



LADDER SYSTEM

Carbon fiber swim ladder solution

EXIT
CARBON

BETTER
YACHTING



MADE IN ITALY

www.exitcarbon.com

Carbon fiber swim ladders

Your yacht may need different ladders for different climbs.

Exit Carbon Ladders enables you to combine different modules when and where you need them. Our range of ladders is the light, fully customizable carbon fiber swim ladder solution for small yachts to cruising ships.

Giotto swimming pool style ladders with 80 cm tall grips, for maximum comfort when at anchor, are available in 6 different widths and with the length going from 3 up to 10 steps, also in 2 parts configuration which gives you 3 different length ladders for the price of one. You can also have a folding variant, with the bottom 4 steps which are hinged. You can raise them out of the water when sailing, without removing the ladder from its fittings.

Miro ladders with 35 cm tall grips are available in 4 different widths, with length from 3 to 7 steps. It is available in solid or folding configuration.

Dali are fold-up swim platform ladders which can be left on the stern during navigation.

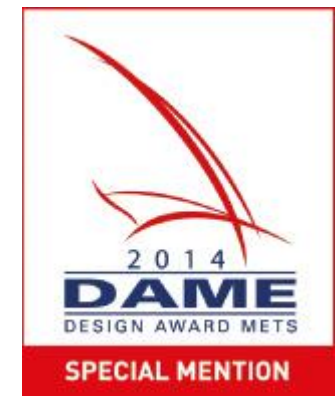
Two different kinds of standalone grips, 35 cm tall **Mirò** (0.7 kg) and 90 cm tall **Leonardo** (0.95 kg), both with quick release hand operated screws, can be added on deck when at anchor for maximum comfort.

TECHNICAL DATA

LENGTH	1650 mm to 3700 mm
WIDTH	350, 400, 450, 500, 550, 600, 650 mm
STEP DISTANCE	300 mm
WEIGHT	2.7 to 11Kg
2 PARTS LADDERS	2+2, 2+3, 3+3, 3+4, 4+4, 5+5
FOLDING LADDERS	3, 4, 5, 1+5, 2+5



Exit Carbon's Giotto ladder received the DAME Award Special Mention



Giotto

A carbon swim ladder with 80 cm tall grips for climbing comfort and great strength. Starting at 2.5 kg weight (3 steps, 40 cm wide model), it's as easy and safe as possible to remove and disassemble for easy storage. No risk of damaging your yacht with such a lightweight ladder.

