



Bimini Sun-Top



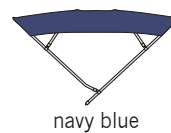
The space-saving, foldable Bimini sun-top from Mate USA provides protection and cooling shade while maintaining ventilation, visibility and free movement onboard. The lightweight Bimini is easily set into place with a choice of mounting options. Locking joints on the Bimini's frame enable it to fold 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

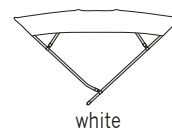


- 3 arches
- Aluminium white powder painted tubing
- 0,78" tube diameter
- Waterproof
- Storage boot
- Foldable box
- 33 kts max. speed of use
- 5 years warranty
- 13 lbs average weight

AVAILABLE COLORS



navy blue



white



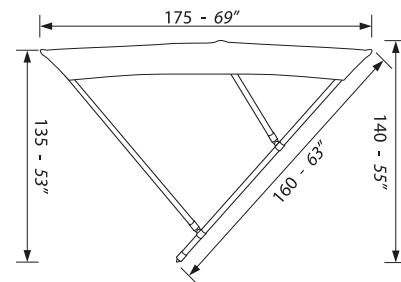
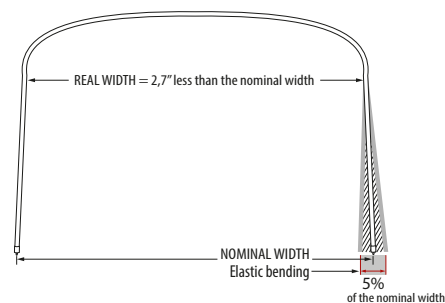


Bimini Sun-Top

INCLUDED ACCESSORIES



OPTIONAL ACCESSORIES



DESCRIPTION	CODE	LENGHT	HEIGHT	COLOR	UNIT	
Bimini High Serie meas. 89"	T110-015-020-N/W (N = Navy W = White)	69"	53"	navy/white	piece	PATENTED
Bimini High Serie meas. 60"	T110-020-005-N/W (N = Navy W = White)	69"	53"	navy/white	piece	PATENTED
Bimini High Serie meas. 67"	T110-020-010-N/W (N = Navy W = White)	69"	53"	navy/white	piece	PATENTED
Bimini High Serie meas. 73"	T110-020-012-N/W (N = Navy W = White)	69"	53"	navy/white	piece	PATENTED
Bimini High Serie meas. 79"	T110-020-015-N/W (N = Navy W = White)	69"	53"	navy/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 suntops till 7.2 ft. width and 54 kts/h for sun-tops till 9.8 ft. width.

Collapse speed has not been reached.



100%
MADE IN
ITALY

ENGINEERED BY
Rezzonico Massimo
MADE BY
Tessilmare

Radial

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.

**U.S.
PATENT**

**A LOT OF SAVING
IN CONSTRUCTION TIME**



RADIAL

**COLD FITTING
IN JUST FEW STEPS**

NO NEED TO PRE-HEAT



Screw or rivet the rigid track.



Hand bending the track.



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



How to bend: visit our video channel www.youtube.com/tessilmare



Radial

ADVANTAGE

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



BENDING

Very high bending adaptability
Perfect hull adhesion very high aesthetic value



JUNCTION

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



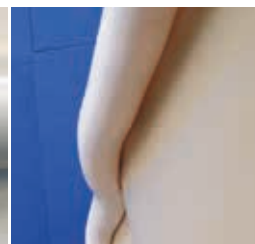
TRADITIONAL SYSTEMS



imperfect junctions



bending deformation



lack of hull adhesion



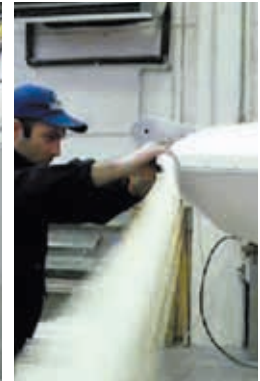
unsightly bolting

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

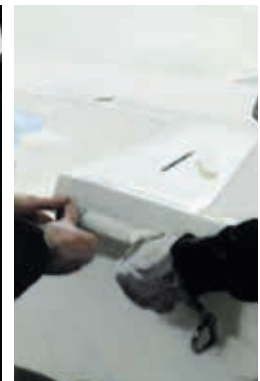
The soft pvc profile is installed cold, no need for any special tool or pre-heating. The track bends perfectly in any direction all around the boat and there is no waste or unsightly joint.



