

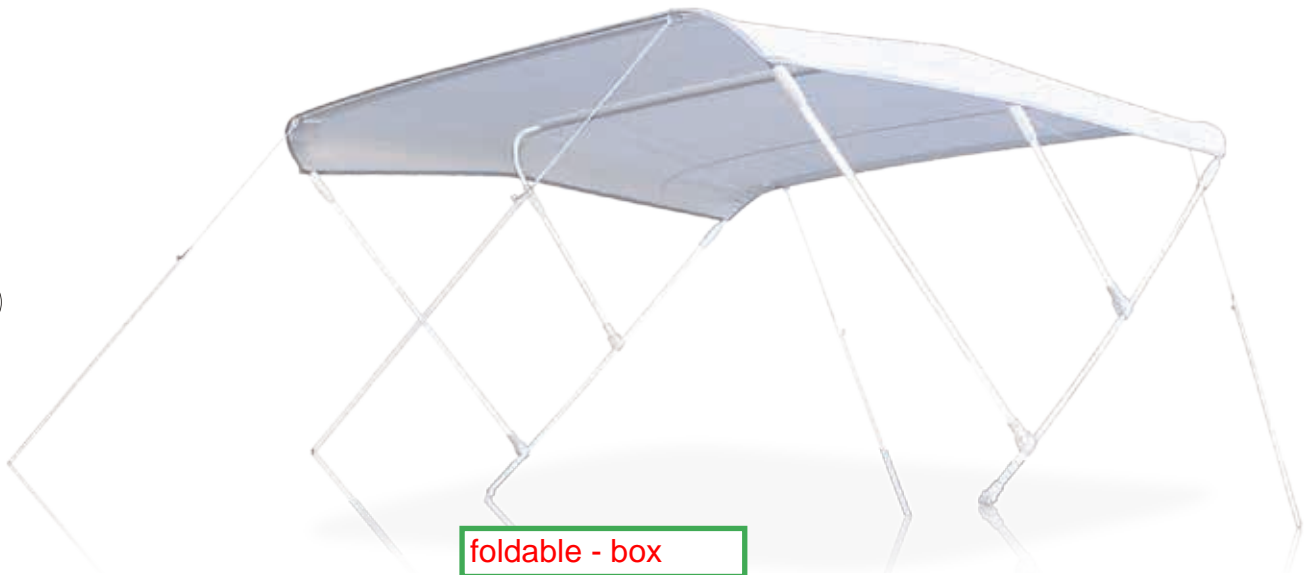


BIMINI SUN-TOP

**U.S.
PATENT**

The space-saving, foldable Bimini sun-top from Mate USA provides protection and cooling shade while maintaining ventilation, visibility and free movement onboard. The lightweight Bimini is easily set into place with a choice of mounting options. Locking joints on the Bimini's frame enable it to fold quickly into a compact package, complete with a storage bag. Despite its average weight of just 13 lbs., the Bimini is engineered to withstand speeds up to 33 knots.

FOLDABLE BIMINI SUN-TOP

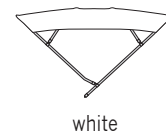


foldable - box

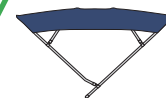
ARCHES
TYPE OF TUBE
TUBE DIAMETER
WATERPROOF
STORAGE BOOT
PACKAGING
MAX. SPEED OF USE
WARRANTY
AVERAGE WEIGHT

3
aluminium white powder painted tubing
0,78"
yes
yes
foldable
3 kts
5 years
13 lbs

AVAILABLE COLORS



white



navy blue

non stanno meglio
le foto piccole>?



evidenziare

BIMINI SUN-TOP

STANDARD ACCESSORIES



140-010-075

Fixing accessories



140-010-040/050

Standard fitting

evidenziare

OPTIONAL ACCESSORIES



140-010-025

Optional inflatable boat attachment



140-010-030

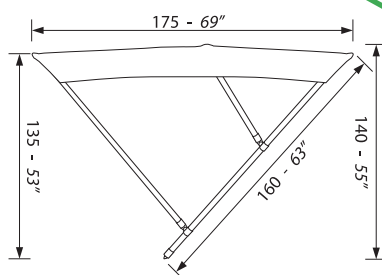
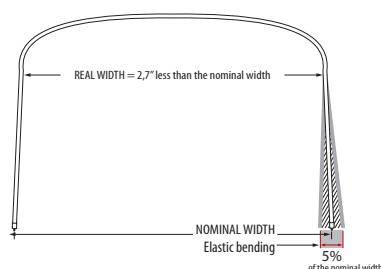
Rail mount nylon hinge as option