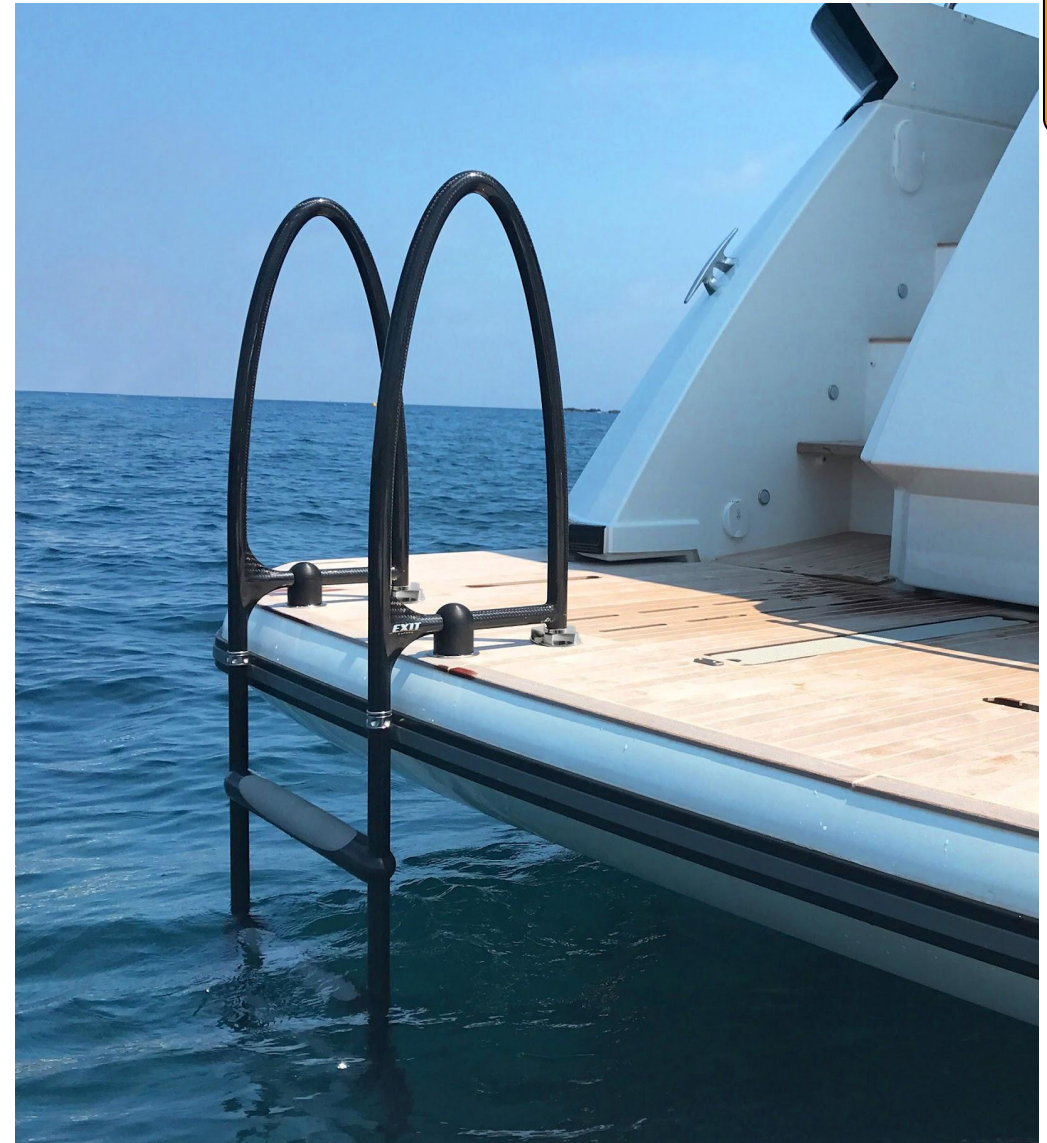
It can be ordered in 2 parts configurations to multiply its uses, connecting one or the other or both segments to the grips thus building with the same structure ladders with different lengths.

NEW

You can also buy folding versions, which can be left installed on the boat, raising out of the water only the bottom 4 steps when you are sailing.

Available from 3 to 10 steps, from 40 cm to 65 cm wide, enhanced with Exit Carbon's signature round section steps designed to maximum comfort on bare feet.

Giotto ladders can be installed on a flat swimming platform or on the side of the boat, with very small adjustments in the configuration: this ladder is the one solution for multiple uses.



NEW!

Giotto **folding** ladder

Folding steel ladders are fairly common and many customers have been asking a folding version of our Giotto ladders for many years.

It took us some time, but we are now very satisfied with the technical solutions we are providing for the hinges.

The folding mechanism is extremely compact, elegant, durable and easy to use. And of course very light.

You can finally have a carbon ladder which you can leave installed on the boat during sailing. You just need to raise the 4 bottom steps (there's also a 5 steps Full Folding version) and lock them to the convenient clamps, to rest them parallel to the upper part of the ladder.

Available from 4 to 7 steps, from 40 cm to 65 cm wide, starting at less than 4 kg.

