

Superflex® Rope

Due to a technically reinforced composition of high tenacity Superdan and polyester yarns, Superflex has retained its superior strength. When combined with DSR's unique double construction cover yarns, this composition provides superior abrasion resistance comparing to conventional constructed ropes. This has been verified through frequent and repeated uses in mooring applications.



Superflex 3-Strand Rope

Dia.		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
9	3/8	1-1/8	4.80	3.23	19.35	1,600	15.70	
10	13/32	1-1/4	5.70	3.83	22.98	1,900	18.60	
12	15/32	1-1/2	8.80	5.91	35.48	2,900	28.50	
14	9/16	1-3/4	11.40	7.66	45.96	3,700	36.30	
16	5/8	2	14.80	9.95	59.67	4,760	46.70	
18	23/32	2-1/4	18.70	12.57	75.40	6,000	58.90	
20	13/16	2-1/2	22.90	15.39	92.33	7,250	71.10	
22	7/8	2-3/4	27.90	18.75	112.49	8,800	86.30	
24	15/16	3	33.10	22.24	133.45	10,400	102.00	
26	1-1/32	3-1/4	38.80	26.07	156.44	12,100	118.70	
28	1-1/8	3-1/2	45.10	30.31	181.84	13,900	136.40	
30	1-3/16	3-3/4	51.90	34.88	209.25	15,800	155.00	
32	1-1/4	4	58.70	39.44	236.67	17,700	173.60	
36	1-7/16	4-1/2	74.10	49.79	298.76	22,100	216.80	
40	1-19/32	5	89.00	59.81	358.83	26,300	258.00	
44	1-3/4	5-1/2	108.90	73.18	439.07	32,000	314.00	
48	1-7/8	6	128.90	86.62	519.70	37,500	368.00	
52	2-1/16	6-1/2	151.10	101.54	609.21	43,600	428.00	
56	2-1/4	7	175.60	118.00	707.99	50,200	493.00	
60	2-3/8	7-1/2	201.50	135.40	812.41	57,200	561.00	
64	2-1/2	8	229.10	153.95	923.69	64,300	631.00	
70	2-3/4	8-11/16	273.70	183.92	1,103.51	75,800	744.00	
72	2-7/8	9	289.70	194.67	1,168.02	79,000	775.00	
80	3-5/32	10	358.30	240.77	1,444.61	96,400	946.00	

Warning : The minimum breaking strength should never be considered as the safe working load of the rope

Superflex 8-Strand Rope

Dia.		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
24	15/16	3	33.5	22.5	135.1	12,500	122.6	
28	1-1/8	3-1/2	46.0	30.9	185.5	16,600	162.8	
32	1-1/4	4	59.5	40.0	239.9	21,300	208.9	
36	1-7/16	4-1/2	74.2	49.9	299.2	26,500	260.0	
40	1-9/16	5	91.5	61.5	368.9	32,000	313.9	
44	1-3/4	5-1/2	109.0	73.2	439.5	38,000	372.8	
45	1-25/32	5-5/8	114.0	76.6	459.6	40,000	392.4	
48	1-7/8	6	132.0	88.7	532.2	44,000	431.6	
50	2	6-1/4	143.0	96.1	576.6	48,000	470.9	
52	2-1/16	6-1/2	150.0	100.8	604.8	51,000	500.3	
55	2-5/32	6-7/8	172.5	115.9	695.5	57,000	559.2	
56	2-1/4	7	179.0	120.3	721.7	59,000	578.8	
60	2-3/8	7-1/2	200.5	134.7	808.4	67,000	657.2	
64	2-1/2	8	226.0	151.9	911.2	75,000	735.7	
65	2-9/16	8-1/16	233.0	156.6	939.4	77,000	755.3	
68	2-11/16	8-1/2	254.0	170.7	1,024.1	84,000	824.0	
70	2-3/4	8-11/16	269.0	180.8	1,084.6	89,000	873.1	
72	2-7/8	9	284.0	190.8	1,145.0	94,000	922.1	
75	3	9-1/4	308.0	207.0	1,241.8	102,000	1,000.6	
80	3-5/32	10	349.0	234.5	1,407.1	114,000	1,118.3	
85	3-3/8	10-1/2	394.0	264.8	1,588.5	129,000	1,265.5	
88	3-7/16	11	420.0	282.2	1,693.4	138,000	1,353.7	
90	3-9/16	11-1/8	439.5	295.3	1,772.0	144,000	1,412.6	
95	3-3/4	11-3/4	490.0	329.3	1,975.6	161,000	1,579.4	
96	3-13/16	12	500.0	336.0	2,015.9	163,000	1,599.0	
100	3-15/16	12-3/8	539.0	362.2	2,173.2	177,000	1,736.3	
104	4-1/8	13	586.0	393.8	2,362.7	192,000	1,883.5	
112	4-7/16	14	674.0	452.9	2,717.5	221,000	2,167.9	
120	4-3/4	15	774.0	520.1	3,120.6	253,000	2,481.9	

Manufactured and tested according to ISO and BSEN standard
Warning : The minimum breaking strength should never be considered as the safe working load of the rope

Superflex 12-Strand Rope

Dia.		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
36	1-7/16	4-1/2	74.2	49.9	299.2	27,800	272.7	
40	1-9/16	5	91.5	61.5	368.9	33,600	329.6	
44	1-3/4	5-1/2	109.0	73.2	439.5	40,000	392.4	
48	1-7/8	6	132.0	88.7	532.2	46,200	453.2	
52	2-1/16	6-1/2	150.0	100.8	604.8	53,600	525.8	
56	2-1/4	7	179.0	120.3	721.7	62,000	608.2	
60	2-3/8	7-1/2	200.5	134.7	808.4	70,500	691.6	
64	2-1/2	8	226.0	151.9	911.2	79,000	775.0	
68	2-11/16	8-1/2	254.0	170.7	1,024.1	88,500	868.2	
72	2-7/8	9	284.0	190.8	1,145.0	99,000	971.2	
80	3-5/32	10	349.0	234.5	1,407.1	120,000	1,177.2	
88	3-7/16	11	420.0	282.2	1,693.4	145,000	1,422.4	
96	3-13/16	12	500.0	336.0	2,015.9	172,000	1,687.3	
104	4-1/8	13	586.0	393.8	2,362.7	202,000	1,981.6	
112	4-7/16	14	674.0	452.9	2,717.5	233,000	2,285.7	
120	4-3/4	15	774.0	520.1	3,120.6	266,000	2,609.4	

Manufactured and tested according to ISO and BSEN standard
Warning : The minimum breaking strength should never be considered as the safe working load of the rope

Load-Abrasion Test

