoculars Auto Sea Nav SAF 7x50

This is a light and easy to use set of binoculars that will assist in your navigation during cruising. The Binoculars Auto Sea Nav SAF 7x50 combine perfectly 7x magnification power, ruby red coating of the objective lens filtering out red light and Porro K9 prisms for brighter images. Additionally, it offers the convenience of the auto-focus, with a wide field of view of 133m at 1000m. It also features foldable eyecups for those viewing with glasses. It's rugged construction with rubber armouring will protect the binoculars, and offer you a better grip, even with wet hands. The binoculars Sea Nav SAF 7x50 come complete with strap, pouch and covers for the lenses.

#### Technical Specifications

Magnification x Objective Lens Diameter: 7 x 50  
Angle of Vision: 6.2°  
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  
Weight: 750gr  
Dimensions: 6.5x19x20cm



Code..... 31317



### Binoculars Compact Sea Nav CFC 8x21

Being light and compact, the Sea Nav CFC 8x21 binoculars are a must for every sailor. The 128m@1000m field of view, the 2.6mm exit pupil, the centre focus and the roof prisms provide you with high quality, comfortable vision during the day. The housing is shock resistant, while the rubber armouring allows a better grip, and protects the binoculars from impacts. Additional features are the folding eyecups, ideal even for those wearing glasses. The Compact Sea Nav CFC 8x21 binoculars are supplied with a carry case, which can be attached to a belt.

#### Technical Specifications

Magnification x Objective Lens Diameter: 8 x 21  
Angle of Vision: 7.1°  
Exit Pupil: 2.6mm  
Eye Relief: 10mm  
Focus: Centre Focus  
Prism Type: Roof  
Field of View: 128@1000m  
Lens Coating: Fully coated  
Housing: Rubber  
Weight: 176gr  
Dimensions: 9.7x10.3x3cm



Code..... 31318



Navigation

## Monoculars



Code..... 31414



### Laser Range Finder, Monocular, 6x25, SeaNav

- Magnification x Objective Lens Diameter: 6x 25mm
- Measuring Range 15m to 600m
- Field of view 122m at 1000m (angle of view: 7°)
- Liquid Crystal Display indicator (LCD)
- Overall Dimensions: 40 x 107 x 67mm
- Weight: 160gr
- Powered by 1 CR2 Battery (not included)



Code..... 31415

### Night-Vision Monocular, SeaNav

- Vision under low light intensity
- Built-in IR illuminator to view objects clearly in dark conditions
- Very low power consumption
- Provided with functions against strong light and voltage stabilization
- Overall Dimensions: 172x82x60mm
- Weight: 438gr
- Powered by 2 AA batteries (not included)



## The Features and Benefits of Selecting a Lalizas by Ritchie Compass

When properly sized, installed and compensated a marine compass is the most important instrument on any boat. It will provide accurate, trouble-free heading references under the most adverse conditions without relying on electricity, radio signals or satellite communications. The most important criteria when selecting a compass are dial size and mounting style. Quality components aid accuracy, smooth response, stability and trouble free operation. Although the size and shape of Ritchie Compass models may vary, this cut-a-way engineering illustration is representative of the modern technology that makes Ritchie the World's Best Marine Compasses.

### NiteVu Night Lighting Systems

Most compass models are available with Ritchie's exclusive NiteVu night lighting. Each provides the optimum illumination of the dial and lubber lines without hindering important night vision. All NiteVu lighting systems come standard for 12V operation. Other voltages are available on special order.

### Repair ability & Warranty

All Ritchie compasses are 100% repairable and are backed by Ritchie's exclusive 5-year Warranty. See "Warranty" on back cover for complete details.

### Compass Bowls & Housings

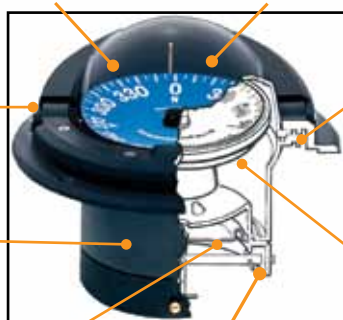
Bowls and housings provide maximum protection and support for the internal compass components. They are made from brass or high-strength glass reinforced polymers.

### Fluid Baffle & Roller Diaphragm

The steady performance of the Ritchie compass is enhanced by a baffle and roller diaphragm. Baffles reduce turbulence in the dampening fluid. Diaphragms allow the fluid to expand or contract with changes in temperature or pressure without forming bubbles.