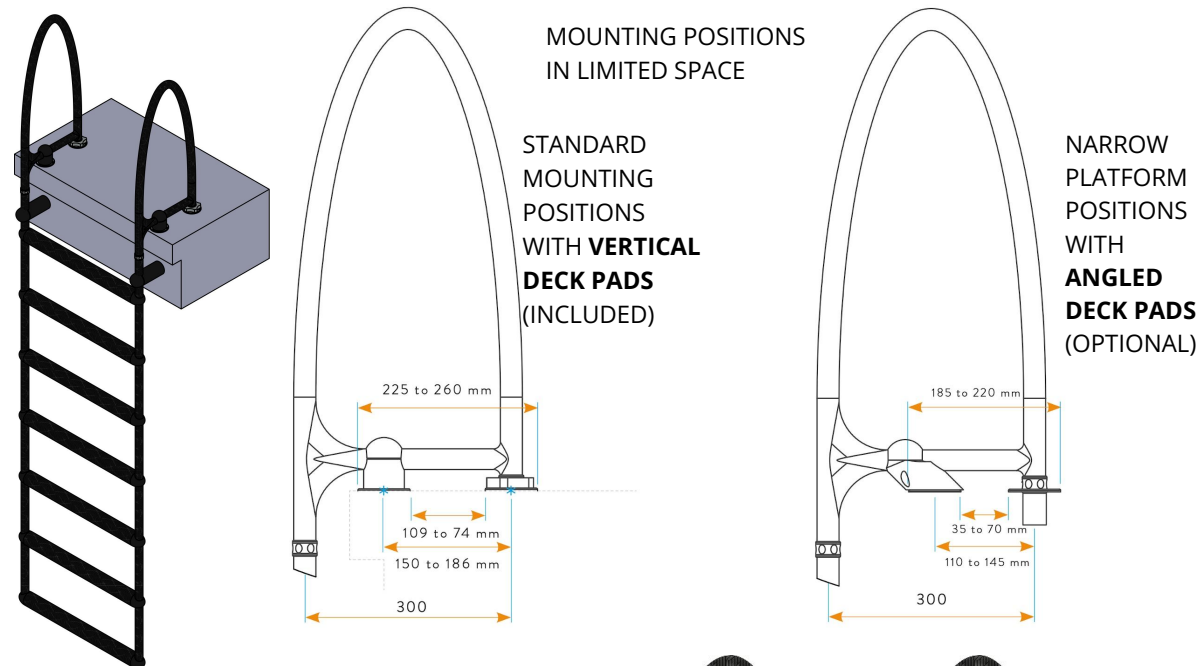


Giotto



Giotto ladder mounting scheme

On a flat surface, typically a swim platform



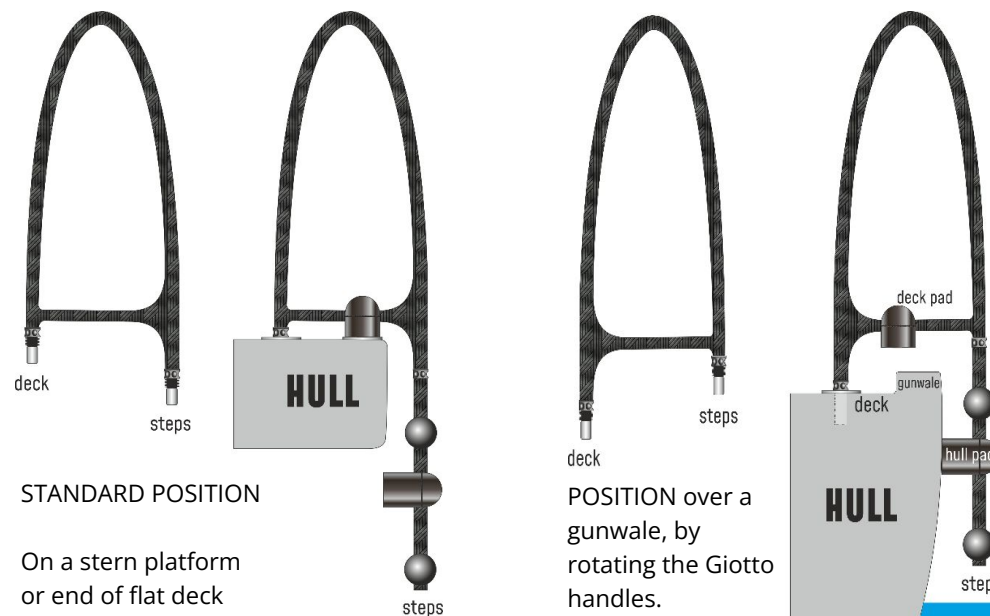
The **Giotto grips are 300 mm deep on the centerline**, but of course the ladder cannot be placed right against the hull, otherwise there is no room in front of the steps for the feet. So the **maximum centerline distance** of the sockets from the deck edge is 225 mm. To leave some room for the socket flange, this means 265 mm of flat surface from the deck edge.

The **minimum centerline distance** is dictated by the need to place the deck compression pads at a safe distance from the sockets. We have two different deck pads:

- the standard ones, included in the price of all Giotto ladders, requiring at least 225 mm free on deck,
 - the optional angled deck pads, in case your flat space is limited, allow installation on 185 mm of free space.
- See below for all the quotes and relevant details for installing Giotto on a flat surface.

