

FIBER ROPE & MANILA ROPE

D|S|R

SuperMax[®] Rope



SuperMax[®] is ultra high molecular weight polyethylene (UHMWPE) fiber braided rope utilizing DSR's own rope design and manufacturing know-how's. SuperMax[®] has the strongest tensile strength per weight. SuperMax[®] is stronger than the wire rope of same diameter, and it weighs 1/8 of wire rope. SuperMax[®] is treated with DSR's unique coating process and special heat treatment process to enhance its anti-abrasion characteristics.



SuperMax[®] 12-S/T Rope

Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Ton	kN	
6	1/4	3/4	2.3	1.55	9.30	4.2	41.2	
8	5/6	1	3.9	2.62	15.72	6.7	65.7	
10	13/32	1-1/8	5.9	3.96	23.76	10.8	105.9	
12	15/32	1-1/2	9.5	6.38	38.28	16.5	161.9	
14	9/16	1-3/4	12.8	8.60	51.60	22.0	215.8	
16	5/8	2	16.0	10.75	64.50	27.5	269.8	
18	23/32	2-1/4	20.8	13.98	83.88	35.0	343.3	
20	13/16	2-1/2	25.5	17.14	102.84	41.5	407.1	
22	7/8	2-3/4	30.5	20.50	123.00	50.0	490.5	
24	15/16	3	35.8	24.06	144.36	58.0	569.0	
26	1-1/32	3-1/4	41.0	27.55	165.30	66.0	647.4	
28	1-1/8	3-1/2	46.5	31.25	187.50	74.0	725.9	
30	1-3/16	3-3/4	52.0	34.94	209.64	81.5	799.5	
32	1-1/4	4	57.0	39.30	235.80	88.5	868.2	
34	1-11/32	4-1/4	62.5	42.00	252.00	96.0	941.7	
36	1-7/16	4-1/2	68.0	45.69	274.14	104.0	1020.2	
38	1-1/2	4-3/4	74.0	49.73	298.38	112.0	1098.7	
40	1-19/32	5	84.0	56.45	338.70	127.0	1245.8	
42	1-21/32	5-1/4	93.0	62.49	374.94	140.0	1373.4	
44	1-3/4	5-1/2	102.0	68.54	411.24	152.0	1491.1	
46	1-13/16	5-5/8	111.0	74.59	447.54	165.0	1618.6	
48	1-7/8	6	121.0	81.31	487.86	179.0	1755.9	
50	2	6-1/4	131.0	88.03	528.18	193.0	1893.3	
52	2-1/16	6-1/2	141.0	94.75	568.50	206.0	2020.8	
56	2-1/4	7	163.0	109.53	657.18	236.0	2315.1	
60	2-3/8	7-1/2	175.0	117.59	705.54	252.0	2472.0	
64	2-1/2	8	200.0	134.39	806.34	282.0	2766.3	
68	2-11/16	8-1/2	226.0	151.86	911.16	316.0	3099.9	
72	2-7/8	9	254.0	170.68	1024.08	348.0	3413.8	
80	3-5/32	10	313.0	210.32	1261.92	422.0	4139.7	
88	3-7/16	11	379.0	254.74	1528.44	503.0	4934.3	
96	3-13/16	12	451.0	303.05	1818.30	588.0	5768.1	

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

- Melting Point : 150°C
- Specific Gravity : 0.97(Float)
- Elongation at break : 4 – 5%
- Water Absorption : None
- UV resistance : Good

Characteristics

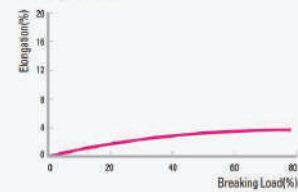
- Maximum strength to weight ratio, and strength comparable to steel wire rope
- Lowest elongation
- Longer life, and easy handling
- Superior abrasion resistance
- Non-kinking, and non-rotational
- Easy to splice

Applications

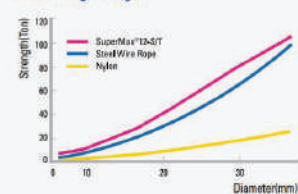
- Mooring Lines
- Anchor Lines
- Lifting Sling & Nets
- Towing Rope
- Heaving Rope
- Tug Rope

Maximum strength to weight ratio, and strength comparable to steel wire rope

■ Elongation Table



■ Breaking Strength



SuperMax® Plus Rope

SuperMax® Plus Rope consists of SuperMax® (UHMWPE) braided rope core inside and Polyester fiber braided jacket. This combination offers the property of non-rotating and anti-kinking while maintaining higher strength than normal 12 S/T braided rope. Braided jacket providing superior abrasion resistance makes the rope round shape and protects the core from foreign matter.

