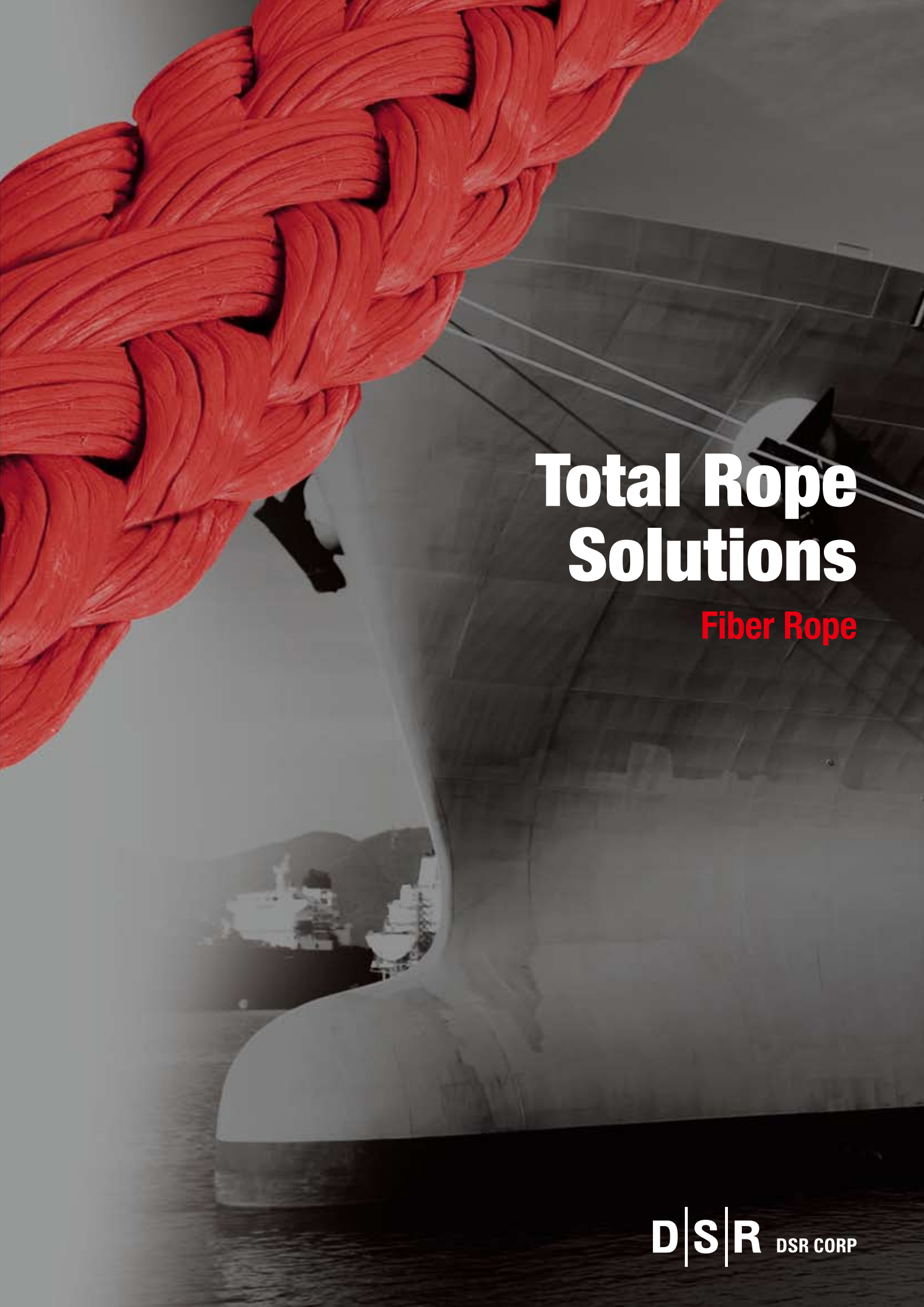




Total Rope Solutions

Fiber Rope



In the bed giving you cozy sleep,
With fisherman's dream of full net,
In the beautiful piano melody,
Together with calm rest of ships mooring at harbor,
As cranes lift up cargos,
At the busy elevators you are using everyday,
Inside of a car taking you wherever you want to go,
DSR is always with you anytime and anywhere.

