



HELIOS 38

SUN AWNINGS POLE SYSTEM

20 to 200 cm high. 3 different awning connections.



BETTER
YACHTING

 MADE IN ITALY

www.exitcarbon.com

HELIOS 38

Sun Awning Poles System

Featuring **high-tech carbon fiber** construction and fantastic **matt finishing**, Exit Carbon's sun awning poles come in a variety of lengths and diameters to perfectly match your stern or bow deck.

Designed for use on motor and sailing yachts, these poles are extremely **light-weight, easy to set up, and stow anywhere** with wall clips.

TECHNICAL DATA

HEIGHT FROM DECK	20 to 200 cm
MAX LOAD	44 kg to 79 kg
DIAMETER	38 mm
ANGLE	0° or 6°
CONNECTION	eye-bolt or Clamcleat®
AWNING SURFACE	max 8 m ²



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Sun Awning Poles combine strength and beauty

HELIOS is a carbon sun awning system specially designed for sail and motor yachts. It consists in carbon fiber poles of different diameters, a set of female deck sockets, made both of stainless steel and aluminium, with different depths, thicknesses, flange diameters, and standing angles. Most sockets can be chosen with different fitting options (water drains, special bottom reinforcements, steel counter-flanges) to solve most installation problems. On request, in cooperation with MarineWerk, we can supply the awning, custom made with Serge Ferrari Soltis or Sunbrella fabrics.

STRONG, CONVENIENT & AESTHETICALLY IMPECCABLE

Carbon fiber strength makes these poles stable support for your sun awning. No vibrations means a quieter boating experience at anchor, but also during slow navigation with no wind. Their simple elegance adds value to any boat.

EASY TO SET-UP & STOW

Set up the extra-light poles by sliding them into the polymer lined sockets. Friction keeps them in place when the sun awning is tightened. Release the awning and effortlessly slide the poles out. Just as quickly hang them against any bulkhead or below the locker lid with our polymer wall clips.

CUSTOMIZE YOUR SHADE

Helios poles come in Exit Carbon's signature carbon look, both with the exclusive unidirectional fibers completed by a diamond pattern or with a more traditional twill fabric finishing. Of course they can also be painted in a custom color of your choice.



Fit it where it's most convenient, preserving your boat from excessive stress

✓ **Determine the max load you will apply to the poles adding the wind effect on the awning**, and check on the next page which diameter is the right pole for you, choosing from 22 lengths (from 20 cm to 230 cm), four diameters (32 mm, 38 mm, 60 mm, 80 mm), and two angles (0° or 6°).

As a rule of thumb, we suggest the following limits for our poles:

HELIOS 32 => Max 5 m ²	HELIOS 38 => Max 8 m ²
HELIOS 60 => Max 20 m ²	HELIOS 80 => Max 50 m ²

✓ **Carefully choose the most appropriate socket for your own yacht.**

A long pole will apply a very high concentrated load to the socket and this load will have to be safely transferred to your boat structure, avoiding stress concentrations on weak points. This is why we favor **wide deck flanges**, which distribute the bending load on a bigger deck area, when a small flange could easily collapse the deck sandwich. We also supply **counter-flanges** with a double effect: they make installation easier, with no nuts and no shims, but they also distribute in a much more effective way the loads on the whole circumference. Another useful option to consider is the **"bottom screw"**, which you can use to lock the bottom of the socket with an additional bracket to a nearby bulkhead. Another excellent way to reduce the high loads on a socket is the use of **bulkhead or handrail fittings**, which normally support a pole in a much higher position than a deck socket. On smaller boats, we provide also **angled sockets** to create a greater shade area at shoulder height, while keeping a small perimeter on deck.