SuperMax® Plus Rope 12-S/T

Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Ton	kN	
26	1-1/32	3-1/4	43.50	29.23	175.4	54.0	530.3	
28	1-1/8	3-1/2	50.00	33.60	201.6	63.0	618.6	
30	1-3/16	3-3/4	54.20	36.42	218.5	68.0	667.7	
32	1-1/4	4	64.00	43.01	258.0	74.0	726.6	
34	1-11/32	4-1/4	71.80	48.25	289.5	84.0	824.8	
36	1-7/16	4-1/2	78.90	53.02	318.1	93.0	913.2	
38	1-1/2	4-3/4	86.10	57.86	347.1	102.0	1,002	
40	1-19/32	5	94.80	63.70	382.2	114.0	1,119	
42	1-21/32	5-1/4	104.6	70.29	421.7	127.0	1,247	
44	1-3/4	5-1/2	111.0	74.60	447.5	135.0	1,326	
48	1-7/8	6	137.0	92.06	552.3	165.0	1,620	
52	2-1/16	6-1/2	160.0	107.5	645.1	195.0	1,915	
56	2-1/4	7	183.0	123.0	737.8	230.0	2,258	
60	2-3/8	7-1/2	205.0	137.8	826.5	263.0	2,583	
64	2-1/2	8	236.0	158.6	951.5	308.0	3,024	
68	2-11/16	8-1/2	264.0	177.4	1,064	345.0	3,388	
72	2-7/8	9	295.0	198.2	1,189	390.0	3,731	
76	3	9-3/8	331.0	222.4	1,335	429.0	4,213	
80	3-5/32	10	359.0	241.2	1,447	458.0	4,497	
88	3-7/16	11	421.0	282.9	1,697	540.0	5,303	
96	3-13/16	12	511.0	343.4	2,060	626.0	6,147	
104	4-1/8	13	568.0	401.8	2,411	745.0	7,316	
112	4-7/16	14	694.0	466.3	2,798	833.0	8,180	
120	4-3/4	15	786.0	528.2	3,169	955.0	9,378	

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

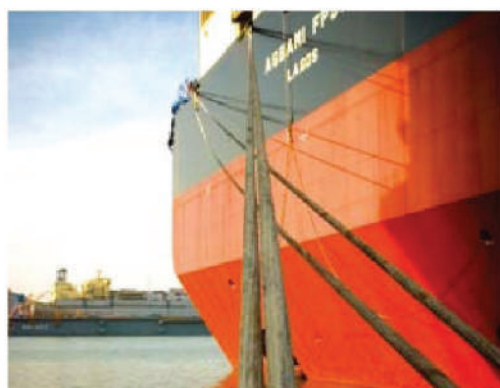
- Material : Inside - UHMWPE / Outside - Polyester fiber
- Melting Point : 150°C / 265°C
- Elongation at break : 4 – 5%
- Abrasion resistance : Very Good
- UV resistance : Good

Characteristics

- High Strength
- Lowest elongation
- Dry & Wet conditions : Wet strength equals dry strength
- Non-rotating and anti-kinking
- Longer life and easy handling

Applications

- Mooring Lines
- Anchor Lines
- Towing Rope
- Tug Rope



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	6.80	5.91	35.48	2,900	26.50	
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	8,600	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	358.63	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.

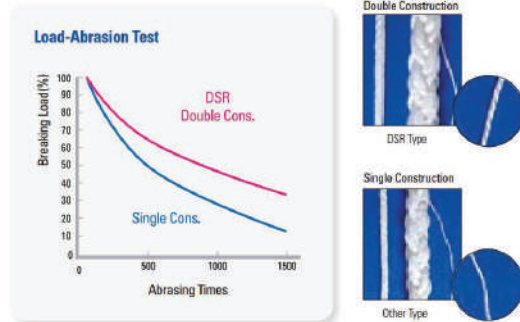
Warning: The minimum breaking strength should never be considered as the safe working load of the rope

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	27,900	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



New D-Flex[®] Rope

New D-Flex[®] rope retains superior breaking strength originated from technically reinforced composition of high tenacity polypropylene and polyester. This ideal composition and construction creates extremely low elongation which offers stability and safety when the rope is overloaded and makes the rope sustain its properties even after a long period under sea level.

