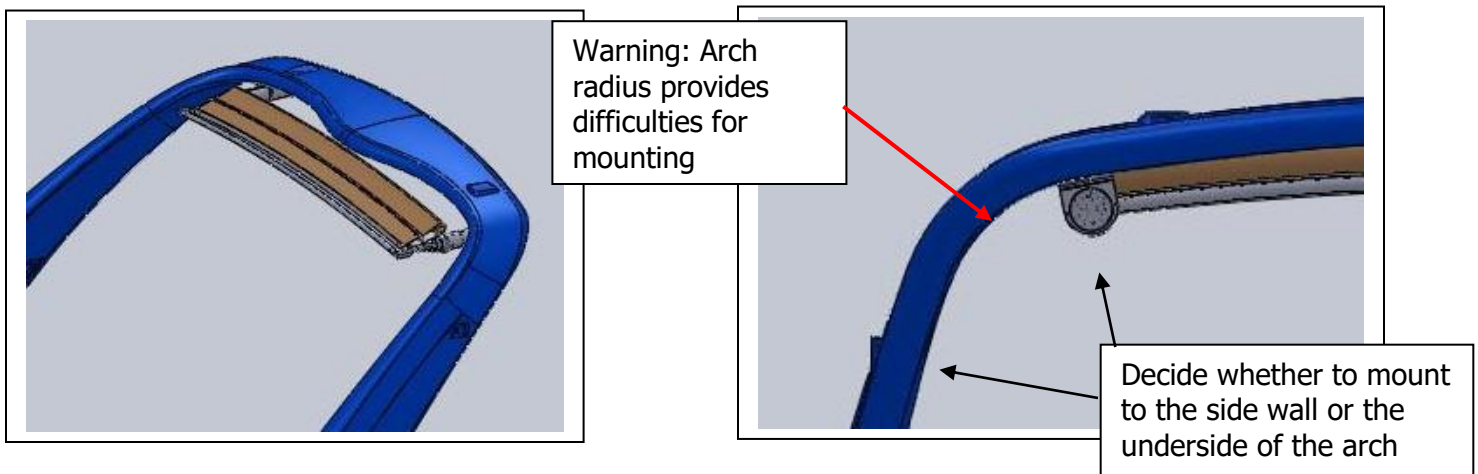# SureShade RTX Measuring Instructions for Fiberglass Radar Arch
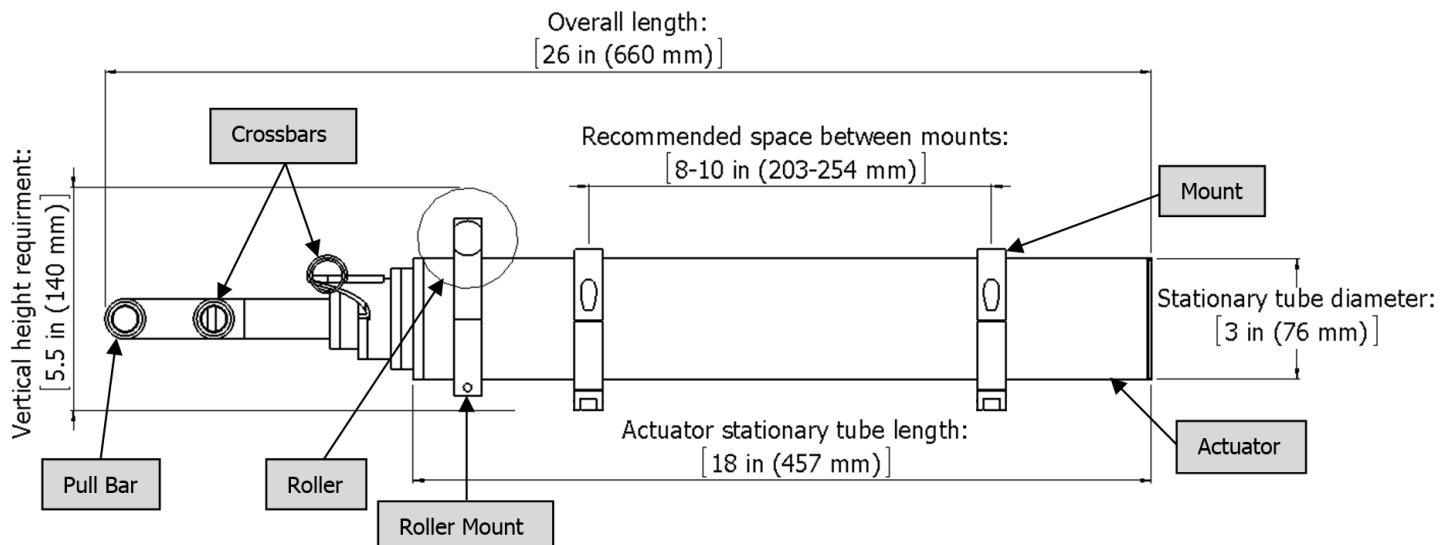
SUMMARY