### Compass Dome

The compass dome allows the compass dial to rotate smoothly through heel, pitch and yaw motions. The dome also provides clear and accurate magnification of the dial. Our domes are made exclusively for Ritchie using a heavy-duty, optically clear polymer. It is formulated to prevent sun crazing and will stay stable throughout extreme temperature ranges.



### Bezels & O-Rings

Sealing the entire compass assembly is critical to prevent fluid leakage. The Ritchie O-Ring is a custom blend compound that is non reactive with the dampening fluid. Bezels are formed from high strength plastics, aluminum or machined bronze.

### Gimbal Systems

All Ritchie Compasses are engineered to operate normally within their environment without bottoming out due to the pitch and roll or heel of the boat. An internal gimbaling system is most often applied to provide this important function. This illustration shows the bi-axes gimbal system used in many Ritchie models. This dial assembly is suspended by Gimbal Rings and Pans formed from ultra-light weight aluminum and held in place with spring loaded brass pins. A Brass Counter Balance keeps the entire system level.

### Corrector Magnets

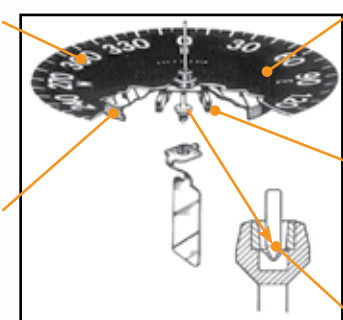
Deviation occurs when something on board such as masses of iron, engines, electric motors, electronics with speaker magnets, batteries, electronic instruments, tachometers with magnets, engine controls, steering wheels and electric appliances draw the compass magnets away from their attraction to the earth's magnetic field. All Ritchie compasses that are intended for use on boats that could have deviation problems, have built-in compensators. These compensators are non-interactive magnets that are balanced and optimally spaced for accurate correction. Compensation instructions are included.

### Ritchie Dials

Dial measurements are given in the apparent visual size. Models are available in sizes from 2" (5.08cm) to 6" (15.24cm) in diameter. In many models you can select either a Traditional Flat Card or Direct Reading. The CombiDial, that is both flat card and direct reading dial in one, is also available in several Voyager, Helmsman and Navigator models.

### PowerDamp Dial Performance

Each dial is engineered to provide the ultimate in steady, smooth performance and easy readability. Traditional Flat Dials are equipped with Ritchie's race proven PowerDamp® system, a light weight baffle that eliminates spinning and dial jumping at high speeds and in rough conditions. Direct Reading and CombiDial™ dials are formed so that their shape also provides PowerDamp performance.



### Dial Readability

Ritchie Dials have been individually designed with extra large 5 degree numerals and easy to see degree increments. Precision spacing of increments allows the helmsman to hold a steady course within one or two degrees of the intended heading. Globemaster dials are also available with two degree increments on special order.

### DirectiveForce Magnets

Ritchie uses special High Gauss Magnets that are field balanced and matched to each compass model, dial style and size. They are attached to the underside of the dial in pairs matched to seek and lock-on to magnetic north. This provides superior accuracy and smooth, rapid response.

### Pivot and Jewel Movement

All Ritchie Compasses use a Hardened Steel Pivot and Triple Cup Sapphire Jewel Movement. They are microscopically matched to provide smooth dial operation and fast lock-on, under the most severe conditions. There are no plastic pivots or jewels in Ritchie Compasses.

### Cleaning

To keep your compass clean and looking like new simply remove salt spray deposits or dirt by rinsing with clean fresh water and wipe carefully with a clean damp cloth. NEVER use strong detergents, chemical or abrasive cleaners.

### Balancing Compass Dials

For the ultimate in accuracy, the dials in magnetic compasses should be balanced to compensate for dip caused by the earth's magnetic field. All Ritchie Compasses come standard balanced for Zone 1 (essentially all of the Northern Hemisphere). When requesting balancing for Zone 2-7, please indicate the zone most central to your boating area. Once balanced for a specific Zone, the compass will maintain accuracy for one Zone north or south.



The Wheelmark Symbol denotes conformance with Standard ISO 10316(E) and ISO 613:2000(E).