New D-Flex[®] 8 S/T

Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
36	1-7/16	4-1/2	67.0	45.0	270.0	27,400	268.5	
40	1-9/16	5	82.0	54.4	326.4	32,700	320.4	
44	1-3/4	5-1/2	98.0	65.8	394.8	39,200	384.1	
45	1-25/32	5-5/8	102.0	68.5	411.0	41,100	402.7	
48	1-7/8	6	118.0	79.2	475.2	45,200	442.9	
50	2	6-1/4	128.0	86.0	516.0	49,400	484.1	
52	2-1/16	6-1/2	135.0	90.7	544.2	52,700	516.4	
55	2-5/32	6-7/8	154.0	103.4	620.4	58,600	574.2	
56	2-1/4	7	161.0	108.1	648.6	60,900	596.8	
60	2-3/8	7-1/2	180.0	120.9	725.4	69,300	679.1	
64	2-1/2	8	203.0	136.4	818.4	77,400	758.5	
65	2-9/16	8-1/16	209.0	140.4	842.4	79,300	777.1	
68	2-11/16	8-1/2	228.0	153.2	919.2	86,700	849.6	

Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
70	2-3/4	8-11/16	242.0	162.6	975.6	92,000	901.6	
72	2-7/8	9	255.0	171.3	1,027.8	97,000	950.6	
75	3	9-1/4	277.0	186.1	1,116.6	105,400	1,032.9	
80	3-6/32	10	314.0	210.9	1,265.4	117,900	1,154.4	
85	3-3/8	10-1/2	354.0	237.8	1,426.8	133,200	1,305.3	
88	3-7/16	11	378.0	254.0	1,524.0	142,800	1,399.4	
90	3-9/16	11-1/8	395.0	265.4	1,592.4	149,000	1,460.2	
95	3-3/4	11-3/4	441.0	296.3	1,777.8	168,500	1,631.7	
96	3-13/16	12	450.0	302.3	1,813.8	168,600	1,652.2	
100	3-15/16	12-3/8	485.0	325.9	1,955.4	183,100	1,794.3	
104	4-1/8	13	527.0	354.1	2,124.6	198,500	1,945.3	
112	4-7/16	14	606.0	407.2	2,443.2	228,400	2,238.3	
120	4-3/4	15	696.0	467.6	2,805.6	261,500	2,562.7	

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

Benefits & Features

- Conforming to OCIMF guidelines
- Well UV stabilized
- Excellent abrasion resistance
- Water absorption : 0 – 1%
- Floating on water
- Elongation at break : 18 – 20%

Applications

- Mooring
- Towing
- Anchor Lines



SuperTEC[®] Rope

Lighter! Stronger! Last longer!

DSR'S innovative technology enables us to offer a stronger and affordable rope. SuperTEC[®] is the stronger rope among PP, PE and Polyolefin ropes. For Same breaking strength, smaller size of SuperTEC[®] can replace regular PP rope. It shows higher abrasion resistance than general PP rope. And smaller size of SuperTEC[®] rope leads to saving working hours and labor cost. It is easy to handle because it floats and does not absorb water.