140- togliamo il paletto

Support pole as option

va aggiunto
l'attacco
basculante
140-010-002



DESCRIPTION

CODE

LENGHT

HEIGHT

COLOR

UNIT

BIMINI HIGH serie meas. 89"	T110-015-020-N	69"	53"	navy	piece	PATENTED
BIMINI HIGH serie meas. 89"	T110-015-020-W	69"	53"	white	piece	PATENTED
BIMINI HIGH serie meas. 60"	T110-020-005-N	69"	53"	navy	piece	PATENTED
BIMINI HIGH serie meas. 60"	T110-020-005-W	69"	53"	white	piece	PATENTED
BIMINI HIGH serie meas. 67"	T110-020-010-N	69"	53"	navy	piece	PATENTED
BIMINI HIGH serie meas. 67"	T110-020-010-W	69"	53"	white	piece	PATENTED
BIMINI HIGH serie meas. 73"	T110-020-012-N	69"	53"	navy	piece	PATENTED
BIMINI HIGH serie meas. 73"	T110-020-012-W	69"	53"	white	piece	PATENTED
BIMINI HIGH serie meas. 79"	T110-020-015-N	69"	53"	navy	piece	PATENTED
BIMINI HIGH serie meas. 79"	T110-020-015-W	69"	53"	white	piece	PATENTED

Why testing sun-tops inside the wind tunnel?

The idea of testing boat sun-tops originates as completion of the LIFE-TIME GUARANTEE which covers our sun-tops, and from the curiosity to prove in practise the result of an engineering and realization evolution achieved by Tessilmare in this specific field. Technical tests on fabrics have been performed by specialized textile laboratories; traction test, capability to tear and to fatigue to the several components tests have been carried out inside our company. Practical tests have been executed on boats of different sizes and at high speeds. As completion to the above it was needed, or better, it made us curious to get to know how Tessilmare sun-tops would “behaved” at extreme conditions surely not reproduceable in the practical use.

All sun-tops are made up on an average of 40 components; Tessilmare wanted to verify which of these components would give in or altered and at which speed the sun-top would collapsed. In which way the collapse would have taken place, if suddenly and therefore potentially dangerous for the user or if progressively.

What above has been partially confirmed during the test inside the Wind Tunnel, both statically and dynamically: over 66/72 ft/sec. a compression of the top cover in the front and a considerable aerodynamic lift in the back take place. At higher speeds a sudden stall took place causing a clear compression of the top cover which thus compressed the frame of the sun-top towards the bottom allowing thus a further increase of the speed in full safety conditions. Thanks to this compression there will not be the risk that the sun-top could “fly away” from the boat.

At a speed of 54 kts/h a sun-top 9.8 ft. width and approx. 9 square mts. surface starts with an aerodynamic lift of approx. 440 lbs. to an estimated compression of 176/220 lbs.

The sun-top structure goes down towards the boat deck without the frame suffers any deformations.

Thanks to these tests we can confirm that an average speed of 33 kts/h (which is considered a high cruising speed) does not weigh on a bigsize sun-top. The max. speeds reached inside the Wind Tunnel have been of 65 kts/h for sun-tops till 7.2 ft. width and 54 kts/h for sun-tops till 9.8 ft. width.

Collapse speed has not been reached.



TESSILMARE
SUN-TOPS
ARE

100%
MADE IN
ITALY



ENGINEERED BY
Rezzonico Massimo
MADE BY
Tessilmare

RADIAL

U.S.
PATENT

Fast and easy to install, Radial is the PVC fender profile with no rivals. Differently from all the profiles available on the market, Radial can be fitted cold in just few steps. The soft part is supplied in coils cut upon request (according to the boat perimeter), to avoid waste and unaesthetic interruptions. Furthermore it is produced in the same colour of the boats gelcoat, to better satisfy customers needs.

COLD FITTING
IN JUST FEW STEPS



RADIAL

A LOT OF SAVING
IN CONSTRUCTION TIME

Flexibility and handiness turn into easy application and attractive result.