Giotto ladder mounting scheme

On the side of the boat, with gunwale



Giotto ladder *installation*

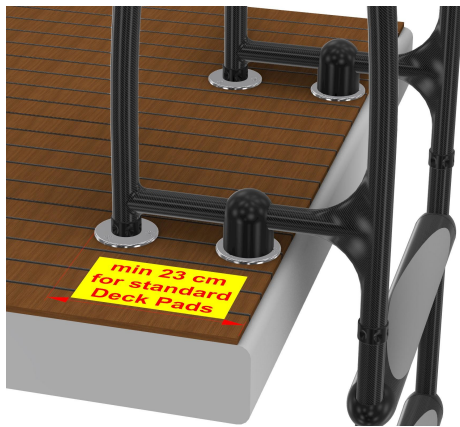
GIOTTO SYSTEM can be installed in many more different conditions, e.g. presence of gunwales, not completely flat surfaces, deck angles, stepped surfaces, and so on.

Check this sample video for inspiration: https://youtu.be/GZOkEIXe_Ko .

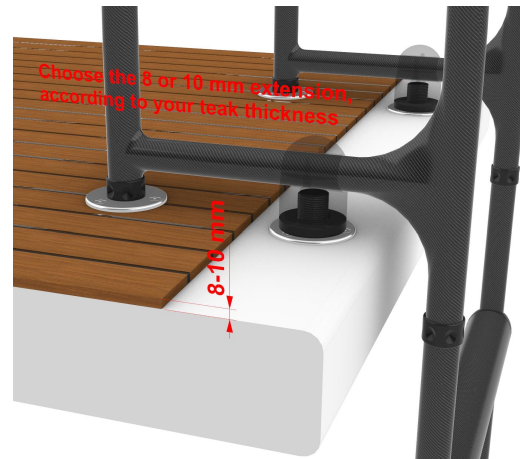


TECHNICAL CONSTRAINTS

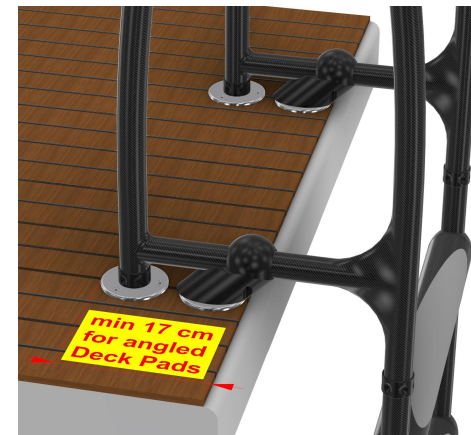
Minimum flat deck area with standard deck pads: 210 mm. 170 mm with Angled deck pads, or 80 mm with Hull pads.
Choose your variant when ordering.



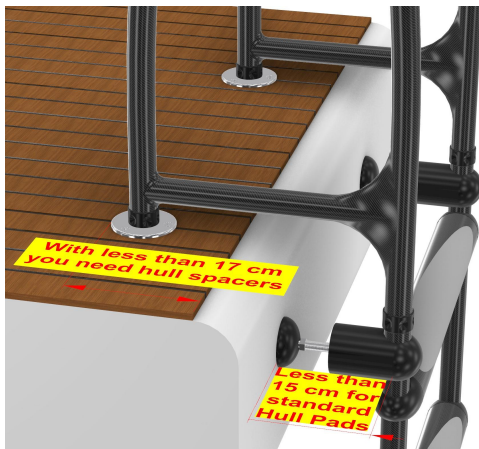
Mounting kit for a flat surface, free of obstacles, more than 21 cm long: Standard Sockets with Deck Pads



Deck pad extension for Giotto



Mounting kit for a flat surface, free of obstacles, less than 21 cm but more than 17 cm long: Standard Sockets with 45° Angled Deck Pads



Mounting kit for a flat surface less than 17 cm long (minimum 8 cm), with the ladder closer than 15 cm to the hull (minimum 11 cm): Standard Sockets with standard Hull Pads

