

# Cabos Nylon / Polipropileno

NYLON & POLYPROPYLENE SPECIFICATION SHEET



	TRENZADOS	TORCIDOS	NYLON											POLIPROPILENO							
			DIÁMETRO / DIAMETER			MENA	LONGITUD			DENSIDAD LINEAL/Linear		RESISTENCIA/Strength		CARGA de TRABAJO		DENSIDAD LINEAL/Linear		RESISTENCIA / Strength		CARGA de TRABAJO	
			pulg	pulg/inch	mm	circunferencia / circumference	ESTÁNDAR	rollo / length	st/coil	kg/m	lb/100 pies/feet	kgf	lb	kgf	lb	kgf	lb	kgf	lb	kgf	lb
			1/4	0.250	6.35	3/4	366	1200	200	0.023	1.57	674	1,485	56	135	0.017	1.15	510	1,125	43	102
			5/16	0.313	7.94	1	"	"	"	0.037	2.45	1,041	2,295	87	208	0.027	1.80	776	1,710	65	155
			3/8	0.375	9.53	1 1/8	"	"	"	0.053	3.55	1,470	3,240	122	294	0.039	2.60	1,102	2,430	92	220
			7/16	0.438	11.11	1 1/4	"	"	"	0.071	4.80	1,960	4,320	163	392	0.052	3.50	1,429	3,150	119	286
			1/2	0.500	12.70	1 1/2	"	"	"	0.094	6.30	2,572	5,670	215	514	0.068	4.60	1,715	3,780	143	343
			9/16	0.563	14.29	1 3/4	"	"	"	0.119	8.00	3,266	7,200	272	653	0.088	5.90	2,082	4,590	174	416
			5/8	0.625	15.88	2	"	"	"	0.147	9.90	4,041	8,910	337	808	0.107	7.20	2,531	5,580	211	506
			3/4	0.750	19.05	2 1/4	"	"	"	0.213	14.30	5,797	12,780	483	1,159	0.155	10.40	3,470	7,650	289	694
			7/8	0.875	22.23	2 3/4	"	"	"	0.290	19.50	7,838	17,280	653	1,568	0.211	14.20	4,695	10,350	391	939
			1	1.000	25.40	3	"	"	"	0.377	25.30	10,084	22,230	841	2,017	0.268	18.00	5,817	12,825	485	1,163
			1 1/8	0.125	3.18	3 1/2	"	"	"	0.479	32.20	12,819	28,260	1,068	2,564	0.339	22.80	7,258	16,000	605	1,452
			1 1/4	1.125	28.58	3 3/4	"	"	"	0.591	39.70	15,799	34,830	1,317	3,160	0.411	27.60	8,777	19,350	732	1,755
			1 5/16	1.313	33.34	4	"	"	"	0.650	43.70	17,350	38,250	1,446	3,470	0.452	30.40	9,594	21,150	800	1,919
			1 1/2	1.500	38.10	4 1/2	183	600	100	0.848	57.00	22,045	48,600	1,837	4,409	0.586	39.40	12,406	27,350	1,034	2,481
			1 5/8	1.625	41.28	5	"	"	"	1.002	67.30	26,025	57,375	2,169	5,205	0.685	46.00	14,493	31,950	1,208	2,899
			1 3/4	1.750	44.45	5 1/2	"	"	"	1.161	78.00	30,006	66,150	2,500	6,001	0.789	53.00	16,738	36,900	1,395	3,348
			2	2.000	50.80	6	"	"	"	1.488	100.00	38,375	84,600	3,198	7,675	1.027	69.00	21,228	46,800	1,769	4,246
			2 1/4	2.250	57.15	7	"	"	"	1.890	127.00	48,581	107,100	4,048	9,716	1.310	88.00	26,944	59,400	2,245	5,388
			2 1/2	2.500	63.50	7 1/2	"	"	"	2.336	157.00	59,603	131,400	4,967	11,921	1.592	107.00	32,659	72,000	2,722	6,532
			2 5/8	2.625	66.68	8	"	"	"	2.575	173.00	65,318	144,000	5,443	13,064	1.786	120.00	36,515	80,500	3,043	7,303
			2 3/4	2.750	69.85	8 1/2	"	"	"	3.095	208.00	77,566	171,000	6,464	15,513	2.098	141.00	42,865	94,500	3,572	8,573
			3	3.000	76.20	9	"	"	"	3.363	226.00	84,097	185,400	7,008	16,819	2.277	153.00	46,539	102,600	3,878	9,308
			3 1/4	3.250	82.55	10	"	"	"	4.093	275.00	101,652	224,100	8,471	20,330	2.768	186.00	55,112	121,500	4,593	11,022
			3 1/2	3.500	88.90	11	"	"	"	4.896	329.00	121,247	267,300	10,104	24,249	3.319	223.00	65,318	144,000	5,443	13,064
			4	4.000	101.60	12	"	"	"	5.953	400.00	146,966	324,000	12,247	29,393	4.048	272.00	77,974	171,900	6,498	15,595
			4 1/4	4.250	107.95	13	"	"	"	6.846	460.00	167,378	369,000	13,948	33,476	4.688	315.00	89,813	198,000	7,484	17,963
			4 1/2	4.500	114.30	14	"	"	"	7.813	525.00	189,832	418,500	15,819	37,966	5.357	360.00	101,244	223,200	8,437	20,249
			5	5.000	127.00	15	"	"	"	9.078	610.00	218,000	480,600	18,167	43,600	6.250	420.00	116,348	256,500	9,696	23,270
			5 5/16	5.313	134.94	16	"	"	"	10.194	685.00	241,678	532,800	20,140	48,336	7.054	474.00	130,229	287,100	10,852	26,046
			5 5/8	5.625	142.88	17	"	"	"	11.414	767.00	267,397	589,500	22,283	53,479	7.902	531.00	144,925	319,500	12,077	28,985
			6	6.000	152.40	18	"	"	"	12.947	870.00	299,648	660,600	24,971	59,930	8.974	603.00	162,480	358,200	13,540	32,496
			7	7.000	177.80	21	"	"	"	17.115	1,150.05	377,900	833,113	31,493	75,581	11,942	802.00	212,486	468,444	17,707	42,496
			8	8.000	203.20	24	100	330	55	21.890	1,470.90	457,132	1,007,787	38,097	91,428	15,339	1,030.00	269,635	594,434	22,470	53,923