## Compasses

### ADVISOR

#### The Regulations

Lalizas by Ritchie compasses come into the MED Directive 96/98 EC of the European Union, as it is amended, which refers to the obligatory marine equipment in EU vessels. They are approved under the standards ISO 10316:1990 (Class B Magnetic Compass Test and Certification) and ISO 613:2000 (Class B Ships and Marine Technology). All the Lalizas by Ritchie compasses bear the steering wheel mark, as a relevant certification.

#### Useful Terminology

**Magnetic compass:** A magnetic compass is a suitable guide for direction finding, reliable in most situations. It is the instrument that gives us the ability to accurately and consistently steer any boat on a desired course.

**Deviation:** All magnetic compasses are vulnerable to magnetic interference that will produce errors. The effect of this magnetism on the compass is called deviation. It is the Owner/Operator and/or Helmsman's responsibility to make sure the compass is properly installed and compensated.

**Compensation:** It is the act of correcting deviation. Magnets (speakers, microphones etc.), ferrous metals (steel, iron, etc.) and current carrying devices are common causes of deviation.

**Variation:** It is important to understand that magnetic compasses point towards Magnetic North. There is a difference between Magnetic North and True North and that difference is called variation. Variation differs depending on your geographical location and can be determined by referring to a local chart.

#### Installation

**Selecting the proper location:** The compass should be located in a flat and level surface (when the boat is on a level keel), close enough to the helmsman. Select a location that has no more than 20° deviation of any of the four cardinal points (N S E and W). Most compasses have a built-in compensator that will correct for fixed deviation up to 20 degrees. Please note that proper compensation is not possible when a compass is subjected to a variable magnetic field, such as the one caused by some shipboard devices.

**Mounting the compass:** Great care must be taken when mounting the compass, so that it is aligned with the keel of the boat. An alignment error is a constant error on all headings caused by the compass not being pointed in the same direction as the boat. One recommendation is to temporarily mount the compass using one fastener so if an alignment error is detected it is easily corrected.

Due to variations in bulkhead and deck materials, mounting screws are not supplied. Use hardware that is not magnetic and is suitable for your specific installation.

There are three different installation methods depending on the mounting style of the compass.

1. **Bracket Mount:** Only the bracket is permanently installed in the desired location, allowing you to remove the compass whenever you want

2. **Flush Mount:** Using the mounting template, you should do a cut out in the location, where the compass will be permanently installed. If you cannot access the compensation rods below, you need to allow for easy removal of the compass during compensation

3. **Surface Mount:** The compass can be permanently installed in the chosen location either with screws or with the mounting pads provided

**Night light wiring:** Lights should be wired to an appropriately fused 12V circuit in your electrical system. Connect the red wire (white on some models) to positive and black to ground. Some models have a second light assembly that should be connected to the same circuit.

**Compensation:** A built-in correcting magnet system consists of two sets of magnets fixed to the adjusting rods with slotted ends. Before starting compensation make sure you have a suitable location. You can compensate your compass either by just selecting a course on your chart and following certain instructions (preferred way) or with the use of GPS or Loran.

In case you have a steel boat or you have difficulty in compensating the compass, professionals Compass Adjusters may be required.

#### Maintenance / Service

**Maintenance:** Strong sunlight may decrease the life of your compass. Therefore, you must protect it from the sun with the special protective covers or with a lightly coloured cloth when you are not using your boat. In order to keep the compass clean, simply remove salt spray deposits or dirt by rinsing with clean fresh water and wipe carefully with a clean damp cloth. Never use strong detergents, chemical or abrasive cleaners.

**Service:** Lalizas by Ritchie compasses are designed to give many years of accurate heading information. However, in case you notice a bubble, cracks or the dome turning white, it is recommended that you have it serviced.

#### Warranty

All Lalizas by Ritchie compasses have a five-year guarantee. If within five years of purchase date, a compass fails to give satisfactory service, it will be repaired or replaced without charge. This warranty does not cover breakage through accident or misuse.

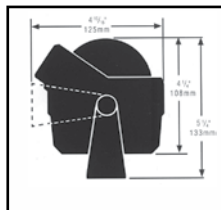
Note: For more specific instructions concerning installation and compensation, check your compass' manual.



Navigation

### Compass Voyager B-81, with bracket mount

Code	71156
Colour	Black



#### Specifications

Boat Style/Size	3" (7.6cm)/Flat-Card or CombiDial
Dial Size/Design	12V Green
Night Lighting	Built-in
Compensators	5-Year
Warranty	1lb. 8oz. (680g)
Approx. Shipping Wt.	