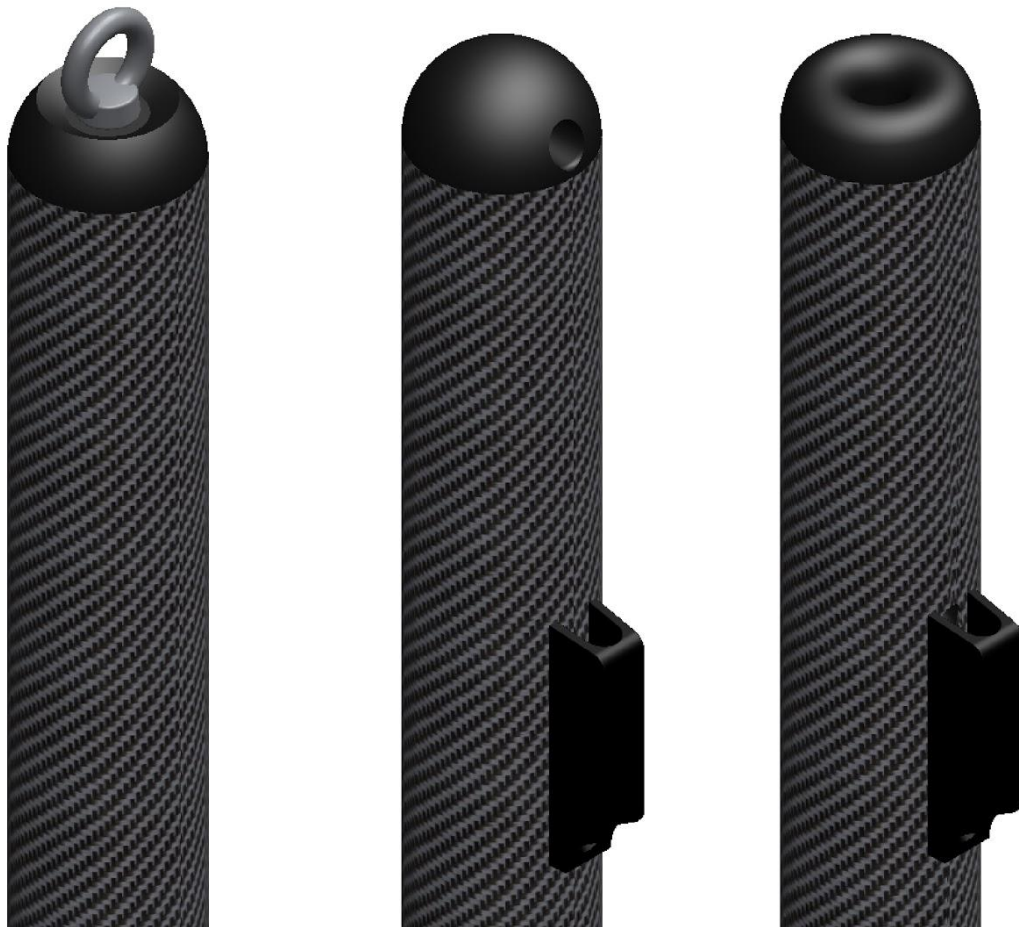
Hard anodized Bulkhead fitting



Hard anodized Handrail fitting



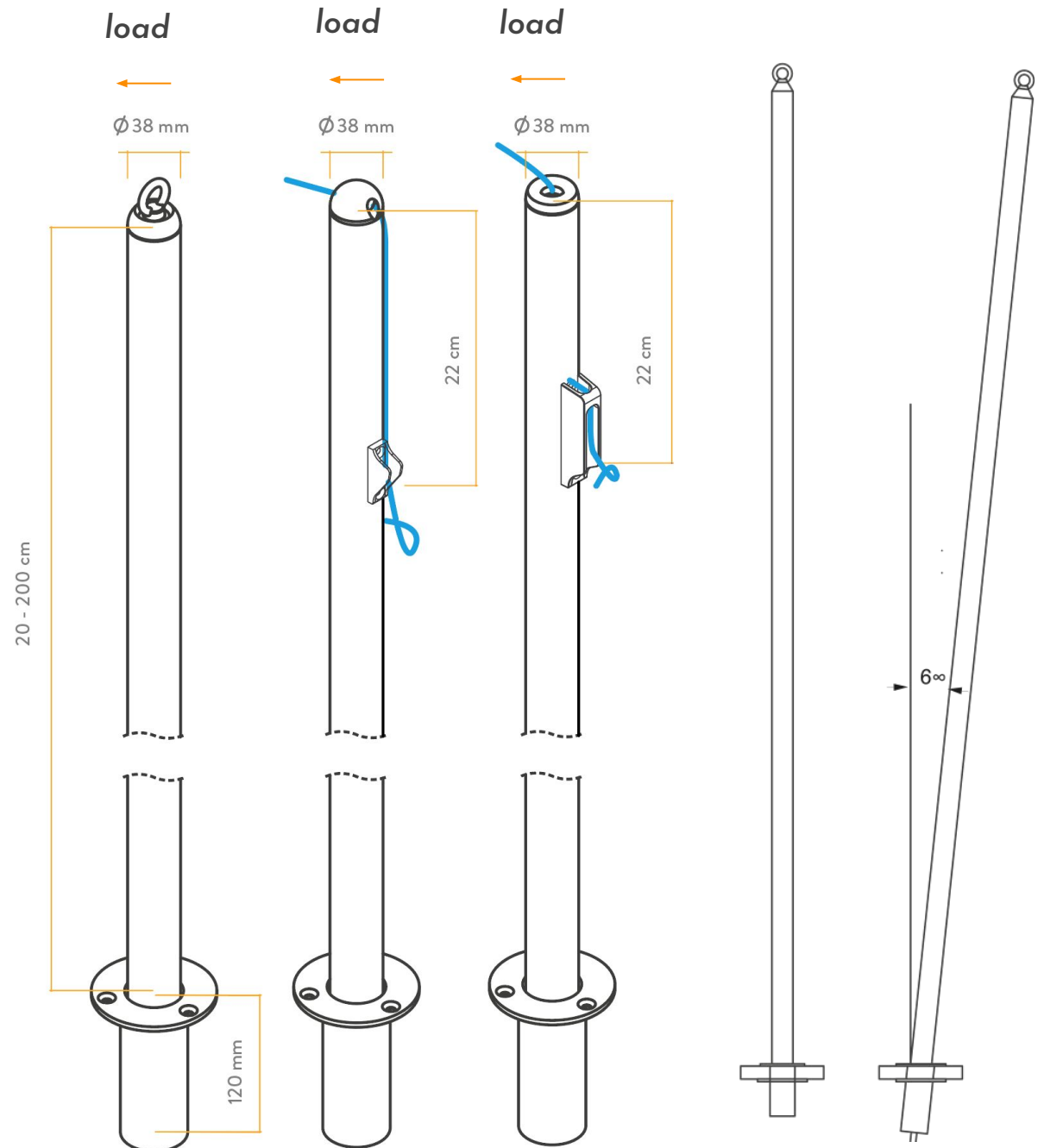
Sun Awning Poles combine strength and beauty



✓ **Select how to attach your awning:** a simple eye-bolt on top, if the tape has adjustable length, or with a Clamcleat® on the side with external or internal rope

MAX SIDE LOAD ON TOP OF THE POLE

	32	38	60	80
110 cm	55 kg	79 kg	210 kg	550 kg
120 cm	50 kg	73 kg	193 kg	500 kg
130 cm	46 kg	67 kg	178 kg	460 kg
140 cm	43 kg	63 kg	164 kg	430 kg
150 cm	40 Kg	58 Kg	154 Kg	400 kg
160 cm	38 kg	55 kg	144 kg	375 kg
170 cm	36 Kg	52 Kg	136 Kg	350 kg
180 cm	34 kg	49 kg	128 kg	330 kg
190 cm	32 kg	46 kg	121 kg	315 kg
200 cm		44 Kg	115 Kg	300 kg
210 cm			110 kg	285 kg
220 cm			105 kg	270 kg
230 cm			100Kg	260 kg



Female deck sockets

Fittings

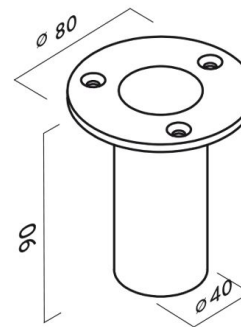
Exit Carbon offers a large variety of **female deck sockets** for your carbon poles. Flanges are 4 mm thick as a minimum and quite wide, to distribute the load on a bigger deck surface. Nevertheless, for longer poles, consider our **sockets with bottom screw**, to fit an additional bracket below deck.

All sockets come with an impeccable highly-polished deck flange and are lined with a protective polymer sleeve. The 2 smallest ones are available also in black, hard anodized aluminium.

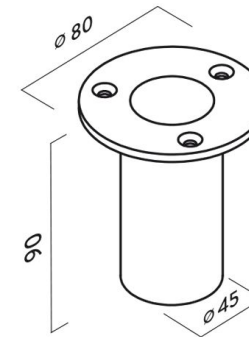
Notice: standard sockets have a hole on the bottom, for construction reasons. Choose a variant with bottom sealing, drain tube or bottom screw, for **water tightness**.

All sockets, except for the 90 mm deep one, are also available with bottom seal, water drain or bottom screw. Please consider where, on your boat, you'll be fitting them, to order the appropriate variant.