How to bend

visit our video channel:



www.youtube.com/tessilmare

**COLD
FITTING**

**NO NEED
TO
PRE-HEAT**

1

Screw or rivet
the rigid track.

2

Hand bending
the track.

3

Install the soft pvc profile.
No need pre-heating.



RADIAL

BENDING MEANING AESTHETIC VALUE

Advantages:

- Very high bending adaptability
- Perfect hull adhesion very high aesthetic value



TRADITIONAL SYSTEMS



imperfect junctions

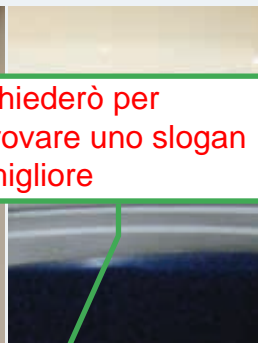


bending deformation



lack of hull adhesion

chiederò per trovare uno slogan migliore



unsightly bolting

**NO MORE
WITH
RADIAL**



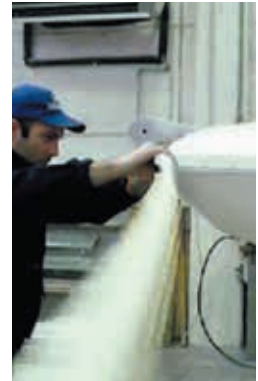
RADIAL fitting phases

1

RIGID TRACK INSTALLATION

Cold screwing or riveting the rigid track without any special tool. The track bends perfectly in the three boat directions, installation is quick and easy.

Track hand bending, no need to heat up the profile.



2

SOFT PROFILE INSTALLATION

The soft pvc profile is installed cold, no need for any special tool or pre-heating. The track bends perfectly in any direction all around the boat and there is no waste or unsightly joint.

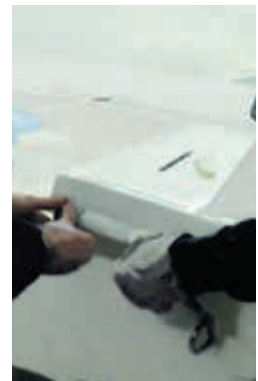


3

END CAP INSTALLATION

Cutting the profile.

Installation of PVC or stainless steel end and top caps.



How to bend

visit our video channel:



www.youtube.com/tessilmare



**COLD
FITTING**

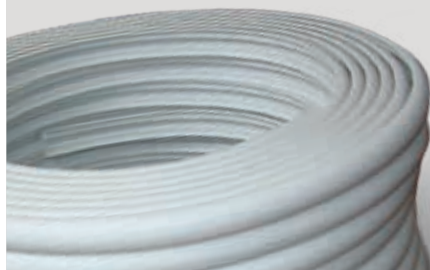
RADIAL

togliere, in USA
non lo facciamo

WE PROVIDE CUT **OF THE SAME LENGTH THAN THE BOAT**

This allows

- no aesthetical interruption
- saving in transportation costs
- more easiness in replacing the profile
- saving 2/3 of assembling time



JUNCTION

Elegant and convenient PVC and steel matching top and end caps will give the finishing touch to transoms and to the boat sizes.



si, dobbiamo
inserire la tabella
codici anche per
Radial...non so
dove

AVAILABLE COLORS

white

black

grey
by request

DESCRIPTION	HEIGHT	COLOR	UNIT		
RADIAL 30	1-1/8"	black/white	*	US PATENT	* available in complete Kits or in specific lenghts
RADIAL 40	1-5/8"	black/white	*	US PATENT	* available in complete Kits or in specific lenghts
RADIAL 52	2-1/8"	black/white	*	US PATENT	* available in complete Kits or in specific lenghts
RADIAL 65	2-1/2"	black/white	*	US PATENT	
RADIAL 80	3-1/8"	black/white	*	US PATENT	* by request
RADIAL 100	3-7/8"	black/white	*	US PATENT	* by request



SPHÆRA The new frontier of fender profiles

ENGINEERED BY
Rezzonico Ranieri
MADE BY
Tessilmare

Sphaera is the revolutionary fender profile, made of stainless steel co-extruded with rigid and shockproof vinyl chloride. Thanks to the innovative structural system, Sphaera is the first fender profile which combines high technical performance, with good quality aesthetical finishes.