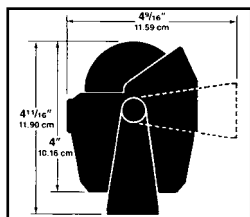


The Wheelmark Symbol denotes conformance with Standard ISO 10316(E) and ISO 613:2000(E).

### Compasses Explorer B-51

Ritchie accuracy and mounting versatility are the perfect combination with Explorer Bracket Mount Compasses.

Code	31240	31241	31242
Description	Explorer B-51	Explorer B-51W	Explorer B-51G
Colour	Black	White	Grey



#### Specifications:

Boat Style/Size	Power/Up to 24 Feet (7.32m)
Dial Size/Design	2 3/4" (6.99cm)/Direct Read
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Approx. Shipping Wt.	1 lb. (454g)





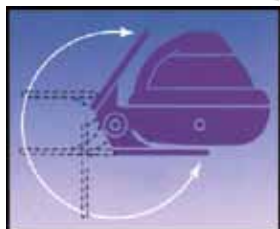
## Compasses



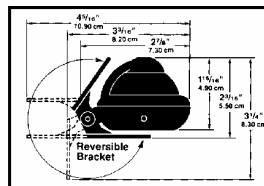
### Compasses Sport X-10-M

Mount it on your deck. Mount it on your windshield. Mount it on your dash. Here's a compass that's just the right size for small boats or sport vehicles.

Code	31200	31201	31202
Description	Sport X-10-M	Sport X-10B-M	Sport X-10W-M
Colour	Grey	Black	White



The fully adjustable and reversible Bracket allows a mounting range of over 300° from over head, through angled and vertical mounts to horizontal surfaces. These mounting position options and your choice of mounting hardware permits mounting from windshield or supporting frame structures, to slanted dash boards and consoles to almost any flat, angled or vertical surface.



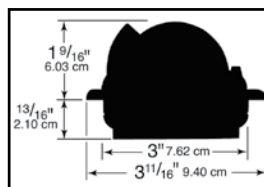
### Specifications

Boat Style/Size	Power/Up to 16 Feet (4.88m)
Dial Size/Design	2" (5.08cm)/Direct Read
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Approx. Shipping Wt.	5 oz. (142g)

### Compasses Trek-35

The smallest of the flush mounts is big on performance.

Code	31230	31231	31232
Description	Trek - 35	Trek - 35W	Trek - 35G
Colour	Black	White	Grey



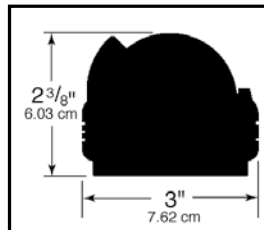
### Specifications

Boat Style/Size	Power/Up to 20 Feet (6.10m)
Dial Size/Design	2 1/4" (5.72cm)/Direct Read
Night Lighting	12V Green
Compensators	Built-in
Mounting Hole	3" (7.62cm)/Direct Read
Warranty	5-Year
Approx. Shipping Wt.	9 oz. (256g)

### Compasses Trek-33

The surface mounted Trek is perfect for permanent mounting on small decks, dashes or consoles.

Code	31220	31221	31222
Description	Trek - 33	Trek - 35W	Trek - 35G
Colour	Black	White	Grey



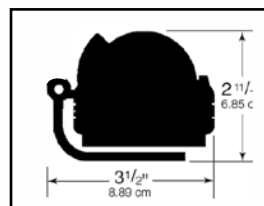
### Specifications

Boat Style/Size	Power/Up to 20 Feet (6.10m)
Dial Size/Design	2 1/4" (5.72cm)/Direct Read
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Approx. Shipping Wt.	9 oz. (256g)

### Compasses Trek-31

Versatile bracket mounting and three colour selections make these Treks the ideal choice for your boat and sporting vehicles.

Code	31210	31211	31212
Description	Trek - 31	Trek - 31W	Trek - 31G
Colour	Black	White	Grey



### Specifications

Boat Style/Size	Power/Up to 20 Feet (6.10m)
Dial Size/Design	2 1/4" (5.72cm)/Direct Read
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Approx. Shipping Wt.	9 oz. (256g)

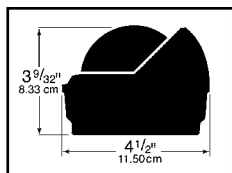


The fully adjustable and reversible Bracket allows a mounting range of over 300° from over head, through angled and vertical mounts to horizontal surfaces. These mounting position options and your choice of mounting hardware permits mounting from windshield or supporting frame structures, to slanted dash boards and consoles to almost any flat, angled or vertical surface.