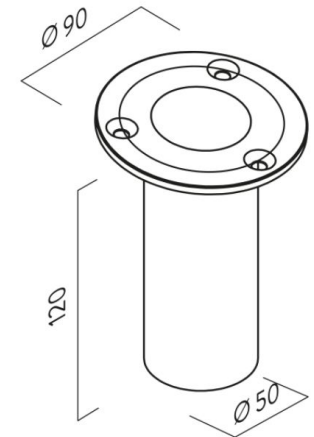
Pic. 1



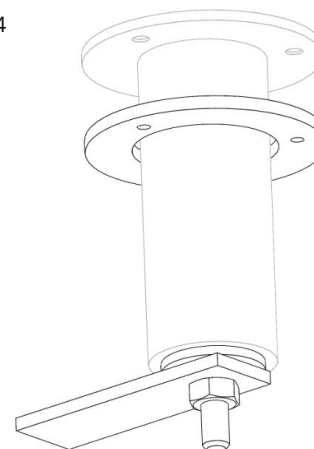
Pic. 2



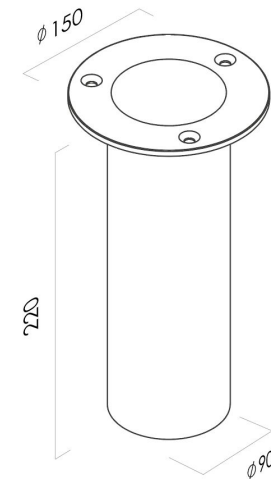
Pic. 3



Pic. 4



Pic. 5



<p>Pic. 1 Stainless steel or black hard anodized aluminium, 90 mm deep, vertical female deck socket with polymer sleeve for 32 mm pole</p>
<p>Pic. 2 Stainless steel or black hard anodized aluminium, 90 mm deep, vertical female deck socket with polymer sleeve for 38 mm pole</p>
<p>Pic. 3 Heavy duty, stainless steel, 120 mm deep, vertical or 6° angled female deck socket with polymer sleeve for 32 and 38 mm poles</p>

<p>Pic. 4 Example of female socket with rear flange and bottom screw for additional bracket. (bracket not supplied)</p>
<p>Pic. 5 Stainless steel, 120 mm deep, vertical or 6° angled female deck socket with polymer sleeve for 60 mm pole.</p>

Options

Stainless steel rear flange

Simplify the fitting of the female deck sockets with this strong, stainless steel counter-flange with threaded holes. Instead of using nuts with wide washers to be individually tightened, awkwardly holding your key below deck, use this single counter-flange. It distributes the load better than the widest of washers, but most of all, once you fit the 3 screws into their threaded holes, you won't need to use any key below deck when tightening the screws. Just tighten the screws from the top and the counter-flange will stay locked in place, tightening the deck material along the whole perimeter of the socket.

Practicality and safety, at the same time.



Wall clips

Use our wall clips, made with soft and strong polymer, to hang your Helios poles inside your locker. The long, thin shape, coupled with the light weight of the carbon poles, enables them to stay close to a bulkhead or roof without taking useful space from the locker.



Twill fabric finishing

Your poles can be completed with a layer of Twill carbon fabric, covered with UV resistant clearcoat. We obtain this with a manual second operation, covering the superstrong pullwinded structure we favor for all our poles, rather than choosing lower tech wrapping solutions.



Options

Paint

The carbon fiber poles come in Exit Carbon's signature carbon look, or a color of your choice, among the mixture of classic boating colors, and soft, modern tones we selected for you. You can also create a completely individual finishing, selecting any color from the whole RAL or Awlgrip palette. See Pricing page for details.



Padded Stow Bag

Provide the best protection for your poles and yacht with our exclusive, light grey Exit Carbon weatherproof padded stow bag. All our bags feature resistant and comfortable handles, individual slots for each pole, shoulder straps, practical zips, and can be customized with your logo or yacht name. Each can carry 2 to 6 poles for Helios 32 and 38; 2 to 4 poles for Helios 60 and 80.