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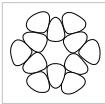
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SuperMax® Rope



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

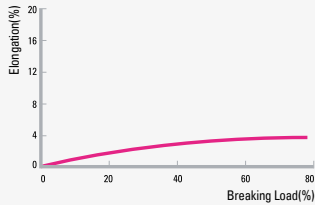
- Maximum strength to weight ratio, and strength comparable to steel wire rope
- Lowest elongation
- Longer life, and easy handling
- Superior abrasion resistance
- Non-kinking, and non-rotational
- Easy to splice

Applications

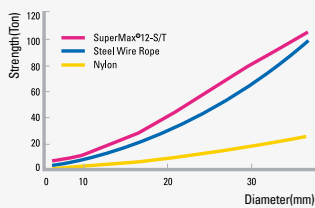
- Mooring Lines
- Anchor Lines
- Lifting Sling & Nets
- Towing Rope
- Heaving Rope
- Tug Rope

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	380.0	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		598.0	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		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® 12-Strand Rope

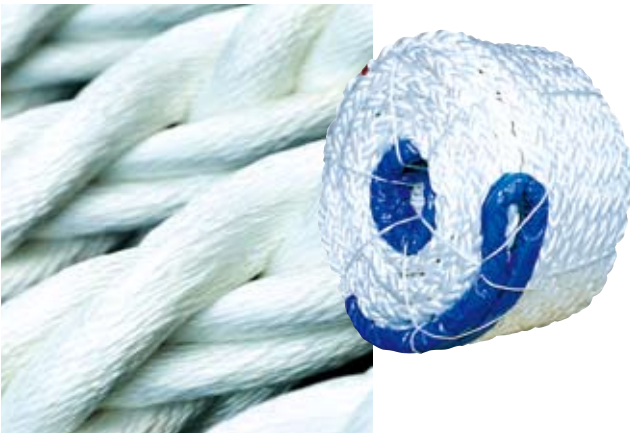
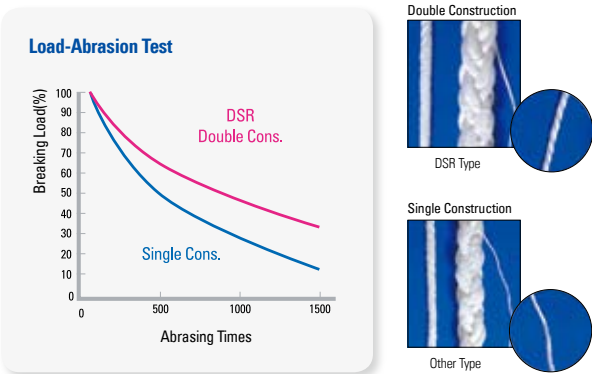
Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch		KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
36	1-7/16	4-1/2		74.2	49.9	299.2	27,800	272.7
40	1-9/16	5		91.5	61.5	368.9	33,600	329.6
44	1-3/4	5-1/2		109.0	73.2	439.5	40,000	392.4
48	1-7/8	6		132.0	88.7	532.2	46,200	453.2
52	2-1/16	6-1/2		150.0	100.8	604.8	53,600	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

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®- Euro 8

Superflex®-Euro 8 has higher tensile strength, more flexibility and better abrasion resistance than normal composite rope. Technically reinforced composition of famous Superdan® yarn and high tenacity polyester yarn enables Superflex®-Euro 8 to have light weight per strength ratio for easy and safe handling and operation, and to float on the water. Superflex®-Euro 8's specially designed construction also provides higher residual tensile strength after repeated mooring operations, which results in minimized total operation cost.

Superflex® - Euro 8 Rope

Dia		Circ.		Weight		Breaking Strength	
mm	Inch	Inch		KGS/100M	Kg	kN	
40	5			98.0	43,000	418	
44	5 1/2			119.0	51,000	498	
48	6			142.0	58,000	565	
52	6 1/2			168.0	70,000	680	
56	7			192.0	81,000	790	
60	7 1/2			221.0	93,000	905	
64	8			251.0	105,000	1,020	
68	8 1/2			283.0	116,000	1,135	
72	9			318.0	128,000	1,245	
76	9 1/2			354.0	145,000	1,420	
80	10			392.0	161,000	1,575	
88	11			475.0	193,000	1,890	
96	12			565.0	226,000	2,210	
104	13			663.0	269,000	2,630	
112	14			769.0	309,000	3,020	
120	15			883.0	354,000	3,460	

- Higher tensile strength than regular composite rope
- Lower elongation grade than regular composite rope
- Excellence in handling property
- Superior abrasion resistance

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	166,500	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



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	36.69	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® 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	98,400	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