### Compasses Voyager S-87

Here's the low-profile look and the stability or permanent mounting.

Code	31260	31261
Description	Voyager S-87	Voyager S-87W
Colour	Black	White



#### Specifications

Boat Style/Size	Power/Up to 28 Feet (8.54m)
Dial Size/Design	3" (7.62cm)/Flat Card or Direct Read
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Approx. Shipping Wt.	1 lb. 3 oz. (539g)

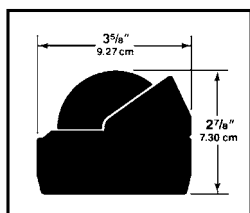


The Wheelmark Symbol denotes conformance with Standard ISO 10316(E) and ISO 613:2000(E).

### Compasses Explorer S-53

The Explorer Surface Mount compasses combine size and accuracy with a push button system for easy-on mounting, easy-off storage and security.

Code	31250	31251	31252
Description	Explorer S-53	Explorer S-53W	Explorer S-53G
Colour	Black	White	Grey



#### Specifications:

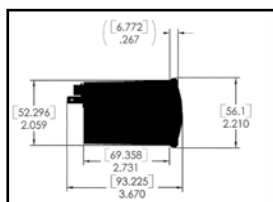
Boat Style/Size	Power/Up to 24 Feet (7.32m)
Dial Size/Design	2 3/4" (6.99cm)/Direct Read
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Approx. Shipping Wt.	1 lb. (454g)



### Compass Sport X-21 Bulkhead Mount

It is the ideal compass for a refined and discreet look of the boat's bulkhead. Its high quality construction enables it to operate even if the boat has a 30o angle of heel.

Code	31359	31360	31361
Description	Sport X-21	Sport X-21	Sport X-21
Card Colour	White	Black	Blue
Cover Colour	White	Black	Black



#### Specifications

Boat Style / Size	Power / Up to 16 Feet (4.88m)
Dial Size / Design	2" (5.08cm) / Direct Read
Night Lighting	12V Green
Viewing	Adjustable to 30o
Mounting Hole	2 1/16" (5.50cm)
Warranty	5-Year
Approx. Shipping Wt.	5oz. (142gr)



### Compass Explorer V-537 Bulkhead Mount

Just another small wonder for your sailboat. Designed and constructed especially for sailboats up to 7m.

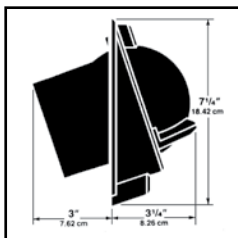
Code	31362	31363	31364
Description	V-537W	V-537	V-537B
Colour	White	Black	Blue

#### Specifications

Boat Style / Size	Sail / Up to 24 Feet (7.32m)
Dial Size / Design	2 3/4" (6.99cm) / Direct Read
Night Lighting	12V
Compensators	Built-in
Mounting Hole	3" (7.62cm)
Warranty	5-Year
Approx. Shipping Wt.	1lb. (454gr)



## Compasses



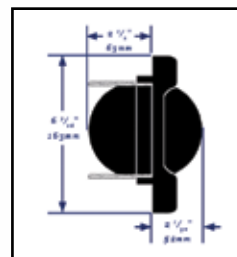
### Compass Navigator BN-202 Bulkhead Mount

For those adventurous sailors, who seek perfection in every item and device on their boat, the Navigator BN-202 is ideal. Rugged construction, dynamic design, built-in clinometer and easy to read card are just a few of the features that this compass is equipped with.

Code	31366
Card Colour	Red
Cover Colour	Black

#### Specifications

Boat Style / Size	Sail / 28 to 45 Feet (9,15m to 13,73m)
Dial Size / Design	4 1/2" (11,43cm) / CombiDial
Night Lighting	12V Green
Compensators	Built-in
Mounting Hole	5 3/4" (14,61cm)
Warranty	5-Year
Approx. Shipping Wt.	2lb. 5oz. (1,05kg)



### Compass Venture SR-2 Bulkhead Mount

Designed for sailboats from 4.90 to 10.70 meters. Supplied with Clinometer (INC- 45)

Code	31199
Card Colour	Blue
Cover Colour	Black

#### Specifications

Boat Style / Size	Sail / 16 to 36 Feet (4.88m to 10.68m)
Dial size	3 3/4" (9.35cm)
Design	CombiDial
Night Lighting	12V Green LED
Mounting Hole	4 5/8" - 4 13/16" (118 -122mm)
Warranty	5-Year



The Wheelmark Symbol denotes conformance with Standard ISO 10316(E) and ISO 613:2000(E).