- **STEP 1:** Determine mounting area based on RTX shade space requirements
- **STEP 2:** Determine shade width
- **STEP 3:** Determine if a camber (curvature) to the shade's cross-components (crossbars and roller) is needed
- **STEP 4:** Determine if mounting spacers are required

STEP 1: DETERMINE MOUNTING AREA based on RTX shade space requirements

Warning: Arch radius provides difficulties for mounting

Decide whether to mount to the side wall or the underside of the arch

Shade width and crossbar camber (if any) are customized to client specification.

Actuator (framework) dimensions are shown below.

Overall length: [26 in (660 mm)]

Crossbars

Recommended space between mounts: [8-10 in (203-254 mm)]

Vertical height requirment: [5.5 in (140 mm)]

Mount

Stationary tube diameter: [3 in (76 mm)]

Actuator stationary tube length: [18 in (457 mm)]

Pull Bar

Roller

Roller Mount
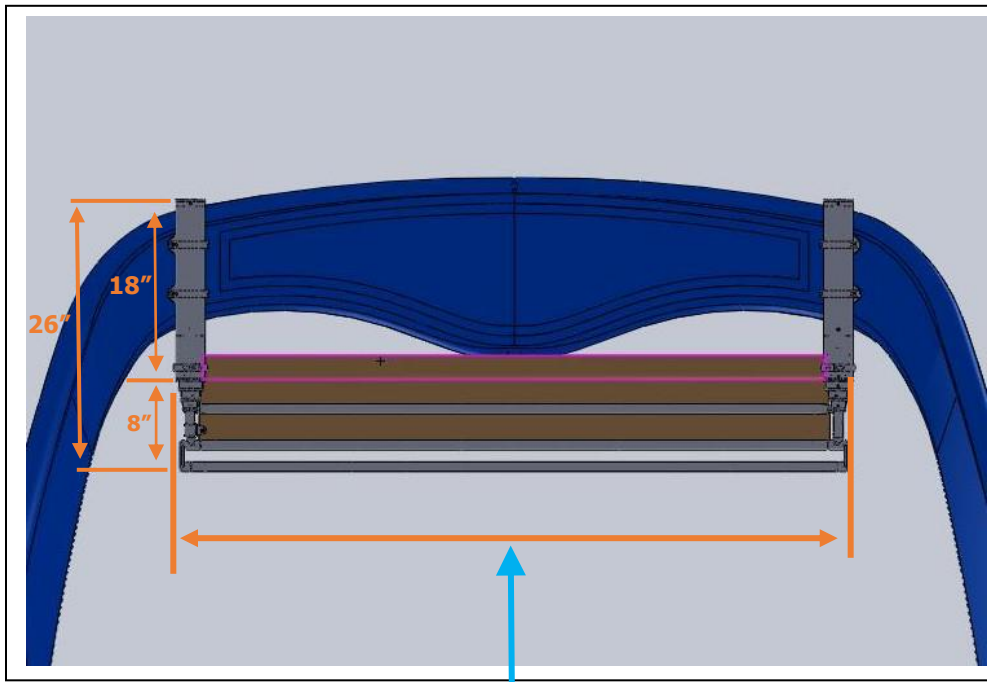
Actuator

Does your boat have rod holders?