Sun Awnings Poles

HEIGHT FROM DECK

20 to 90 cm

(8" to 3')

100 cm (3' 3")

110 cm (3' 7")

120 cm (3' 11")

130 cm (4' 3")

140 cm (4' 7")

150 cm (4' 11")

160 cm (5' 3")

170 cm (5' 7")

180 cm (5' 11")

190 cm (6' 3")

200 cm (6' 7")

210 cm (6' 11")

220 cm (7' 3")

230 cm (7' 7")

Clamcleat ® with rope running outside

Clamcleat ® with rope running inside

Padded Stow bag for Helios (2 to 4/6 poles)

Vertical or angled mount

(see sockets options)

Optional Clamcleat ® rope fitting,
both internal and external

Optional Twill Fabric finishing,
with Clearcoat

(see options below)

AVAILABLE LENGTHS AND PRICES WITH EYE-BOLT

	HELIOS 32	HELIOS 38	HELIOS 60	HELIOS 80
	€165	€ 215	€ 320	€ 550
	€175	€ 230	€ 335	€ 582
	€185	€ 245	€ 350	€ 614
	€195	€ 260	€ 365	€ 646
	€205	€ 275	€ 380	€ 678
	€215	€ 290	€ 395	€ 710
	€225	€ 305	€ 410	€ 742
	€235	€ 320	€ 425	€ 774
	€245	€ 335	€ 440	€ 806
	€255	€ 350	€ 455	€ 838
	€265	€ 365	€ 470	€ 870
	-	€ 380	€ 485	€ 902
	-	-	€ 500	€ 934
	-	-	€ 515	€ 966
	-	-	€ 530	€ 998
	+ € 95	+ € 105	+ € 120	+ € 140
	-	+ € 120	+ € 140	+ € 160
	€200 - 270	€220 - 310	€240 - 390	€260 - 410

UV resistant, UD carbon fiber finishing as standard.

Special reinforcements on stressed sections and Clamcleats® fitting. No screws on carbon.

HELIOS finishing options

	HELIOS 32	HELIOS 38	HELIOS 60	HELIOS 80
Twill Fabric + clearcoat	+€150	+ € 200	+ € 260	+ € 500
High-Gloss UV Resistant Clearcoat	€ 80			

Choices of color

Slate Grey - Whisper Grey - Platinum Grey - Silk Grey - Oyster White - Off White - Snow White - Ochre Brown - Grey Beige - Desert Sand - Pebble Grey - Majestic Blue - Cobalt Blue - Aristo Blue - Navy Blue - Royal Blue. For even more colors, ask a quote.

€ 130

HELIOS Sockets

	PRICE
H32 90 mm deep vertical stainless steel or black aluminium female socket (1)	€ 90
H38 90 mm deep vertical stainless steel or black aluminium female socket (1)	€ 115
H32 120 mm deep vertical stainless steel female socket	€ 150
H32 120 mm deep 6° angled stainless steel female socket	€ 160
H38 120 mm deep vertical stainless steel female socket	€ 150
H38 120 mm deep 6° angled stainless steel female socket	€ 160
H60 120 mm deep vertical stainless steel female socket	€ 180
H60 120 mm deep 6° angled stainless steel female socket	€ 190
H80 220 mm deep vertical stainless steel female socket	€ 275

All our sockets are supplied with highly polished outer flanges and polymer sleeves to avoid metal on carbon contact.
(1) Only available with sealed bottom, without possibility of water drain or bottom screw.

HELIOS Accessories

	PRICE
all Bottom seal for socket	€ 10
all Drain tube fitting for socket	€ 15
all Bottom screw for additional bracket for socket	€ 20
H32/38 stainless steel rear flange (threaded)	€ 30
H60 stainless steel rear flange (threaded)	€ 45
H80 stainless steel rear flange (threaded)	€ 90

The stainless steel rear flange is very convenient for easy assembly and optimal load distribution on an extended deck surface. The flange has threaded holes that correspond with the top flange holes, so no nuts are needed.

H60 stainless steel below deck extra support flange	€180
H80 stainless steel below deck extra support flange	€280

Increases the stiffness of the socket, helping to distribute the bending load on an appropriately wide deck area.

H32/38 Flush socket cap (only straight sockets)	€25
H60 Flush socket cap (only straight sockets)	€30
H80 Flush socket cap (only straight sockets)	€45
H32 Storage clip pair	€15
H38 Storage clip pair	€18
H60 Storage clip pair	€25
all Awning Black bag Soltis Serge Ferrari	€ 130
all Bag Yacht Name	€ 65

www.exitcarbon.com

EXIT CARBON IS MANUFACTURED

by **EXIT ENGINEERING**

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