Shade Sail Hardware & Spacing Guide

Install a taut, wind-resistant canopy without center poles.

Enjoy a beautiful outdoor oasis with a clear deck surface. Use this guide to map your mounts and select the right hardware for a drum-tight shade.



Key Spacing Measurements

10%
Subtract from sail's total length

8 in
Tension gap left on turnbuckles

24+ in
Height drop for low corners

12+ in
Distance outside main seating zones

8 mm
Stainless steel turnbuckle size

The curved tension edge

This concave design directs outward pulling force toward the center, ensuring the middle stays drum-tight without sagging over your patio.

Anchor Post Selection

Find your row: **Your post material**

Your post material	Your pick	Why
4x4 standard wood	Light string lights only	Low resistance to pull
6x6 structural post	Primary shade sail anchors	High resistance to pull
3-inch steel pipe	Commercial or oversized sails	Maximum resistance to pull

Site & Material Checks

- ○ Measure diagonally point-to-point to confirm the mounting footprint is perfectly square.
- ○ Ensure your fabric is a wind-permeable knit to let air escape.
- ○ Check local building codes for required frost line depth for concrete footings.
- ○ Verify load ratings for marine-grade pad eyes and D-shackles with manufacturers.

Mapping & Installation Steps

1. **Mark primary anchor** Mark your first point on the house fascia or main structural support.
2. **Measure the perimeter** Measure the exact distance to the next planned wooden post location.
3. **Set posts deep** Secure pressure-treated wood with concrete below the frost line for unbending support.
4. **Create a twist** Mount corners at different heights to achieve a stable alternating high-low design.
5. **Connect the hardware** Use marine-grade components, leaving mechanical room to crank tighter later in the season.

Project Notes & Measurements

Enjoy your beautifully shaded, breeze-filled outdoor living space all season long!