


















# RIGGING ROPE CHART

PG #	RIGGING ROPE	MANUFACTURER LABELED DIAMETER	MANUFACTURER	WEIGHT PER 100 FT.	TENSILE STRENGTH	MATERIAL	CONSTRUCTION	KNOTABILITY (10 = excellent)	SPLICEABLE by HAND OR GRIZZLY	ELASTIC ELONGATION @ 540 lbs.	ROUNDNESS UNDER LOAD (10 = round)	SURFACE TEXTURE (10 = smooth)	WAX CONTENT (10 = high)
18	 Stable Braid	1/2 in.	Samson	8.2	10,400	Polyester	Double Braid	8	Hand	1.26	10	10	0
18	 Stable Braid	9/16 in.	Samson	11	13,300	Polyester	Double Braid	8	Hand	1.26	10	10	0
18	 Stable Braid	5/8 in.	Samson	14	16,300	Polyester	Double Braid	8	Hand	1.26	10	10	0
18	 Stable Braid	3/4 in.	Samson	18	20,400	Polyester	Double Braid	8	Hand	1.26	10	10	0
18	 Super-Braid	1/2 in.	New England	9.3	9,900	Polyester	Double Braid	6	Grizzly	0.94	10	10	0
18	 Super-Braid	5/8 in.	New England	12.4	15,600	Polyester	Double Braid	6	N/A	0.94	10	10	0
18	 Super-Braid	3/4 in.	New England	17.5	19,600	Polyester	Double Braid	6	N/A	0.94	10	10	0
18	 Pro-Master	5/8 in.	Samson	9.6	8,500	Poly/Blend	3-strand	5	Hand	2.2	5	4	0
18	 Pro-Master	3/4 in.	Samson	13.9	10,900	Poly/Blend	3-strand	5	Hand	2.2	5	4	0
18	 Tree-Master	1/2 in.	Samson	8.5	7,000	Polyester	3-strand	5	Hand	3.15	5	4	6
18	 Bull Rigger	5/8 in.	Yale	11.9	9,800	Poly/Blend	Solid Braid	9	N/A	3.1	7	6	7
18	 Bull Rigger	3/4 in.	Yale	14.5	12,750	Poly/Blend	Solid Braid	9	N/A	3.1	7	6	7
18	 Black Widow	1/4 in.	Samson	1.6	7,400	Dyneema	Hollow Braid	6	Hand	.02	8	10	-
19	 Dynasorb	1/2 in.	Yale	7.6	10,500	Polyester/Nylon	Double Braid	9	Hand	.5	10	9	0
19	 Dynasorb	9/16 in.	Yale	9.7	15,000	Polyester/Nylon	Double Braid	9	Hand	.5	10	9	0
19	 Dynasorb	5/8 in.	Yale	13.3	18,000	Polyester/Nylon	Double Braid	9	Hand	.5	10	9	0
19	 Dynasorb	3/4 in.	Yale	16.8	23,000	Polyester/Nylon	Double Braid	9	Hand	.5	10	9	0

**MILKS** - milking is when a rope's mantle (outer cover) elongates over its core, most often when new and due to friction hitch use that forces strands into maximum alignment. Milking usually shows up as a bubble of material that can be drawn to one end and trimmed with scissors.

**MATERIAL** - see page 4 for descriptions of rope materials.

**KNOTABILITY** (10 being excellent) - Ropes for rigging and SRT generally are not "knot-friendly." Their stiff construction makes them more resistant to abrasion, but tougher to dress into a tight knot.

**SPLICEABLE** - If you like to climb with a split tail (see page 26) then we recommend hand splicing the climbing rope's end, except for those ropes that are not hand-spliceable. A Grizzly splice can get lodged in a tight crotch when retrieved from the ground.

**ELASTIC ELONGATION (SHERRILL TESTED)** - Manufacturers often perform this test by preloading their samples up to 1,000 pounds for 50 cycles, exhausting that new rope elasticity that climbers discover on the showroom floor. Following the ANSI standard we preloaded samples of every rope we sell 3 times to 200 lbs (still about 5-times reality) before giving it one last tug to 540 lbs from a relaxed state to

better determine what elasticity you'll discover when you take your line for a ride!

**ROUNDNESS UNDER LOAD** (10 being round) - It's a fact that 12-strand ropes square off under load while doublebraid stays round under high tension even when trailing through blocks and tackle.

**SURFACE TEXTURE** (10 being smooth) - This spec can be critical to prusik or friction hitch performance.

**WAX CONTENT** (10 being high) - Sand, grit and dirt particles are the enemy of ropes because such particles become trapped inside the fabric and, like rocks in your shoe, slowly work their irritating destruction. Wax liquid, among other proprietary formulas, are added during the manufacturing process to help protect inner fibers while offering lubrication that enhances tensile strength.

**CE** - Mandatory conformance mark for European products. Does not apply to splices.