## Hand Bearing Compasses



NEW

### Hand Bearing Compass SportAbout X-11 w/ Sialum Slot, Yellow

- Easy to Read 2" Direct-Reading Dial compass, with neck lanyard
- Hardened Steel Pivot and Sapphire Jewel Movement
- Built-in Roller Diaphragm for Extended Temperature Operating Range
- QuickSight V-Notch and Lubber Line for Easy Heading Alignment
- Non-Electric Chem Sticks Provide 18 Hours of Night Lighting
- International Safety yellow case, made of Impact-Resistant Silicon
- Compact Size for Easy Handling and Storage

Code.....71207



Watch the video on our channel

<http://www.youtube.com/LalizesSA>



### Multifunction Digital Compass (incl. Watch, stop watch, thermometer)

This multifunction digital compass will be your ideal companion at sea. It features four functions, compass, thermometer, watch and stopwatch. All functions are displayed on an LCD screen with EL backlight. The 'SeaNav' multifunction digital compass is very easy to use, and you can always carry it with you, using the strap included.

Code	31369
Colour	Black

#### Compass

- Accuracy +/- 3°
- 360° Differential Rate 1°
- Eight directions pointer (N, NE, E, SE, S, SW, W, NW, N)

#### Thermometer

- Range from -5°C to 55°C

#### Watch

- Time Format: 24 hour

#### Stopwatch

- Max: 1 hour



### Hand bearing compass, non-magnetic alloy

- Compass rose with 360° scale
- North Line with north arrow
- Rotary dial with 360° scale
- Sighting window with sighting line
- Bubble Level
- Base table
- Stand thread
- Inch Scale
- Cm Scale
- Lens prism
- Lid
- Housing

Code.....99984



## Plotting Tools

### ADVISOR

### Parallel Rulers

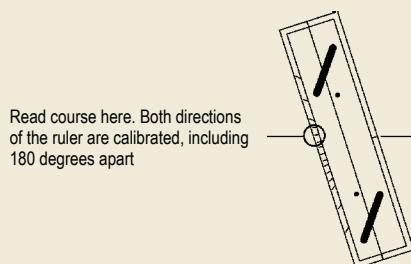
Parallel rulers are used to measure course bearing.

#### USING THE RULER WITH THE PROTRACTOR SCALE

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

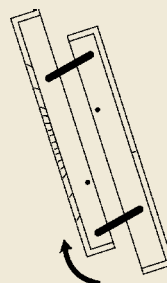
1. Align the ruler on the course line required
2. Walk the ruler until the center point 'S' at the rear is right on the nearest meridian of longitude
3. The direction is shown using the scale of degrees on the ruler's edge, which the same meridian crosses. The outer scale (smaller numbers-0° to 180°) 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 ruler can also be used as a plotter on badly creased charts that do not allow walking the ruler to the compass rose.



Read course here. Both directions of the ruler 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 rulers are moved in a walking action.

BEST VALUE



### Parallel ruler

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

### ADVISOR

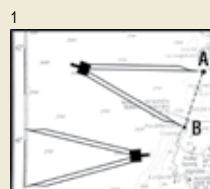
### Dividers

Dividers 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. Then, maintaining the spread, move the dividers to the latitude scale on the side of the chart (Figure 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



