

Nylon Double Braid

Nylon Double Braid is the preferred choice for applications requiring high strength with excellent shock absorbing properties. Double Braid has good resistance to abrasion, sunlight and chemicals. Due to its high elongation, nylon is almost always used in applications involving shock loading such as anchor lines and mooring lines.

Nylon Double Braid is delivered standard with an overlay marine finish.



Nominal Diameter		Size (circ in.)	Approximate Weight		Minimum Tensile Strength	
Inch	MM		Lbs/100ft	Kg/100m	Lbs	kN
1/4	6	3/4	1.7	2.5	1,900	8.5
5/16	8	1	2.6	3.9	2,900	12.9
3/8	9	1-1/8	3.7	5.5	4,200	18.7
7/16	11	1-1/4	5.1	7.6	5,700	25.4
1/2	12	1-1/2	6.6	9.8	7,400	32.9
9/16	14	1-3/4	9.0	13.4	10,200	45.4

ABS and DNV Type Approved Sizes

5/8	16	2	11.6	17.2	14,800	65.8
3/4	18	2-1/4	14.7	21.9	19,000	84.5
7/8	22	2-3/4	21.8	32.4	28,300	125.9
1	24	3	26.0	38.7	33,500	149.0
1-1/16	26	3-1/4	31.0	46.1	39,000	173.5
1-1/8	28	3-1/2	35.4	52.7	44,900	199.7
1-1/4	30	3-3/4	40.7	60.6	52,300	232.6
1-5/16	32	4	46.3	68.9	58,800	261.6
1-1/2	36	4-1/2	58.4	86.9	74,000	329.2
1-5/8	40	5	72.3	107.6	92,400	411.0
1-3/4	44	5-1/2	87.7	130.5	110,900	493.3
2	48	6	103.9	154.6	131,500	584.9
2-1/8	52	6-1/2	122.0	181.6	152,800	679.7
2-1/4	56	7	141.2	210.1	181,000	805.1
2-1/2	60	7-1/2	162.6	242.0	201,000	894.1
2-5/8	64	8	185.1	275.5	222,000	987.5
2-3/4	68	8-1/2	201.2	299.4	248,000	1103.2
3	72	9	234.3	348.7	277,000	1232.2
3-1/4	80	10	288.9	430.0	341,000	1516.8
3-5/8	88	11	349.9	520.7	409,000	1819.3
4	96	12	416.2	619.4	475,000	2112.9
4-1/4	104	13	481.5	716.6	549,000	2442.1

Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Method standard preload (200d²) plus 4%. See reverse side for application and safety information.

Please note that the Minimum Tensile Strengths of Black Nylon Double Braid products are Nylon Double Braid does not apply to Black Nylon Double Braid.

Technical Information

Specific gravity	1.14*
Melting point	414°F (212°C)
Critical temp.	300°F (149°C)
Coefficient of friction	0.12-0.15*
Elongation at break	30%-35%
Fibre water absorption	3-4%
UV resistance	good
Wet abrasion	excellent
Dry abrasion	excellent

* value based on data supplied by the fibre manufacturer for new, dry fibre

Nylon Double Braid Elongation (%)