New SuperTec[®] 3-Strand Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
6	1/4	3/4	1.75	1.18	7.06	850	8.3
8	5/16	1	3.00	2.02	12.10	1,450	14.2
9	3/8	1-1/8	3.80	2.55	15.32	1,830	18.0
10	13/32	1-1/4	4.50	3.02	18.14	2,190	21.5
12	15/32	1-1/2	6.60	4.44	26.61	3,200	31.4
14	9/16	1-3/4	9.10	6.11	38.69	4,250	41.7
16	5/8	2	11.60	7.79	46.77	5,400	53.0
18	23/32	2-1/4	14.90	10.01	60.07	6,900	67.7
20	13/16	2-1/2	17.90	12.03	72.17	8,200	80.4
22	7/8	2-3/4	22.00	14.78	88.70	10,000	98.1
24	15/16	3	26.00	17.47	104.83	11,800	115.8
26	1-1/32	3-1/4	30.60	20.56	123.37	13,600	133.4
28	1-1/8	3-1/2	35.50	23.86	143.13	15,600	153.0
30	1-3/16	3-3/4	41.10	27.62	165.71	17,500	171.7
32	1-1/4	4	46.00	30.91	185.46	19,600	192.3
36	1-7/16	4-1/2	58.00	38.97	233.85	24,200	237.4
40	1-19/32	5	71.50	48.05	288.28	29,600	290.4
44	1-3/4	5-1/2	88.50	59.47	356.82	36,500	358.1
48	1-7/8	6	104.00	69.89	419.31	42,500	416.9
52	2-1/16	6-1/2	122.00	81.98	491.88	49,000	480.7
56	2-1/4	7	142.00	95.42	572.52	55,400	543.5
60	2-3/8	7-1/2	163.00	109.53	657.19	62,500	613.1
64	2-1/2	8	185.00	124.31	745.89	71,200	698.5
70	2-3/4	8-11/16	221.00	148.51	891.04	84,700	830.9
72	2-7/8	9	234.00	157.24	943.45	89,600	878.9
80	3-5/32	10	290.00	194.87	1,169.23	110,700	1,085.9
88	3-7/16	11	351.00	235.86	1,415.17	133,300	1,307.6
96	3-13/16	12	417.00	280.21	1,681.28	158,400	1,553.9
100	3-15/16	12-3/8	452.30	303.93	1,823.60	171,800	1,685.3

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

New SuperTec[®] 8-Strand Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3	28.8	19.4	116.1	13,400	131.4
28	1-1/8	3-1/2	39.4	26.5	158.9	17,800	174.6
32	1-1/4	4	51.1	34.3	206.0	22,700	222.7
36	1-7/16	4-1/2	64.1	43.1	258.4	28,300	277.6
40	1-9/16	5	79.1	53.2	318.9	34,900	342.4
44	1-3/4	5-1/2	97.7	65.7	393.9	41,700	408.1
45	1-25/32	5-5/8	102.0	68.5	411.2	43,500	426.7
48	1-7/8	6	114.5	76.9	461.6	48,900	479.7
50	2	6-1/4	124.5	83.7	502.0	52,200	512.1
52	2-1/16	6-1/2	134.0	90.0	540.3	56,500	554.2
55	2-5/32	6-7/8	150.5	101.1	606.8	62,600	614.1
56	2-1/4	7	156.0	104.8	629.0	64,900	636.6
60	2-3/8	7-1/2	179.0	120.3	721.7	74,400	728.8
64	2-1/2	8	203.6	136.8	820.9	83,900	823.0
65	2-9/16	8-1/16	210.0	141.1	846.7	86,500	848.5
68	2-11/16	8-1/2	230.0	154.6	927.3	95,400	935.8
70	2-3/4	8-11/16	243.5	163.6	981.8	101,100	991.8
72	2-7/8	9	258.0	173.4	1,040.2	105,500	1,034.9
75	3	9-1/4	279.5	187.8	1,126.9	114,500	1,123.2
80	3-5/32	10	319.0	214.4	1,286.2	129,900	1,274.3
85	3-3/8	10-1/2	360.5	242.2	1,453.5	146,100	1,433.2
88	3-7/16	11	386.0	259.4	1,556.3	156,900	1,539.1
90	3-9/16	11-1/8	403.5	271.1	1,626.8	164,000	1,608.8
95	3-3/4	11-3/4	449.5	302.1	1,812.3	180,100	1,786.7
96	3-13/16	12	459.0	308.4	1,850.6	184,000	1,805.0
100	3-15/16	12-3/8	498.0	334.6	2,007.9	199,700	1,959.0
104	4-1/8	13	536.0	360.2	2,161.1	216,000	2,118.9
112	4-7/16	14	623.0	418.6	2,511.8	250,500	2,457.3
120	4-3/4	15	718.0	482.5	2,894.9	287,600	2,821.3