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

Kits of RADIAL



DESCRIPTION	CODE	HEIGHT	COLOR	UNIT
KIT Radial 30	T130-141-004	1-1/8"	-B1 = black -W1 = white	kit
the KIT includes: 46' soft rubrail + 7 bars semirigid tracks + 2 end caps + 1 joint cap				
KIT Radial 40	T130-140-110	1-5/8"	-B1 = black -W1 = white	kit
the KIT includes: 52' soft rubrail + 8 bars semirigid tracks + 2 end caps + 1 joint cap				
KIT Radial 52	T130-140-115	2-1/8"	-B1 = black -W1 = white	kit
the KIT includes: 72' soft rubrail + 11 bars semirigid tracks + 2 end caps + 1 joint cap				

RADIAL by the foot



STANDARD COLORS



black



white

COLORS BY REQUEST



grey

DESCRIPTION	CODE	HEIGHT	COLOR	UNIT
Rigid Track Radial 30	T130-141-006			ft
Soft Insert Radial 30	T130-141-007	1-1/8"	-B = black -W = white	ft
Rigid Track Radial 40	T130-141-011			ft
Soft Insert Radial 40	T130-141-012	1-5/8"	-B = black -W = white	ft
Rigid Track Radial 52	T130-141-016			ft
Soft Insert Radial 52	T130-141-017	2-1/8"	-B = black -W = white	ft
Rigid Track Radial 65	T130-141-021			ft
Soft Insert Radial 65	T130-141-022	2-1/2"	-B = black -W = white	ft
Rigid Track Radial 80	T130-141-026			ft
Soft Insert Radial 80	T130-141-027	3-1/8"	-B = black -W = white	ft
Rigid Track Radial 100	T130-141-031			ft
Soft Insert Radial 100	T130-141-032	3-7/8"	-B = black -W = white	ft

RADIAL fittings



DESCRIPTION	CODE	UNIT
S/S Joint Cap Radial 40	T130-500-610	n.
S/S Joint Cap Radial 52	T130-500-620	n.
S/S Joint Cap Radial 65	T130-500-630	n.
S/S Joint Cap Radial 80	T130-500-640	n.
S/S End Cap Radial 30	T130-500-500	n.
S/S End Cap Radial 40	T130-500-510	n.
S/S End Cap Radial 52	T130-500-520	n.
S/S End Cap Radial 65	T130-500-530	n.
S/S End Cap Radial 80	T130-500-580	right + left
		couple



Sphaera the new frontier of fender profiles

ENGINEERED BY
Rezzonico Ranieri
MADE BY
Tessilmare

PAT.
PEND.

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.

STAINLESS STEEL 316 L

- **Ultra Light** increases boat performances
- **Ultra Strong** like extruded stainless steel profiles
- **Easy bendable**
- **4 sizes - 4 part numbers**



sphæra

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



How to bend: visit our video channel www.youtube.com/tessilmare



3 application • 1 product



FITTED ALONE



FITTED WITH A SLIM BASE



FITTED WITH A STRONG BASE

**STOCK AND COSTS
REDUCED BY 70%**

- 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)



Sphaera



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

1 PVC BASE INSTALLATION

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



2 S/S BAR INSTALLATION

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.



3 TOP AND END CAPS INSTALLATION

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

Sphæra

Kits of SPHÆRA



DESCRIPTION	CODE	Total HEIGHT	Base HEIGHT	Code COLOR	UNIT
KIT Sphæra 25	T130-130-225	1"	1-5/8"	-B1 = black -W1 = white	kit
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	1"	1-5/8"	-B2 = black -W2 = white	kit
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	1-3/8"	2"	-B1 = black -W1 = white	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	1-3/8"	2"	-B2 = black -W2 = white	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	1-3/8"	2"	-B3 = black -W3 = white	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					

SPHÆRA by the bar



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

SPHÆRA by the foot



DESCRIPTION	CODE	HEIGHT	COLOR	UNIT
PVC Base for Sphæra 25	T130-130-040	1-5/8"	-B = black -W = white	ft
PVC Base for Sphæra 35	T130-130-050	2"	-B = black -W = white	ft
PVC Base for Sphæra 50	T130-130-070	2-3/4"	-B = black -W = white	ft
PVC Base for Sphæra 65	T130-130-090	3-1/2"	-B = black -W = white	ft

SPHÆRA fittings



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	T130-500-625	mounted without PVC BASE
S/S End Cap for Sphæra 35	T130-500-635	mounted without PVC BASE
S/S End Cap for Sphæra 50	T130-500-650	mounted without PVC BASE
S/S End Cap for Sphæra 65	T130-500-665	mounted without PVC BASE
Kit End Cap for Sphæra 25	T130-500-725	mounted with PVC BASE
Kit End Cap for Sphæra 35	T130-500-735	mounted with PVC BASE
Kit End Cap for Sphæra 50	T130-500-750	mounted with PVC BASE
Kit End Cap for Sphæra 65	T130-500-765	mounted with PVC BASE

ENGINEERED BY
Rezzonico Massimo
MADE BY
Tessilmare

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	COLOR	UNIT	
Bumper 125	T130-110-125-W	4-7/8"	white	ft	PATENTED
Bumper series 3 pcs	T130-110-125-B	4-7/8"	black	ft	PATENTED
Steel Bar for Bumper	T130-110-170			ft	



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