



# POLYESTER DOUBLE BRAID

DD REV 008  
12 SEP 06

Polyester Double Braid provides an excellent combination of high strength, low stretch excellent weathering and easy handling. Of all the popular fibers polyester has the best weathering characteristics and the best wet abrasion resistance.

Polyester Double Braid comes standard with an overlay marine finish and is available on special order with a spliceable polyurethane finish in clear or any of six colors.

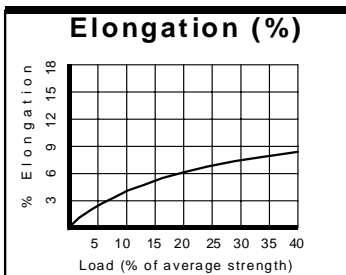
- Low stretch
- High strength
- Soft hand
- Torque free
- Excellent wet strength
- Meets MIL-DTL-24677B

Type Approved Product



Nominal Diameter		Size Number (circ)	Approximate Weight		Minimum Tensile Strength	
Inch	MM		Lbs/100ft	Kg/100m	Pounds	kN
1/4	6	3/4	2.4	3.6	2,400	10.7
5/16	8	1	3.6	5.4	3,600	16.0
3/8	9	1-1/8	4.8	7.1	4,800	21.4
7/16	11	1-1/4	6.3	9.4	6,300	28.0
1/2	12	1-1/2	8.6	12.8	8,400	37.4
9/16	14	1-3/4	11.1	16.5	10,750	47.8
<b>ABS AND DNV TYPE APPROVED SIZES</b>						
5/8	16	2	13.1	19.5	12,300	54.7
3/4	18	2-1/4	18.8	28	17,400	77.4
7/8	22	2-3/4	25.6	38.1	24,000	106.8
1	24	3	33.5	49.9	31,200	138.8
1-1/8	28	3-1/2	42.4	63.1	39,500	175.7
1-1/4	30	3-3/4	52.3	77.8	48,100	214.0
1-5/16	32	4	57.8	86	53,100	236.2
1-1/2	36	4-1/2	75.4	112.2	64,300	286.0
1-5/8	40	5	88.2	131.3	77,800	346.1
1-3/4	44	5-1/2	103	153.3	89,200	396.8
2	48	6	134	199.4	110,000	489.3
2-1/8	52	6-1/2	151	224.7	124,000	551.6
2-1/4	56	7	169	251.5	141,000	627.2
2-1/2	60	7-1/2	209	311	170,000	756.2
2-5/8	64	8	231	343.8	186,000	827.4
2-3/4	68	8-1/2	265	394.4	206,000	916.3
3	72	9	301	447.9	237,000	1054.2
3-1/4	80	10	354	526.8	292,000	1298.9
3-5/8	88	11	440	654.8	348,000	1548.0
4	96	12	536	797.7	401,000	1783.7
4-1/4	104	13	605	900.4	454,000	2019.5

Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Methods for Fiber Rope. Weights are calculated at linear density under standard preload (200d²) plus 5%. See reverse side for application and safety information.



Specific gravity	1.38*
Melting point	482° F (250° C)*
Critical temp	350° F (177° C)*
Coefficient of friction	0.12 - 0.15*
Elongation at break	15% - 20%
Fiber water absorption	0% - 1%
UV resistance	excellent
Wet abrasion	excellent
Dry abrasion	excellent

\* - value based on data supplied by the fiber manufacturer for new, dry fiber



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