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

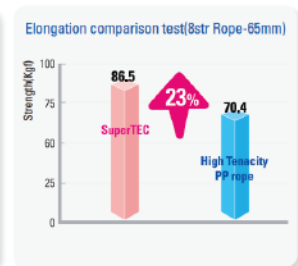
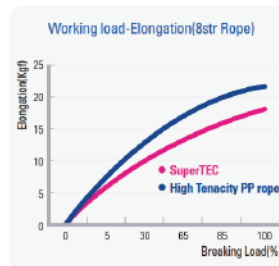
New SuperTec[®] 12-Strand Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
36	1-7/16	4-1/2	64.1	43.1	258.4	29,600	290.4
40	1-9/16	5	79.1	53.2	318.9	36,300	356.1
44	1-3/4	5-1/2	97.7	65.7	393.9	43,500	426.7
48	1-7/8	6	114.5	76.9	461.6	50,900	499.3
52	2-1/16	6-1/2	134.0	90.0	540.3	58,800	576.8
56	2-1/4	7	156.0	104.8	629.0	67,300	660.2
60	2-3/8	7-1/2	179.0	120.3	721.7	77,000	755.3
64	2-1/2	8	203.6	136.8	820.9	86,600	849.5
68	2-11/16	8-1/2	230.0	154.6	927.3	96,400	965.3
72	2-7/8	9	258.0	173.4	1,040.2	109,400	1,073.2
80	3-5/32	10	319.0	214.4	1,286.2	134,100	1,315.5
88	3-7/16	11	386.0	259.4	1,556.3	161,300	1,582.3
96	3-13/16	12	459.0	308.4	1,850.6	190,300	1,866.8
104	4-1/8	13	536.0	360.2	2,161.1	222,700	2,184.6
112	4-7/16	14	623.0	418.6	2,511.8	257,600	2,527.0
120	4-3/4	15	718.0	482.5	2,894.9	296,100	2,904.6

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

Applications

- Cultivation
- Fishing
- Fish Trap
- Above Land
- Recreation & Sport
- Mooring, Hawser, Tow Line



- SuperTEC is 23% stronger than high tenacity PP ropes.
- SuperTEC is 50% - 60% stronger on average than general PP ropes.

new SuperTEC[®] L10 Rope

Super strong in water super-high UV resistance super-high anti-abrasion super-easy handling

Dia mm	Circ. Inch	Weight			Breaking Strength	
		KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
40	5	64.4	43	259	26,200	257.1
44	5-1/2	79.7	54	321	31,300	306.9
48	6	93.6	63	377	36,400	356.7
52	6-1/2	109.8	74	443	42,800	419.1
56	7	127.8	86	515	50,200	482.4
60	7-1/2	146.7	99	591	57,700	565.2
64	8	166.5	112	671	65,500	641.5
68	8-1/2	188.1	126	758	74,000	724.7
72	9	210.6	142	849	82,800	811.4
80	10	261.0	175	1,052	101,700	996.3
88	11	315.9	212	1,274	123,000	1,206
96	12	375.3	252	1,513	144,800	1,419
104	13	438.8	295	1,769	169,300	1,659
112	14	509.4	342	2,054	196,600	1,926
120	15	587.7	395	2,370	224,600	2,201

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

Applications

- **Cultivation** Seaweed, Oyster, Laver, Sea Squirt etc.
- **Fishing** Gill Net, Drag Net, Surrounding Net, Set Net, Trawl etc.
- **Fish Trap** Crab, Eel, Blue Crab, Octopus, Snail etc.
- **Above Land** Grind Mill Ropes, Industrial Materials, Agriculture, Forestry
- **Recreation & Sport** Safety Net, Hatch Net, Cargo Net
- **Mooring, Hawser, Tow Line**

More cost-saving

Last longer

Save time

Most innovative

Polypropylene Rope

Polypropylene rope has nearly twice the strength of Manila rope of same size. The rope has positive buoyancy(floats), doesn't absorb water, and doesn't decay. It's resistant to acid, alkali and most chemicals. When not in use, the rope should be stored away from direct sun-light. Recommended usages are mooring, dock and anchor line, boat life-line, tarpaulin line, tent tiedown, pool barrier line, public utility and general use in home, farm and industry.