The shade canvas roller may sit aft of the rod holders. Due to the compact framework of the RTX, for proper shade stability there must be no more than a 7" (178 mm) clearance between the shade roller and where the aft clamp will be placed.

If the rod holders require more than 7 in (178 mm), the RTX model is not possible for the boat at this time. Please contact a SureShade representative to discuss the MTF model shade, which has greater clearances to accommodate rod holders or similar obstructions.
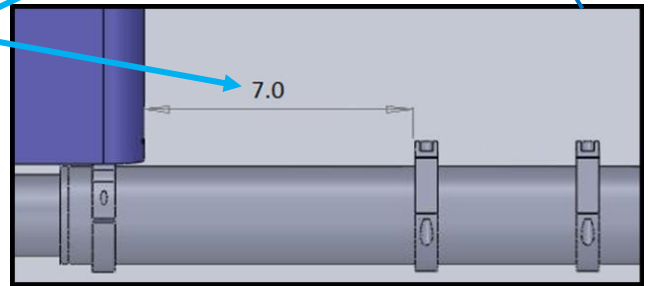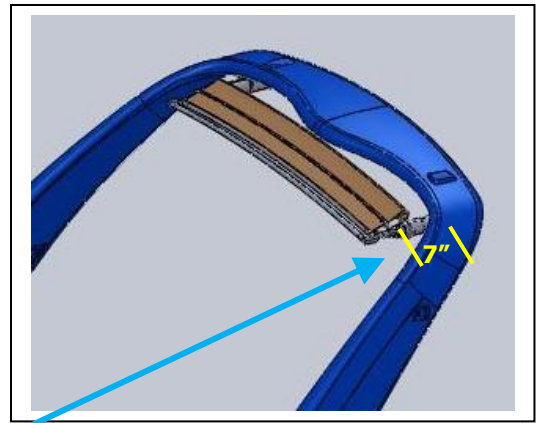
STEP 2: DETERMINE SHADE WIDTH. RTX framework (stationary actuator) and mounting clamps require **an obstruction-free area** shown below.
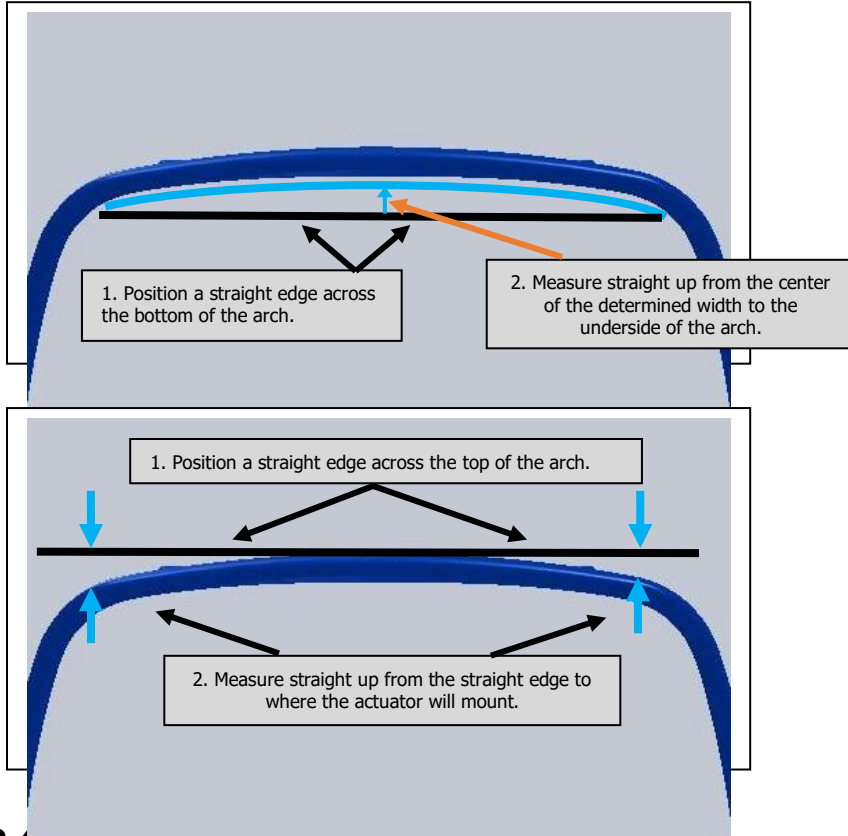

RTX shade width is specified by the **"outside to outside" tube dimension** – outside of PORT actuator to outside of STBD actuator. The maximum possible width for an RTX shade is 78" (1981 mm). **Framework must be parallel for proper operation.**
Once required space is determined for shade framework, measure and provide the OUTSIDE to OUTSIDE width dimension.