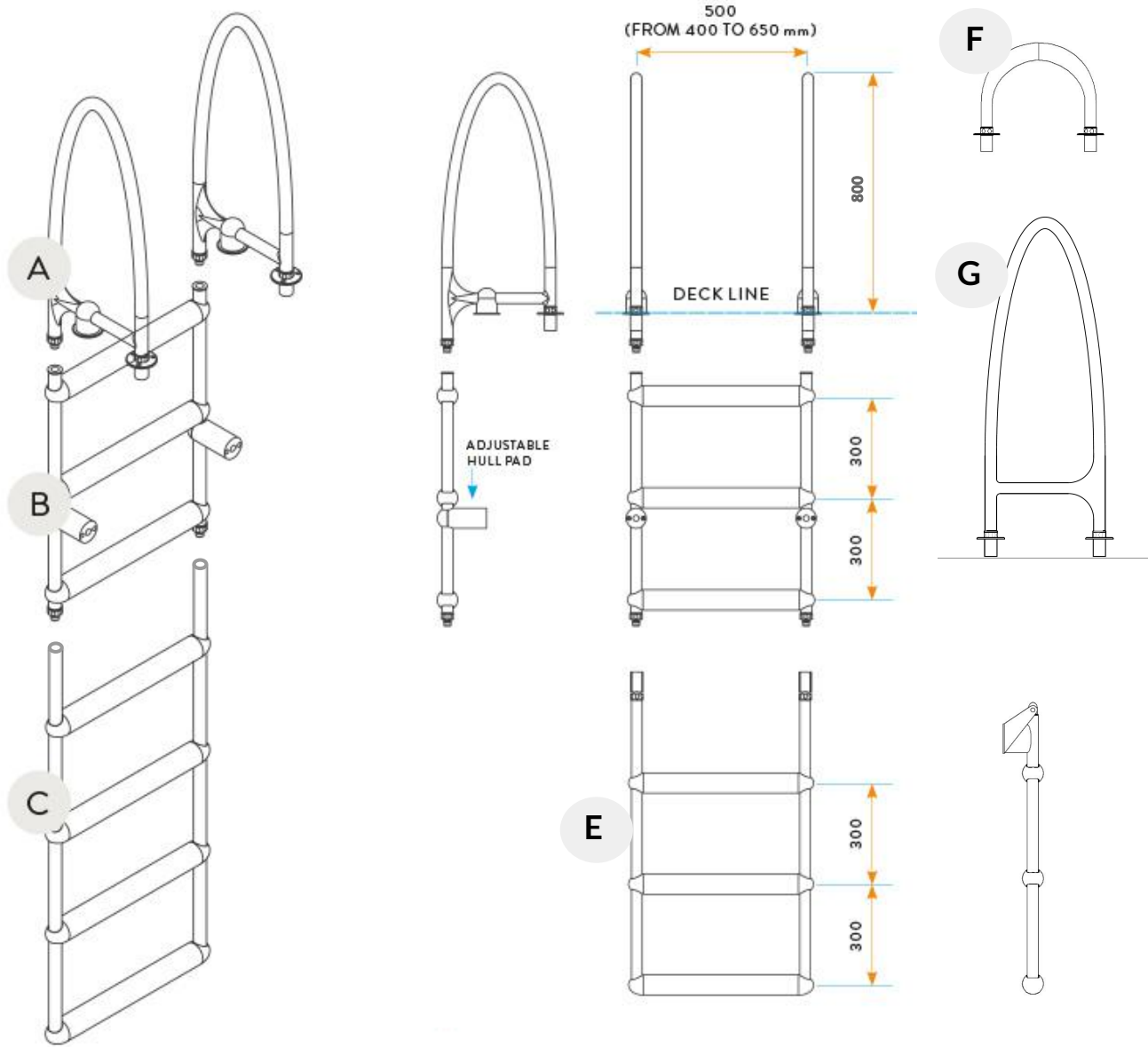


Mounting kit for a flat surface less than 17 cm long (minimum 8 cm), with the ladder farther than 15 cm from the hull: Standard Sockets plus "Extra long, stabilized hull support", to be added as an option according to the distance between ladder and hull, and respecting the width of your ladder

All female deck sockets are available with stainless steel or black aluminium fittings

Elements

A	Giotto 80 cm tall Grips
B	3 steps upper segment
C	4 steps bottom segment
A+B+C	Giotto 2 parts
E	Dalì 3 steps
F	Mirò 35 cm tall Grip
G	Leonardo 90 cm tall Grip