Applications • Mooring, Anchor line, Above land, Recreation & Sport, General use in home, Farm and industry etc

PP DAN 3 S/T

PP DAN 3 S/T				PP DAN 8 S/T			
Dia		Weight	Breaking Strength	Dia		Weight	Breaking Strength
mm	Inch	KGS/100M	Kg	mm	Inch	KGS/100M	Kg
4	5/32	0.6	200	38	1-1/2	65.0	18,500
5	3/16	1.2	420	40	1-19/32	72.0	20,500
6	1/4	1.7	600	42	1-21/32	80.1	22,400
7	9/32	2.3	820	44	1-3/4	88.0	24,600
8	5/16	3.0	1,100	45	1-13/16	91.4	25,100
9	3/8	3.7	1,300	48	1-7/8	104.0	28,600
10	13/32	4.5	1,600	50	2	112.8	30,500
11	7/16	5.5	1,900	52	2-1/16	122.0	33,000
12	15/32	6.5	2,200	55	2-5/32	137.0	36,500
13	1/2	7.8	2,600	56	2-1/4	142.0	37,800
14	9/16	9.0	3,000	60	2-3/8	163.0	43,200
16	5/8	11.5	3,800	64	2-1/2	185.0	48,900
18	23/32	14.8	4,800	65	2-9/16	191.0	50,100
19	3/4	16.2	5,200	70	2-3/4	221.2	58,000
20	13/16	18.0	5,800	72	2-7/8	234.0	61,400
22	7/8	22.0	7,000	75	3	254.9	66,400
24	15/16	26.0	8,100	80	3-5/32	290.0	75,600
25	1	28.2	8,700	85	3-3/8	327.5	84,600
26	1-1/32	30.5	9,400	88	3-7/16	351.0	90,700
28	1-1/8	35.5	10,700	90	3-9/16	367.0	94,000
30	1-3/16	40.5	12,200	95	3-3/4	408.4	104,800
32	1-1/4	46.0	13,500	96	3-13/16	417.0	107,000
34	1-11/32	52.2	15,100	100	3-15/16	452.5	116,100
36	1-7/2	58.5	16,900				

PP DAN 8 S/T

PP DAN 8 S/T			
Dia		Weight	Breaking Strength
mm	Inch	KGS/100M	Kg
40	1-9/16	72.0	20,500
44	1-3/4	88.0	24,600
48	1-7/8	104.0	28,600
52	2-1/16	122.0	33,000
56	2-1/4	142.0	37,800
60	2-3/8	163.0	43,200
64	2-1/2	185.0	48,900
68	2-11/16	209.0	54,800
72	2-7/8	234.0	61,400
80	3-5/32	290.0	75,600
88	3-7/16	351.0	90,700
96	3-13/16	417.0	107,000
104	4-1/8	490.0	122,800
112	4-7/16	570.0	141,700
120	4-3/4	650.0	162,700

Nylon Rope

Nylon Rope has twice the strength of Manila rope. It has high elongation (under load) when compared to other synthetic ropes. Nylon has high energy absorption under shock and good abrasion resistance. When combined, these characteristics makes nylon rope the best in handing compared to other synthetics. It's utilized extensively in marine use such as mooring lines, towing slings, commercial fishing, utility rope, leasure boat, seiling etc.

Nylon 3-Strand Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
4	5/32	1/2	1.05	0.71	4.23	360	3.53
5	3/16	5/8	1.56	1.05	6.29	570	5.60
6	1/4	3/4	2.25	1.51	9.07	760	7.46
7	9/32	7/8	3.1	2.08	12.50	1,050	10.30
8	5/16	1	4.0	2.69	16.13	1,390	13.65
9	3/8	1-1/8	5.0	3.36	20.16	1,750	17.20
10	13/32	1-1/4	6.2	4.17	25.00	2,130	20.90
11	7/16	1-3/8	7.5	5.04	30.24	2,600	25.50
12	15/32	1-1/2	8.9	5.98	35.88	3,040	29.80
13	1/2	1-5/8	10.5	7.06	42.33	3,570	35.00
14	9/16	1-3/4	12.2	8.20	49.19	4,180	41.00
16	5/8	2	15.8	10.62	63.70	5,380	52.80
18	23/32	2-1/4	20.0	13.44	80.64	6,880	67.50
19	3/4	2-3/8	22.1	14.85	89.10	7,650	75.10
20	13/16	2-1/2	24.5	16.46	98.78	8,450	82.90
22	7/8	2-3/4	30.0	20.16	120.96	10,400	102.00
24	15/16	3	35.5	23.86	143.13	12,300	120.70
25	1	3-1/8	38.8	26.07	156.44	13,400	131.50
26	1-1/32	3-1/4	42.0	28.22	169.34	14,500	142.20
28	1-1/8	3-1/2	48.5	32.59	195.54	16,200	159.00
30	1-3/16	3-3/4	55.5	37.29	223.77	18,300	179.50
32	1-1/4	4	63.0	42.33	254.01	20,600	202.00
34	1-11/32	4-1/4	71.4	47.98	287.87	23,200	227.50
36	1-7/16	4-1/2	80.0	53.76	322.55	25,700	252.10