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STEP 3: DETERMINE CAMBER HEIGHT. The RTX shade's cross-components—the outer crossbar, mid crossbar, and canvas roller—can be cambered (curved) to conform to the curvature of the arch. Determine if the arch has curvature and if camber is desired.

1. Position a straight edge across the bottom of the arch.

2. Measure straight up from the center of the determined width to the underside of the arch.

For bottom mounted shades, once width is determined,
(1) Position a straight edge across the bottom of the arch.
(2) Measure straight up from the center of the determined width to underside of the arch.
(3) Provide the camber height dimension in inches or mm.

1. Position a straight edge across the top of the arch.

2. Measure straight up from the straight edge to where the actuator will mount.

For top mounted shades, once width is determined,
(1) Position a straight edge across the topside of the arch.
(2) Measure from the straight edge to where the actuator will mount.
(3) Provide the camber height dimension in inches or mm.

STEP 4: DETERMINE SPACER LENGTH.
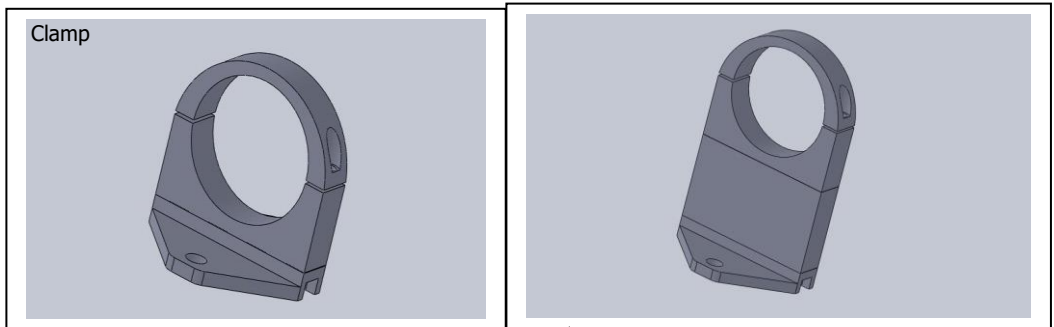
Clamp

Pictured is the standard clamp used to mount the shade to the arch. Spacers are used to allow the shade to clear any obstructions like rod holders. SureShade can supply a spacer that sits between the mounting clamps in ½" (12.7 mm) increments up to 3" (76.2 mm). The shade framework is 5.5" (140 mm) tall. Measure the height of any overhang (lip) or obstruction in the path of the framework. Round the measurement up to the nearest ½" (12.7 mm) to determine the height of the spacer required.

PLEASE SUBMIT YOUR MEASUREMENTS ONLINE https://www.sureshade.com/measure/
If you prefer - please email the completed sheet to sales@sureshade.com
or directly to your sales representative.

RTX Fiberglass Radar Arch Shade Specifications	
Customer Name	
Email Address & Phone Number	
Commercial Ship to Address	
Preferred Payment Method (Check, Wire Transfer, Paypal (3% Surcharge))	
Boat Year/Make/Model	
Quantity	
Placement (Top or Bottom mount)	
Mounting Component	Standard
Extension Length	4.5FT
Canvas Color	
Outside-to-Outside Tube Width (inches or mm)	
Measured Camber Height (inches or mm)	
Measured Spacer Height (½ inch [12.7 mm] increment)	

If you have any questions please call 877-333-8323 or 215-673-2307

DISCLAIMER: All shades are made to custom specifications. Ensure all measurements are accurate before sending them to your customer service representative. Any errors made by the customer are the customer's responsibility.