BEST VALUE

### 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	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")

# Sailboat Hardware



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Blocks



**Professional Bosun's Chair**  
Page 196



## Shock Cords

## Wire Accessories



Olive for shock cord

Code	Diameter (mm)	Weight (gr)
90587	5	15
90588	6	15
90589	8	20



Copper sleeves

Code	92660	92661	92662	92663	92664	92665
Diameter (mm)	2	2,5	3	4	5	6

## Rigging Accessories



**Delta Ring,  
No 80, Inox 304**  
Code...00003



**D-Ring,  
50mm, Inox 304**  
Code...00153



**Horse shoe hook**  
Code...00615

## Blocks



**Inox Block**  
Code..10134



**Single Block,  
10mm**  
Code..10131



**Single Block with  
Becket, 10mm**  
Code..10132



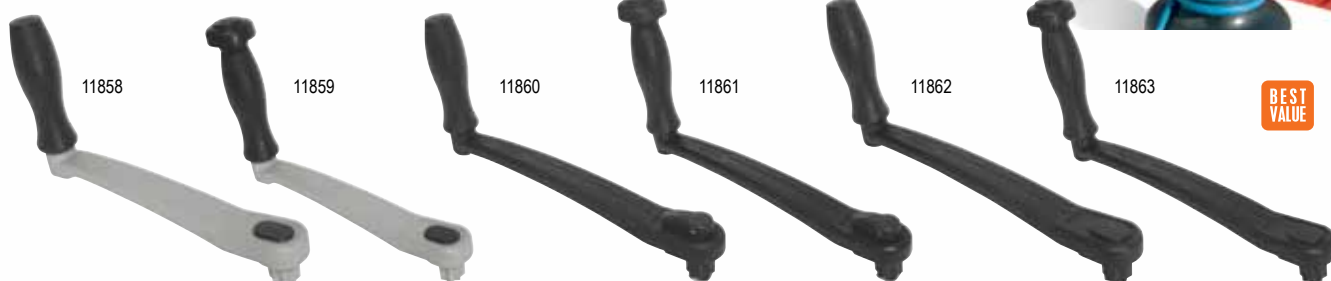
**Fiddle Block,  
10mm**  
Code..10133

## Winch Handles

### Winch Handles

Lalizas Winch Handles have been designed to operate efficiently with the minimum of effort. They are lightweight, easy to handle and highly resistant to the marine environment, as they are made of anodised aluminium. Lalizas winch handles are available in two lengths 20cm and 25cm, each with or without locking mechanism and speed handles with ball bearings enclosed.

Code	Description
11856	Aluminium Winch Handle Locking - 20cm
11857	Aluminium Winch Handle Locking with speed handle - 20cm
11858	Aluminium Winch Handle - 20cm
11859	Aluminium Winch Handle with speed handle - 20cm
11860	Aluminium Winch Handle Locking - 25cm
11861	Aluminium Winch Handle Locking with speed handle - 25cm
11862	Aluminium Winch Handle - 25cm
11863	Aluminium Winch Handle with speed handle - 25cm



**BEST  
VALUE**

## Cam Cleats & Accessories



**Cam Cleat 3-8mm**  
Code..10141



**Cam Cleat 8-12mm**  
Code..10142



**BEST  
VALUE**

Top fairlead for cam cleat

Code	92564	92565	92566	92567	92573	92574
For cam cleat	10141			10142		
Colour	Black	Red	Yellow	Blue	Black	Red



## Sail Accessories



### Inox hook 316

Code	Dimensions (mm)
70623	6x50
70624	8x50
70625	10x65

## Steering Equipment



BEST  
VALUE

### Urethane UNIVERSAL joint suits

Code.....95854

## Bosun's Chairs

### ADVISOR

#### Use

A Bosun's chair is a special chair designed for use both on boats and at any environment involving work at height. A bosun's chair gives you the freedom to accomplish many tasks at certain heights, but keeping you safe at the same time. Lalizas offer you two types of bosuns chair that are intended for professional or personal use.

#### Instructions of Use

In order to use the chair safely, it is important that it is fitted correctly. The bosun's chair is worn under your legs and then the straps and safety belts are adjusted giving you a good fit but it is not too loose or tight. Finally, secure the halyard to the D-Rings. Under no circumstances should you use a snap hook instead of halyard, as it is not as strong and cannot hold much weight. The harnesses should have a perfect fit on your body. For your safety, Lalizas suggest that you also use a special safety harness in combination with the bosun's chair.

#### Maintenance / Replacement

Like all Lalizas products, bosun's chairs are constructed according to the highest quality construction standards, so that they last and offer you safety, without being uncomfortable. Nevertheless, you should take care of your bosun's chair in order to maintain all its functions. Such products should not come in contact with extreme temperatures and sharp surfaces. Also after each use, they should be washed in clear water. If you do not use it properly and you notice any cuts or tears on the chair or its straps, you should replace it immediately.



BEST  
VALUE



Code.....10210



### Professional Bosun's Chair

The Lalizas Professional Bosun's Chair has been designed according to the highest quality standards, so that it can be used by professionals.