Fitting and customization

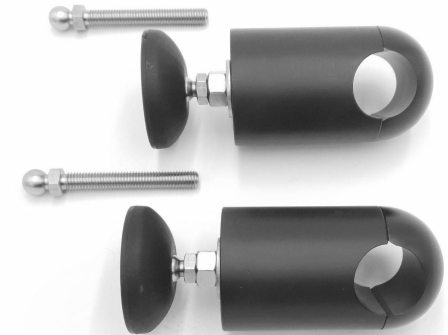
Custom painting and yacht name



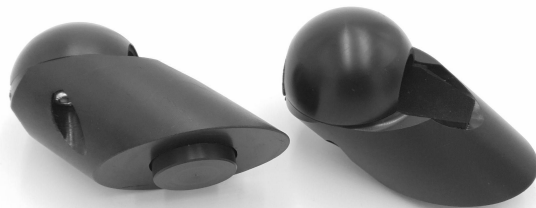
Padded stow bag



Hull pads



Angled deck pads



V-Hull spacer



Additional installation positions



Carbon fiber, surfaces, painting and polishing

Our carbon fiber products are produced to have the strongest and lightest structures. With this goal in mind, we exclude the use of hand-wet layup or resin infusion, the two most common technologies, also because they are usually applied with gel-coat on the mould side, which is heavy and not necessary with high performance techniques like pre-preg autoclave curing pultrusion or filament winding.

Of course, you can ask for your Exit Carbon product to be painted in any color and be assured that the painting will be done by a careful and expert hand for a correct application: with a carbon fiber surface ready-to-use, the surface is too smooth for direct painting, so it needs to be completely sanded before the application of the new color.

We sand the carbon surface, then we apply a spray filler and sand it again. The process goes on by using a primer, followed by the paint and then the clearcoat. In the same way, the application of transparent paint or a simple clearcoat is not to be underestimated: since the resin content of the composite is just right, there is micro-porosity on most yarn crossings, so thin that it's not visible if left unpainted. Unfortunately, when paint is applied, the small pore generates a sort of funnel in the paint, increasing its diameter, so the first layer of paint must be sanded and painted again until pores are adequately coated.

The natural surface of our pull-winded uni-directional tubes (hybrid technique with a filament winding applied over a pultruded tube before curing) is the one you can appreciate on our standard sun awning poles.



Without any painting or polishing, this is an example of how parts come out of our moulds (end fittings are added later).



SWIM LADDER SYSTEM

GIOTTO ladder system *with 80cm tall removable handles, swimming pool style*

Available in folding versions and in 2 parts versions.

See below for special fittings to be used over a toe-rail or even double-use for side and platform use.



Steps 3 to 10

Nominal Width 40 to 65 cm

Weight 6 to 8 Kg

- ✓ Platform installation
- ✓ Stainless steel or black hard anodized aluminium hardware
- ✓ Over toe-rail on the side of the boat
- ✓ Folding versions

WIDTH	NUMBER OF STEPS							
	3*(f)	4(f)	5(f)	6(f)	7(f)	8**	9**	10**
40 cm	€4,460	€4,835	€5,210	€5,610	€6,010	€6,960	€7,410	€7,860
45 cm	€4,510	€4,885	€5,260	€5,660	€6,060	€7,010	€7,460	€7,910
50 cm	€4,560	€4,935	€5,310	€5,710	€6,110	€7,060	€7,510	€7,960
55 cm	€4,635	€5,010	€5,385	€5,785	€6,185	€7,135	€7,585	€8,035
60 cm	€4,710	€5,085	€5,460	€5,860	€6,260	€7,210	€7,660	€8,110
65 cm	€4,785	€5,160	€5,535	€5,935	€6,335	€7,285	€7,735	€8,185

* only available in one part. ** only available in 2 parts. (f) folding version available. **Add €875 for folding version. Add €500 for 2 parts versions** with 4, 5, 6, and 7 steps.

Finishing

- ✓ Carbon fiber finishing. Twill carbon fabric handles and pultruded carbon fiber tubes with UV resistant clearcoat
- ✓ Non-slip Platinum Grey RAL7036 tread finish
- ✓ Teak step surface available on request
- ✓ Choice of color available as option (see below)

Installation kit

n.2 Stainless steel or black hard anodized female deck sockets with low friction polymer locking screw
n.2 Delrin deck pads with locking deck disks if mounted on a wide flat surface

n. 2 Delrin/SS adjustable hull pads if mounted on a narrow surface (needs some room for frontal support)
n.2 Removable handles with stainless steel rotating joints

