

Data Courtesy Erin Rope Corp.

Specifications for 3-Strand Ropes

Size		Polypro		Nylon		Polyester		Twisted Combo		Manila	
Diameter in inches	Circumference in inches	Tensile Strength	Lbs. Per 100 ft.	Tensile Strength	Lbs. Per 100 ft.	Tensile Strength	Lbs. Per 100 ft.	Tensile Strength	Lbs. Per 100 ft.	Tensile Strength	Lbs. Per 100 ft.
3/16	5/8	750	.7	900	1.0	900	1.2	-	-	405	1.4
1/4	3/4	1,200	1.2	1,490	1.5	1,490	2.0	1,200	1.6	540	1.8
5/16	1	1,710	1.8	2,300	2.5	2,300	3.1	1,870	2.5	900	2.6
3/8	1-1/8	2,440	2.8	3,340	3.5	3,340	4.5	2,700	3.6	1,215	3.8
7/16	1-1/4	3,160	3.8	4,500	5.0	4,500	6.2	3,500	4.8	1,575	4.9
1/2	1-1/2	3,780	4.7	5,750	6.5	5,750	8.0	4,400	6.2	2,385	7.0
9/16	1-3/4	4,600	6.1	7,200	8.2	7,200	10.2	5,200	7.9	3,105	9.6
5/8	2	5,600	7.5	9,350	10.5	9,000	13.0	6,100	9.5	3,960	12.7
3/4	2-1/4	7,650	10.7	12,800	14.5	11,300	17.5	8,400	13.5	4,860	15.9
13/16	2-1/2	8,900	12.7	15,300	17.0	14,000	21.0	-	-	5,850	18.6
7/8	2-3/4	10,400	15.0	18,000	20.0	16,200	25.0	11,125	18.0	6,930	21.4
1	3	12,600	18.0	22,600	26.4	19,800	30.4	13,175	21.8	8,100	25.7
1-1/16	3-1/4	14,400	20.4	26,000	29.0	23,000	34.4	14,775	24.5	9,450	29.8
1-1/8	3-1/2	16,500	23.8	29,800	34.0	26,600	40.0	16,325	27.1	10,800	34.3
1-1/4	3-3/4	18,900	27.0	33,800	40.0	29,800	46.2	19,900	33.4	12,150	39.7
1-5/16	4	21,200	30.4	38,800	45.0	33,800	52.5	21,950	36.5	13,500	45.6
1-1/2	4-1/2	26,800	38.4	47,800	55.0	42,200	67.0	28,250	47.0	16,650	57.0
1-5/8	5	32,400	47.6	58,500	66.5	51,500	82.0	32,950	55.0	20,250	71.1
1-3/4	5-1/2	38,800	59.0	70,000	83.0	61,000	98.0	36,850	62.0	23,850	85.0
2	6	46,800	69.0	83,000	95.0	72,000	118.0	48,050	81.0	27,900	102.0