This definitely places Sphaera on a higher level, compared to all the traditional systems normally used in the nautical field.

PAT.
PEND.

STAINLESS STEEL **316 L**



sphæra

Sphaera was born from the Italian skill and creativity: three working steps to develop a highly resistant profile, with the best aesthetical result.

- ultra light
- ultra strong
- easy bendable
- 4 sizes

How to bend

visit our video channel:



www.youtube.com/tessilmare

3 APPLICATION - ONE PRODUCT



FITTED ALONE



FITTED WITH A SLIM BASE



FITTED WITH A STRONG BASE

STOCK AND COSTS
REDUCED BY 70%

? non ricordo più
la frase originale...

- 316 L stainless
- Strong like
- One but lighter
- Easy to bend
- It doesn't deform

- Competitive price
- Stock reduced by 70%
- 3 Sizes only - 3 part numbers
- 1 Part number, 3 applications
(Ss - ss+slim base - ss+strong pvc base)





SPHÆRA



CORE

The infilling of Duralene, characterizes the stainless steel profile high level of adaptability to the shapes of the hull, avoiding any bends deformation and very difficult bending operations.

BASE

The PVC base, supplied in rolls cut to size, is the optimal solution to the unaesthetic joints of the rigid tracks typical of some traditional systems.

JUNCTION AND END CAP

The joint cap keeps the bars duly aligned, avoiding the drilling of the ends, so that the screws can be put all at the same distance.

TRADITIONAL SYSTEMS



bending deformation

profile flattening

bars junction

profile misalignment

multiple drillings

orrore mi fa
proprio marco....

**NO MORE
WITH
SPHÆRA**



SPHÆRA

PVC BASE INSTALLATION

1

The PVC base is placed on the boat with paper tape. The base is cut to size to avoid waste and breaks.



S/S BAR INSTALLATION

2

Steel bars are pre-drilled and are secured together with the base with steel screws. Bow and stern bends are created directly on the boat, that works as bending template.

We recommend the use of a wood template only in presence of very sharp and difficult boat side bends.



TOP AND END CAPS INSTALLATION

3

Well-designed and functional top caps successfully cover the gaps at joints and keep the bars perfectly aligned and avoid the two-screw unaesthetic look.

Elegant stainless steel end caps give the boat the finishing touch.



How to bend

visit our video channel:



www.youtube.com/tessilmare

DESCRIPTION	CODE	TOTAL HEIGHT	B HEIGHT		
KIT SPHÆRA 25	T130.130.225-B1	1"	1-		
KIT SPHÆRA 25	T130.130.225-W1	1"	1-		
The KIT includes: 50' pvc base + 5 S/S bars 1" x 9.8 FT ea. + 2 end caps + 5 joint cap					
KIT SPHÆRA 25	T130.130.225-B2	1"	1-		
KIT SPHÆRA 25	T130.130.225-W2	1"	1-		
The KIT includes: 70' pvc base + 7 S/S bars 1" x 9.8 FT ea. + 2 end caps + 7 joint cap					
KIT SPHÆRA 35	T130.130.230-B1	1-3/8"	2"	black base	kit
KIT SPHÆRA 35	T130.130.230-W1	1-3/8"	2"	white base	kit
The KIT includes: 50' pvc base + 5 S/S bars 1-3/8" x 9.8 FT ea. + 2 end caps + 5 joint cap					
KIT SPHÆRA 35	T130.130.230-B2	1-3/8"	2"	black base	kit
KIT SPHÆRA 35	T130.130.230-W2	1-3/8"	2"	white base	kit
The KIT includes: 70' pvc base + 7 S/S bars 1-3/8" x 9.8 FT ea. + 2 end caps + 7 joint cap					
KIT SPHÆRA 35	T130.130.230-B3	1-3/8"	2"	black base	kit
KIT SPHÆRA 35	T130.130.230-W	1-3/8"	2"	white base	kit
The KIT includes: 100' pvc base + 10 S/S bars 1-3/8" x 9.8 FT ea. + 2 end caps + 10 joint cap					