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
38	1-1/2	4-3/4	89.3	60.01	360.04	28,200	276.60
40	1-19/32	5	99.0	66.53	399.15	31,000	304.10
42	1-21/32	5-1/4	109.0	73.25	439.47	33,800	331.60
44	1-3/4	5-1/2	120.0	80.64	483.82	37,000	363.00
45	1-13/16	5-5/8	124.8	83.86	503.17	37,800	370.80
48	1-7/8	6	142.0	95.42	572.52	43,000	421.80
50	2	6-1/4	153.5	103.15	618.89	46,300	454.20
52	2-1/16	6-1/2	166.0	111.55	669.28	50,000	490.50
55	2-5/32	6-7/8	186.2	125.12	750.73	55,000	539.50
56	2-1/4	7	193.0	129.69	778.14	57,000	569.20
60	2-3/8	7-1/2	221.0	148.51	891.04	64,500	632.70
64	2-1/2	8	252.0	169.34	1,016.02	73,000	716.10
65	2-9/16	8-1/16	260.0	174.71	1,048.28	75,000	735.70
70	2-3/4	8-11/16	302.0	202.94	1,217.61	86,000	843.60
72	2-7/8	9	319.0	214.36	1,286.16	91,000	892.70
75	3	9-1/4	346.0	232.50	1,395.01	98,700	968.20
80	3-5/32	10	394.0	264.76	1,588.54	111,500	1,093.80
85	3-3/8	10-1/2	445.0	299.03	1,794.17	126,000	1,236.00
88	3-7/16	11	477.0	320.53	1,923.19	135,000	1,324.30
90	3-9/16	11-1/8	499.0	335.31	2,011.89	139,000	1,363.60
95	3-3/4	11-3/4	556.0	373.62	2,241.70	154,000	1,510.70
96	3-13/16	12	568.0	381.68	2,290.08	158,000	1,550.00
100	3-15/16	12-3/8	616.0	413.94	2,483.61	170,000	1,667.70

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

Nylon 8-Strand Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3	35.5	23.9	143.1	13,400	131.4
28	1-1/8	3-1/2	48.5	32.6	195.5	17,800	174.6
32	1-1/4	4	63.0	42.3	254.0	22,500	220.7
36	1-7/16	4-1/2	80.0	53.8	322.5	28,200	276.6
40	1-9/16	5	99.0	66.5	399.2	34,000	333.5
44	1-3/4	5-1/2	120.0	80.6	483.8	40,500	397.3
45	1-25/32	5-5/8	124.8	83.9	503.2	42,100	413.0
48	1-7/8	6	142.0	95.4	572.5	47,500	466.0
50	2	6-1/4	153.5	103.1	618.9	51,300	503.2
52	2-1/16	6-1/2	166.0	111.5	669.3	55,000	539.5
55	2-5/32	6-7/8	186.2	125.1	750.7	61,000	598.4
56	2-1/4	7	193.0	129.7	778.1	62,500	613.1
60	2-3/8	7-1/2	221.0	148.5	891.0	70,500	691.6
64	2-1/2	8	252.0	169.3	1,016.0	80,000	784.8
65	2-9/16	8-1/16	260.0	174.7	1,048.3	82,000	804.4

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
68	2-11/16	8-1/2	285.0	191.5	1,149.1	90,000	882.9
70	2-3/4	8-11/16	302.0	202.9	1,217.6	95,000	931.9
72	2-7/8	9	319.0	214.4	1,286.2	100,000	981.0
75	3	9-1/4	346.0	232.5	1,395.0	108,000	1,059.4
80	3-5/32	10	394.0	264.8	1,588.5	123,000	1,206.6
85	3-3/8	10-1/2	445.0	299.0	1,794.2	138,000	1,353.7
88	3-7/16	11	477.0	320.5	1,923.2	145,000	1,422.4
90	3-9/16	11-1/8	499.0	335.3	2,011.9	151,000	1,481.3
95	3-3/4	11-3/4	556.0	373.6	2,241.7	166,000	1,648.0
96	3-13/16	12	568.0	381.7	2,290.1	170,000	1,667.6
100	3-15/16	12-3/8	616.0	413.9	2,483.6	184,000	1,805.0
104	4-1/8	13	666.0	447.5	2,685.2	200,000	1,961.9
112	4-7/16	14	772.0	518.8	3,112.6	210,000	2,060.0
120	4-3/4	15	887.0	596.0	3,576.2	255,000	2,501.5

