

Self-Contained Sheaves

Self-contained sheaves are designed for sailors to use in custom applications.

The Micro, Bullet and Big Bullet sheaves are Delrin® with Delrin® ball bearings. They are scored for rope. 16 mm AirBlock® sheaves are Delrin® and feature stainless ball bearings that ride in a grooved race. Midrange sheaves come in either Delrin®, or aluminum for wire.

Wire sheaves ride on high-load composite bearings. They are Hardkote-anodized aluminum with Teflon® impregnation.

Ball bearings in the 1½ in (38 mm) and 2 in (51 mm) sheaves minimize friction. The 1 in (25 mm) wire sheave uses low-friction washers for this purpose.

Two 160 sheaves make up the 161 dual sheave universal lead. Use this sheave to divert a line that must turn in either direction.

Use Cruising ESP sheaves to handle high static loads from halyards and reef lines. Sheaves are carbon-black Delrin® for UV protection, and they turn on stainless steel spacers. Contained sideload ball bearings allow sheaves to spin freely when loads are released. Sheaves require a sideplate for the sideload balls to roll on.

Use for:
Custom applications



Plastic sleeve bearing for high static loads

6064

Ball bearings handle low loads and side loads from unfair leads



6062

6063



161

265



415

277

160

1533
1534

303

307

311

Star, Andy Horton/Brad Nichol — Heidi Harken Photo

| Part No. | Description | Sheave Ø | | Width | | Weight | | Line | | Max Ø Wire | | Center Pin Ø | | Safe working load | |
|----------|-------------------------|----------|----|-------|----|--------|-----|------|----|------------|----|--------------|-------|-------------------|------|
| | | in | mm | in | mm | oz | g | in | mm | in | mm | in | mm | lb | kg |
| 160 | Bullet | 1 1/8 | 29 | 1/2 | 12 | .25 | 7 | 5/16 | 8 | — | — | 1/4 | 6.27 | 300 | 136 |
| 161 | Dual sheave | 1 1/8 | 29 | 7/8 | 22 | 1 | 28 | 5/16 | 8 | — | — | 1/4 | 6.27 | 300 | 136 |
| 265 | Big Bullet | 1 1/2 | 38 | 9/16 | 14 | .5 | 14 | 3/8 | 10 | — | — | 1/4 | 6.27 | 300 | 136 |
| 277 | Micro | 7/8 | 22 | 13/32 | 10 | .1 | 3 | 1/4 | 6 | — | — | 3/16 | 4.75 | 200 | 91 |
| 303 | Wire | 1 | 25 | 9/32 | 7 | .25 | 7 | 5/32 | 4 | 3/32 | 2 | 3/16 | 4.75 | 1000 | 454 |
| 307 | Wire | 1 1/2 | 38 | 13/32 | 10 | 1 | 28 | 3/16 | 5 | 1/8 | 3 | 1/4 | 6.27 | 1500 | 680 |
| 311 | Wire | 2 | 51 | 13/32 | 10 | 1.5 | 43 | 1/4 | 6 | 3/16 | 5 | 5/16 | 8.10 | 2000 | 907 |
| 415 | 16 mm | 5/8 | 16 | 5/16 | 8 | .13 | 4 | 3/16 | 5 | — | — | 3/16 | 4.75 | 250 | 113 |
| 1533 | Small Midrange | 2 | 51 | 7/8 | 22 | 1.5 | 43 | 5/8 | 16 | — | — | 1/4 | 6.27 | 500 | 227 |
| 1534 | Small Midrange/aluminum | 2 | 51 | 7/8 | 22 | 2.5 | 71 | 5/8 | 16 | 3/16 | 5 | 1/4 | 6.27 | 500 | 227 |
| 6062 | Cruising ESP | 1 3/16 | 40 | 11/16 | 17 | .8 | 23 | 1/2 | 12 | — | — | 5/16 | 8.10 | 1250 | 567 |
| 6063 | Cruising ESP | 2 1/4 | 57 | 13/16 | 21 | 1.6 | 46 | 5/8 | 16 | — | — | 3/8 | 10.00 | 2500 | 1134 |
| 6064 | Cruising ESP | 2 15/16 | 75 | 7/8 | 22 | 4.4 | 126 | 3/4 | 19 | — | — | 3/8 | 10.00 | 3500 | 1588 |