

# Turbo-RC

Turbo-RC has the firmness and low stretch of wire, yet only 1/6th the weight.



## Description

The durable "turbo" braided jacket is very cut and abrasion resistant and protects the 12-strand single braid strength-member core. Turbo-RC spools on winches easily, does not rust or "fish hook" like wire rope, and it floats. Turbo-RC is specially designed for improved service life in applications where creep results from long-term static loads. Both cover and core are coated with a Samthane coating.

**Product Code:**  
861

**Fiber (Core/Cover):**  
Dyneema® / Dyneema®

**Specific Gravity:**  
0.98 (Floats)

**Splice:**  
Product Specific Class II

**Manufacturer:**  
Samson Rope Technologies, Inc.

## Features

- Abrasion resistant
- Drum compression resistant
- Durable
- Easy to handle
- Excellent cut resistance
- Excellent single-drum spooling capabilities
- Excellent wear characteristics
- Firm construction
- Flexible
- Floats
- Retains shape with use
- Samthane coated

## Applications

- Face and Wing Wire
- Gilson Wire Rope Replacement
- Primary Mooring Line / Jacketed
- Synthetic Extension Pendant
- Trawl or Bridle Line
- Tug Mainline
- Tug Pendant
- Winch Line / Offshore
- Winch Line / Tug
- Winch Line / Utility

# Turbo-RC

## Specifications

MATERIALS | TURBO-RC

MATERIALS

| Diameter (in) | Circum. (in) | Weight per 100 ft. (lbs) | Average Strength (lbs) | Minimum Strength (lbs) | Diameter (mm) | Circum. (mm) | Weight per 100M | Average Strength (kg) | Minimum Strength (kg) | ISO 2307 Strength (mt) |
|---------------|--------------|--------------------------|------------------------|------------------------|---------------|--------------|-----------------|-----------------------|-----------------------|------------------------|
| 3/4           | 2-1/4        | 14.0                     | 59,000                 | 53,100                 | 18            | 54           | 20.8            | 26,800                | 24,100                | 26.8                   |
| 7/8           | 2-3/4        | 19.9                     | 82,000                 | 73,800                 | 22            | 66           | 29.6            | 37,200                | 33,500                | 37.2                   |
| 1             | 3            | 25.5                     | 97,000                 | 87,300                 | 24            | 72           | 37.9            | 44,000                | 39,600                | 44.0                   |
| 1-1/16        | 3-1/4        | 28.4                     | 113,000                | 102,000                | 26            | 78           | 42.3            | 51,300                | 46,100                | 51.3                   |
| 1-1/8         | 3-1/2        | 32.1                     | 125,000                | 113,000                | 28            | 84           | 47.8            | 56,700                | 51,000                | 56.7                   |
| 1-1/4         | 3-3/4        | 40.0                     | 150,000                | 135,000                | 30            | 90           | 59.5            | 68,000                | 61,200                | 68.0                   |
| 1-5/16        | 4            | 43.3                     | 165,000                | 149,000                | 32            | 96           | 64.4            | 74,800                | 67,400                | 74.8                   |
| 1-3/8         | 4-1/8        | 49.5                     | 185,000                | 167,000                | 34            | 100          | 73.7            | 83,900                | 75,500                | 83.9                   |
| 1-1/2         | 4-1/2        | 59.5                     | 210,000                | 189,000                | 36            | 108          | 88.5            | 95,300                | 85,700                | 95.3                   |
| 1-5/8         | 5            | 67.0                     | 250,000                | 225,000                | 40            | 120          | 99.7            | 113,000               | 102,000               | 113                    |
| 1-11/16       | 5-1/4        | 73.3                     | 280,000                | 252,000                | 42            | 126          | 109             | 127,000               | 114,000               | 127                    |
| 1-3/4         | 5-1/2        | 85.5                     | 305,000                | 275,000                | 44            | 132          | 127             | 138,000               | 125,000               | 138                    |
| 1-7/8         | 5-5/8        | 89.7                     | 326,000                | 293,000                | 46            | 136          | 133             | 148,000               | 133,000               | 148                    |
| 2             | 6            | 99.0                     | 365,000                | 329,000                | 48            | 144          | 147             | 166,000               | 149,000               | 166                    |
| 2-1/8         | 6-1/2        | 110                      | 390,000                | 351,000                | 52            | 156          | 164             | 177,000               | 159,000               | 177                    |
| 2-1/4         | 7            | 126                      | 450,000                | 405,000                | 56            | 168          | 187             | 204,000               | 184,000               | 204                    |
| 2-1/2         | 7-1/2        | 156                      | 571,000                | 514,000                | 60            | 180          | 232             | 259,000               | 233,000               | 259                    |
| 2-5/8         | 8            | 166                      | 600,000                | 540,000                | 64            | 192          | 247             | 272,000               | 245,000               | 272                    |
| 2-3/4         | 8-1/2        | 185                      | 635,000                | 572,000                | 68            | 204          | 275             | 288,000               | 259,000               | 288                    |
| 2-7/8         | 8-5/8        | 197                      | 680,000                | 612,000                | 70            | 208          | 293             | 308,000               | 278,000               | 308                    |
| 3             | 9            | 216                      | 750,000                | 675,000                | 72            | 216          | 321             | 340,000               | 306,000               | 340                    |
| 3-1/4         | 10           | 207                      | 865,000                | 779,000                | 80            | 240          | 308             | 392,000               | 353,000               | 392                    |
| 3-3/8         | 10-1/8       | 233                      | 950,000                | 855,000                | 82            | 246          | 347             | 431,000               | 388,000               | 431                    |
| 3-1/2         | 10-1/2       | 251                      | 1,025,000              | 923,000                | 86            | 254          | 373             | 465,000               | 418,000               | 465                    |
| 3-5/8         | 11           | 279                      | 1,102,000              | 992,000                | 88            | 264          | 415             | 500,000               | 450,000               | 500                    |
| 4             | 12           | 304                      | 1,225,000              | 1,103,000              | 96            | 288          | 452             | 556,000               | 500,000               | 556                    |
| 4-1/4         | 13           | 381                      | 1,400,000              | 1,260,000              | 104           | 312          | 567             | 635,000               | 572,000               | 635                    |
| 4-5/16        | 13-1/8       | 396                      | 1,450,000              | 1,305,000              | 106           | 316          | 589             | 658,000               | 592,000               | 658                    |
| 4-1/2         | 13-1/2       | 423                      | 1,550,000              | 1,395,000              | 110           | 328          | 629             | 703,000               | 633,000               | 703                    |
| 4-5/8         | 14           | 452                      | 1,645,000              | 1,481,000              | 112           | 336          | 673             | 746,000               | 672,000               | 746                    |
| 4-11/16       | 14-1/8       | 455                      | 1,653,000              | 1,488,000              | 114           | 340          | 677             | 750,000               | 675,000               | 750                    |
| 5             | 15           | 530                      | 1,944,000              | 1,750,000              | 120           | 360          | 789             | 882,000               | 794,000               | 882                    |
| 5-1/4         | 16           | 565                      | 2,030,000              | 1,827,000              | 128           | 384          | 841             | 921,000               | 829,000               | 921                    |
| 5-1/2         | 16-1/2       | 599                      | 2,180,000              | 1,962,000              | 134           | 400          | 891             | 989,000               | 890,000               | 989                    |

\* ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.