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

Nylon 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	83.0	55.8	334.6	29,800	292.3
40	1-9/16	5	100.0	67.2	403.2	35,000	343.3
44	1-3/4	5-1/2	121.0	81.3	487.9	42,300	414.9
48	1-7/8	6	143.0	96.1	576.6	49,500	485.6
52	2-1/16	6-1/2	166.0	112.9	677.3	58,700	575.8
56	2-1/4	7	201.0	135.1	810.4	69,600	682.8
60	2-3/8	7-1/2	226.0	151.9	911.2	77,900	764.2
64	2-1/2	8	252.0	169.3	1,016.0	86,600	849.5
68	2-11/16	8-1/2	286.0	192.2	1,153.1	98,000	961.3
72	2-7/8	9	330.0	221.8	1,330.5	112,000	1,098.7
80	3-5/32	10	403.0	270.8	1,624.8	133,000	1,304.7
88	3-7/16	11	478.0	321.2	1,927.2	157,000	1,540.1
96	3-13/16	12	569.0	382.4	2,294.1	191,000	1,873.7
104	4-1/8	13	666.0	447.5	2,685.2	210,000	2,060.0
112	4-7/16	14	772.0	518.8	3,112.6	228,000	2,236.6
120	4-3/4	15	887.0	596.0	3,576.2	270,000	2,648.6

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

Nylon fiber

- Fiber Content : Nylon fiber
- Specific gravity : 1.14
- Melting Point : 220°C
- Elongation at break : 45% (8S/T), 30% (12S/T)
- Water absorption : 2 - 5%



MANILA ROPE 3 STRAND

Advantages

- General purpose rope for home use
- Agricultural functions
- Nautical applications
- Construction and industrial supply
- Aquaculture and fishing systems
- Mining operations
- Oil drilling industries
- Best for gymnasium and circus climbing activities
- Roofers
- Forest rangers
- Military people



Advantages

- Firm gripping
- Knot holds well & will not slide
- Brilliant natural light tan colour
- Environment friendly
- Stronger tensile strength
- Compared to Sisal Rope
- Minimal elongation limiting stretching & breaking

Nominal Size		Size /cir	Linear	Linear	Tensile	Tensile	Design
Diameter	Diameter		Density	Density	Strength	Strength	Factory
In	mm	In	lbs/100ft	Kg /30 mt	lbF	kgF	Range
3/16	5	9.16	1.37	0.623	405	184	5-12
1/4	6	3/4	1.82	0.827	540	245	5-12
5/16	8	1	2.64	1.200	900	409	5-12
3/8	10	1 1/8	3.79	1.723	1215	552	5-12
7/16	11	1 1/4	4.87	2.214	1575	716	5-12
1/2	12	1 1/2	6.96	3.164	2385	1084	5-12
9/16	14	1 3/4	9.63	4.377	3105	1411	5-12
5/8	16	2	12.7	5.773	3960	1800	5-12
3/4	18	2 1/4	15.9	7.227	4860	2209	5-12
13/16	20	2 1/2	18.6	8.455	5850	2659	5-12
7/8	22	2 3/4	21.4	9.727	6930	3150	5-12
1	24	3	25.7	11.682	8100	3682	5-12
1 1/16	26	3 1/4	29.8	13.545	9450	4295	5-12
1 1/8	28	3 1/2	34.3	15.591	10800	4909	5-12
1 1/4	30	3 3/4	39.7	18.045	12150	5523	5-12
1 5/16	32	4	45.6	20.727	13500	6136	5-12
1 1/2	36	4 1/2	57	25.909	16650	7568	5-12
1 5/8	40	5	71.1	32.318	20250	9205	5-12
1 3/4	44	5 1/2	85	38.636	23850	10841	5-12
2	48	6	102	46.364	27900	12682	5-12