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



BEST  
VALUE

### 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.....10080

BEST  
VALUE



### Wooden Seat for Professional Bosun's Chair 10210

Code.....01169

*It is recommended that an additional approved safety harness is always worn when using any bosun's chair. For more information on safety harness, turn to page 172*



## Rigging & Sail Repair Tapes

### Mounting Tape, white

Fixing on-board now becomes far easier, with this double-sided adhesive tape. It is suitable for mounting pictures or any other decoration on most types of dry and smooth surfaces.

SEA  
TAPE



Code	Dimensions
11850	2mm x 18mm x 1.6m

SEA  
TAPE



### Sail Repair Tape, white

Code	Dimensions
11844	100mm x 1,5m

### Instructions of Use

Use 10cm (4") of tape for every 227gr of the item to be mounted. The tape is suitable for objects with maximum weight up to 900gr.

1. Cut the tape at the necessary length. Do not remove the protective liner
2. Press the tape on the back of the item to be mounted. Press firmly on the liner for a better result.
3. Remove the liner and press the object firmly onto the bulkhead



**Note:** If you wish to remove the mounted item, insert a knife behind the mounted item and cut the tape between the two surfaces. Do not pull the item, this will avoid damaging either the surface or the item itself.

SEA  
TAPE



### Sail Repair Tape, clear

Code	Dimensions
11554	50mm x 3m
11555	100mm x 3m

SEA  
TAPE



### Spinnaker/Sail repair tape, white

Code	Dimensions
11845	4,5m x 50mm

### Masking Tape, cream

A general-purpose tape, suitable for holding, sealing, as well as surface protecting. It has been designed for indoor use but also for extended outdoor use, since it can withstand up to 80°C temperature. Supplied in cream and 3 different sizes.



Code	Dimensions
11851	20mm x 50m
11852	25mm x 20m
11853	50mm x 50m



### Marine Neoprene Tape "Hatchseal"

Code	Dimensions	Color
11551	3m x 19mm x 3mm	Black
11552	3m x 19mm x 6mm	Black

### Vinyl Foam Thermal & Sound Insulating Tape, black

This thermal & sound insulating tape is suitable for pipeline protection from freezing, and increasing insulation. As an additional bonus, use of this tape will also increase sound insulation. It can also be used between the hull and the sole boards, so as to minimize any potential squeaking noises. The tape is available in different sizes.



Code	Dimensions
11854	50mm x 5m
11855	25mm x 5m



### Self-Adhesive Velcro

Code	Dimensions
11553	20mm x 1m

### Marine Duct Tape

Duct tape is a waterproof cloth tape, which can be used in numerous indoor or outdoor jobs and repairs. It is supplied in several colours and two different sizes.



Code	Dimensions	Color
11545	50mm x 5m	Black
11546	50mm x 5m	White
11547	50mm x 5m	Red
11548	50mm x 5m	Blue
11549	50mm x 5m	Silver
11550	50mm x 50m	Black



### Non-slip Tape, General Purpose

Code	Dimensions	Colour
11846	25mm x 5m	Black
11847	25mm x 5m	White



### Non-slip Tape, with elasticity

Code	Dimensions	Colour
11848	25mm x 5m	Black
11849	25mm x 5m	Grey

## Webbing & Webbing Adjusters



Code...20560

### "Click in" buckle

This belt clip has been tested and approved as integral components of the EN 393, 395 & 396 buoyancy aids and life-jackets.



### Buckle DS-40, Black

Code...00119



### Buckle DS-30, Black

Code...00183



### Buckle DS-25, Black

Code...01522



### Buckle LS-30, Blue

Code...00114



### Buckle, KS-40

Code	00286	00287
Colour	Black	Blue



### Strap regulator

Code	00071
Colour	Blue



### Delta Ring, No 80

Code...00003



### D-Ring, 50mm

Code...00153



### Buckle female, 50mm

Code...00152



### Buckle male, 50mm

Code...00151



### Buckle female, 40mm

Code...00171



### Buckle male, 40mm

Code...00170



Code	Description
00165	Nylon webbing 25mm, Blue, (Roll 50m)
00166	Tubular Nylon Webbing 25mm, Blue, (Roll 50m)
00043	Polyester Webbing 25mm, White, (Roll 50m)
02035	Polyester Webbing 25mm - Yellow - (Roll 50m)
00068	Polyester Webbing 50mm, Blue, (Roll 50m)