SWIM LADDER SYSTEM

Configuration options to specify when ordering	ADD
Stainless steel mounting kit for a flat surface, free of obstacles, more than 21 cm long: Standard Sockets with Deck Pads	€0
Stainless steel mounting kit for a flat surface, free of obstacles, less than 21 cm but more than 17 cm long: Standard Sockets with 45° Angled Deck Pads	€125
Stainless steel mounting kit for a flat surface less than 17 cm long (minimum 8 cm), with the ladder closer than 15 cm to the hull (minimum 11 cm): Standard Sockets with standard Hull Pads	€80
Stainless steel mounting kit For a flat surface less than 17 cm long (minimum 8 cm), with the ladder farther than 15 cm from the hull: Standard Sockets plus "Extra long, stabilized hull support", to be added as an option according to the distance between ladder and hull, and respecting the width of your ladder	€0
Stainless steel mounting kit for a moderately sloping surface, like the side deck of a boat, with the ladder closer than 15 cm to the hull (minimum 11 cm): Sockets for 6° slope plus standard Hull Pads	€310
Stainless steel mounting kit for a moderately sloping surface, like the side deck of a boat, with the ladder farther than 15 cm from the hull: Sockets for 6° slope plus "Extra-long, stabilized hull support" to be added as an option, according to the distance between ladder and hull, and respecting the width of your ladder	€226
Black aluminium mounting kit for a flat surface, free of obstacles, more than 21 cm long: Standard Sockets with Deck Pads	€0
Black aluminium mounting kit for a flat surface, free of obstacles, less than 21 cm but more than 17 cm long: Standard Sockets with 45° Angled Deck Pads.	€125
Black aluminium mounting kit for a flat surface less than 17 cm long (minimum 8 cm), with the ladder closer than 15 cm to the hull (minimum 11 cm): Standard Sockets with standard Hull Pads	€80
Black aluminium mounting kit for a flat surface less than 17 cm long (minimum 8 cm), with the ladder farther than 15 cm from the hull: Standard Sockets plus "Extra long, stabilized hull support", to be added as an option according to the distance between ladder and hull, and respecting the width of your ladder	€0

Accessories	PRICE
Additional pair of stainless steel deck fittings for deck pads (comprises sockets and locking disks)	€325
Additional pair of stainless steel deck fittings for hull pads (only sockets)	€260
Additional pair of stainless steel deck fittings for hull pads and angled base (6° angled flange sockets)	€490
Additional pair of black aluminium deck fittings for deck pads (comprises sockets and locking disks)	€325
Additional pair of black aluminium deck fittings for hull pads (comprises only sockets)	€260
Retrofit pair of Delrin angled deck pads (for narrow spaces, down to 185 mm flat deck area)	€330
Additional pair of adjustable hull pads (105 to 145 mm long, with self-orienting foot, for additional stability, especially for long ladders)	€325
Additional pair of adjustable long hull pads (105 to 205 mm long, with self-orienting foot, for additional stability, especially for long ladders)	€395
Yacht's name on top step	€225
V Hull Support for longer ladders	€1,130
Extra long, stabilized hull support for Giotto/Miro 170 to 390 mm long	€500 - €940

SWIM LADDER SYSTEM

Padded stow bags	NUMBER OF STEPS							
	3	4	5	6	7	8	9	10
Stow bag price	€ 560	€ 585	€ 615	€ 635	€ 655	€ 660	€ 675	€ 685

Finishing options	NUMBER OF STEPS							
	3	4	5	6	7	8	9	10
Ladder choice of color (with Clearcoat)	€ 555	€ 610	€ 665	€ 720	€ 775	€ 830	€ 885	€ 940
Non-slip tread choice of color	€ 360							
Ladder Metallic choice of color	€ 885	€ 940	€ 995	€ 1,050	€ 1,105	€ 1,160	€ 1,215	€ 1,270
Teak surface	€ 1,210	€ 1,575	€ 1,940	€ 2,305	€ 2,670	€ 3,035	€ 3,400	€ 3,765

Choices of color

Slate Grey - Whisper Grey - Platinum Grey - Silk Grey - Oyster White - Off White - Snow White - Purple - Ochre Brown - Grey Beige - Desert Sand - Pebble Grey - Majestic Blue - Cobalt Blue - Aristo Blue - Navy Blue - Royal Blue

Choices of color non slip surface

Pure White, Telegrey, Graphite Grey

For even more colors, ask a quote.

www.exitcarbon.com

EXIT CARBON IS MANUFACTURED

by **EXIT ENGINEERING**

For more details, please send us an email at info@exitcarbon.com

HEADQUARTERS

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