



G&B ROPES

DATA SHEET

AR99 – Filament Coated Performance Single Braid

AR99 is G&B Ropes' highest-strength lightweight performance line, engineered for applications where maximum strength, reduced diameter, and minimal elongation are critical. Manufactured using advanced filament-coated Dyneema® SK99 fibers, AR99 delivers up to 20% higher strength than AR78, allowing for smaller line diameters without sacrificing load capacity.

Key Features

- Filament coated to last longer
- 20% Stronger than AR78
- Ultra-high strength-to-weight ratio
- Reduced diameter for weight savings
- Very low elongation for precise control
- Outstanding abrasion resistance
- Excellent UV and environmental resistance
- Zero water absorption
- Fully spliceable



Construction

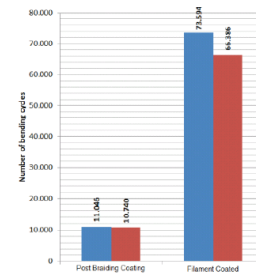
- Material: Filament Coated Dyneema® SK99(6x Better)
- Braid Type: 12-strand high-performance single braid
- Cover: None

Typical Applications

- High-load purchase systems
- Running rigging for performance sailing
- High-load control systems
- Industrial load-bearing applications

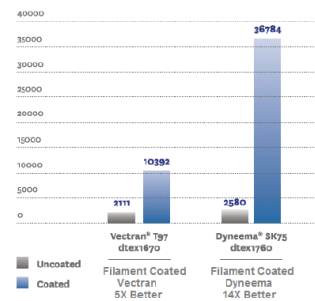
Diameter (mm)	Weight (lbs/100 ft)	Breaking Load (lbs)
1.5	0.11	795
1.8	0.16	1,180
2.3	0.25	1,790
3	0.36	2,595
4	0.66	5,390
5	0.86	6,160
6	1.19	9,130
7	1.88	14,036
8	2.21	16,572
9.5	2.66	21,224

Testing Data for Filament Coated Line



Bend Fatigue Test: Bend cycles of the filament coated line vs. the post-braiding coated line was over **6X better**.

YARN-ON-YARN ABRASION



Yarn-on-Yarn abrasion Test: Filament coated Dyneema was **14x better** than uncoated and **5x better** with Vectran.