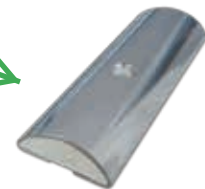
i font li puoi cambiare o preferisci, le immagini devono corrispondere che gli stiamo dando q questa sezione: foto d rotolo, foto dell'acciaio endcup 5 joint cap

i font li puoi cambiare come preferisci, le immagini a fianco devono corrispondere a quello che gli stiamo dando quindi in questa sezione: foto del rotolo, foto dell'acciaio, 2 endcup 5 joint cap



qui solo questo

DESCRIPTION	CODE	SIZES	UNIT
S/S BAR SPHÆRA 25	T130.130.125-3	1" x 9.8 ft	bar
S/S BAR SPHÆRA 35	T130.130.135-3	1-3/8" x 9.8 ft	bar
S/S BAR SPHÆRA 50	T130.130.150-3	2" x 9.8 ft	bar
S/S BAR SPHÆRA 65	T130.130.165-3	2-1/2" x 9.8 ft	bar



DESCRIPTION	CODE	HEIGHT	COLOR	UNIT
PVC BASE for SPHÆRA 25	T130.130.040-W	1-5/8"	white	ft
PVC BASE for SPHÆRA 25	T130.130.040-B	1-5/8"	black	ft
PVC BASE for SPHÆRA 35	T130.130.050-W	2"	white	ft
PVC BASE for SPHÆRA 35	T130.130.050-B	2"	black	ft
PVC BASE for SPHÆRA 50	T130.130.070-W	2-3/4"	white	ft
PVC BASE for SPHÆRA 50	T130.130.070-B	2-3/4"	black	ft
PVC BASE for SPHÆRA 65	T130.130.090-W	3-1/2"	white	ft
PVC BASE for SPHÆRA 65	T130.130.090-B	3-1/2"	black	ft

qui solo questi

PVC Base



DESCRIPTION	CODE	UNIT
S/S JOINT CAP for SPHÆRA 25	T130.500.125	n.
S/S JOINT CAP for SPHÆRA 35	T130.500.135	n.
S/S JOINT CAP for SPHÆRA 50	T130.500.150	n.
S/S JOINT CAP for SPHÆRA 65	T130.500.165	n.
S/S END CAP for SPHÆRA 25	T130.500.125	n.
S/S END CAP for SPHÆRA 35	T130.500.135	n.
S/S END CAP for SPHÆRA 50	T130.500.150	n.
S/S END CAP for SPHÆRA 65	T130.500.165	n.
KIT END CAP for SPHÆRA 25	T130.500.125	kit
KIT END CAP for SPHÆRA 35	T130.500.135	kit
KIT END CAP for SPHÆRA 50	T130.500.150	kit
KIT END CAP for SPHÆRA 65	T130.500.165	kit

qui va messo : solo joint cap end cup senza la base endcap con la base, 2 perchè vengono venduti a kit

S/S Joint Cap



S/S End Cap

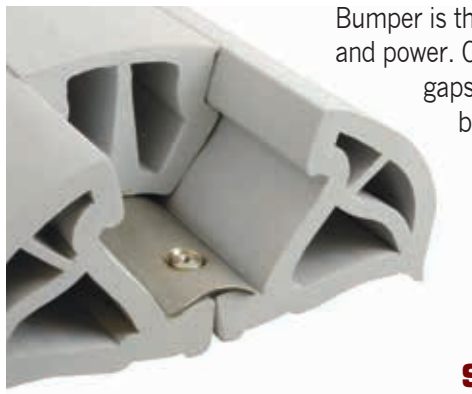


KIT End Cap





BUMPER



Bumper is the first fender profile that better represents the perfect alliance between lightness and power. Conceived with a triple structure of PVC, whose “architectures” create wide inner air gaps, Bumper reaches a capability of absorbing impacts, which has never been reached before.

STRONG BUT LIGHT



bumper

Bumper is supplied in coils, size upon request, to avoid junctions and failings. It can be easily installed, thanks to its own modularity: both base profiles are fixed to the hull through a stainless steel bar, while the top profile can be fitted by pressure.

BUMPER OWN FEATURES MAKE IT PARTICULARLY SUITABLE FOR:

- Yachts
- Tenders
- Working boats
- Military boats
- Docks and piers protection

DESCRIPTION	CODE	HEIGHT	MIN ORDER	UNIT
BUMPER Fender Profile series 3 pcs	130-110-125	4.92"	40 ft	coil
BUMPER Fender Profile series 3 pcs	130-110-125	6.30"	40 ft	coil
STEEL BAR bars 2 mts. long	130-110-170			



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