**NOTAS**

1) La densidad lineal corresponde a la masa neta por unidad de longitud (kg/m ó lb/100pies). Las tolerancias varían dependiendo del diámetro: de 1/4" a 5/16" = 10%; de 3/8" a 9/16" = 8%; arriba de 5/8" = 5%.

2) La resistencia a la ruptura representa valores aproximados para cabos nuevos.

3) La carga de trabajo considera factores de seguridad que van de 5 a 12 veces, dependiendo del uso a que se someterá el cabo, de acuerdo con las normas del Instituto de la Cuerda (Cordage Institute).

**NOTES**

1) The linear density corresponds to the net mass for length unity (kg/m or Lb/100 feet). The tolerance handled, vary according to the measure: of: 1/4" -5/16" = 10%, Up to 5/8" = 5%

2) Breaking Strength represents approximately values for new ropes.

3) Working load recommended in the norm CI 1303-96 for nylon ropes. The security factor is from 9 to 12 times as per the usage of the rope.

Working load consider security factors that are from 5 to 12 times, according to the usage that the rope will have, as per the norm: PPRS-2 for polypropylene ropes.

Working load consider security factors that goes from 5 to 12 times, depending the usage that the rope will have, according to the norm: CI 304 for polyester ropes.

As per special requirements.

Norms of the Cordage Institute.