New SuperTec® 8-Strand Rope

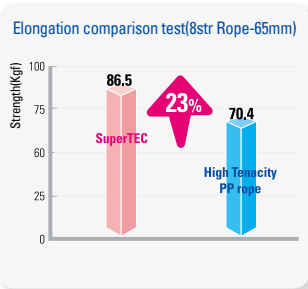
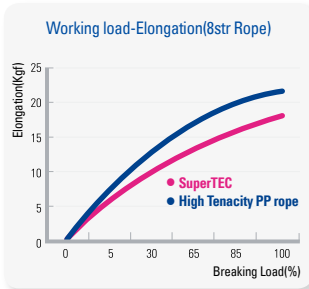
Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch		KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3		28.8	19.4	116.1	13,400	131.4
28	1-1/8	3-1/2		39.4	26.5	158.9	17,800	174.6
32	1-1/4	4		51.1	34.3	206.0	22,700	222.7
36	1-7/16	4-1/2		64.1	43.1	258.4	28,300	277.6
40	1-9/16	5		79.1	53.2	318.9	34,900	342.4
44	1-3/4	5-1/2		97.7	65.7	393.9	41,700	409.1
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	729.8
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	1,766.7
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

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.

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

Dia		Circ.		Weight			Breaking Strength	
mm	Inch	Inch		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	492.4
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

Dia		Weight		Breaking Strength	
mm	Inch	KGS/100M		Kg	
4	5/32	0.6		200	
5	3/16	1.2		420	
6	1/4	1.7		600	
7	9/32	2.3		820	
8	5/16	3.0		1,100	
9	3/8	3.7		1,300	
10	13/32	4.5		1,600	
11	7/16	5.5		1,900	
12	15/32	6.5		2,200	
13	1/2	7.8		2,600	
14	9/16	9.0		3,000	
16	5/8	11.5		3,800	
18	23/32	14.8		4,800	
19	3/4	16.2		5,200	
20	13/16	18.0		5,800	
22	7/8	22.0		7,000	
24	15/16	26.0		8,100	
25	1	28.2		8,700	
26	1-1/32	30.5		9,400	
28	1-1/8	35.5		10,700	
30	1-3/16	40.5		12,200	
32	1-1/4	46.0		13,500	
34	1-11/32	52.2		15,100	
36	1-7/2	58.5		16,900	

Dia		Weight	Breaking Strength
mm	Inch	KGS/100M	Kg
38	1-1/2	65.0	18,500
40	1-19/32	72.0	20,500
42	1-21/32	80.1	22,400
44	1-3/4	88.0	24,600
45	1-13/16	91.4	25,100
48	1-7/8	104.0	28,600
50	2	112.8	30,500
52	2-1/16	122.0	33,000
55	2-5/32	137.0	36,500
56	2-1/4	142.0	37,800
60	2-3/8	163.0	43,200
64	2-1/2	185.0	48,900
65	2-9/16	191.0	50,100
70	2-3/4	221.2	58,000
72	2-7/8	234.0	61,400
75	3	254.9	66,400
80	3-5/32	290.0	75,600
85	3-3/8	327.5	84,600
88	3-7/16	351.0	90,700
90	3-9/16	367.0	94,000
95	3-3/4	408.4	104,800
96	3-13/16	417.0	107,000
100	3-15/16	452.5	116,100

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

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

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	168.0	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

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	559.20
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

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	168,000	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 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%



Mooring Tails

Reason for Using Mooring Tails

Generally more elasticity is required for mooring ropes. Tails can provide this elasticity which reduces the load induced by wire moorings under dynamic loading. Tails permit the ship to respond more favorably when subjected to various wind, wave and current conditions. Tails also tend to distribute the loading more evenly compared to mooring lines without tails.

Mooring Tails

Material	Construction	Type	Dia.(mm)	MBL(ton)	Application Factor
Nylon Tail	8-Strand	Eye to Eye or Endless	60 Up	64 Up	137% against MBL of SuperMax, Wire Rope
	12-Strand				
	Double Braided				
Polyester Superflex Tail	8-Strand	Eye to Eye or Endless	60 Up	55 Up	125% against MBL of SuperMax, Wire Rope
	12-Strand				
	Double Braided				

Mooring Rope They are commonly used for heavy marine applications such as mooring, docking and anchor systems. The mooring ropes retain strength under shock, have excellent resistance to abrasion with less kinks and internalturns.

Suggested mooring ropes for various classes of vesseles

Passenger Ships Ro-Ro Vessels Container Car carriers	SuperMax® Plus	Superflex®	Superdan®	PP Dan	Nylon
	Dia.(mm)	Dia.(mm) (Circ/in)	Dia.(mm) (Circ/in)	Dia.(mm) (Circ/in)	Dia.(mm)
5,000t. dw	24	48(6")	52(6-1/2")	56(7")	48
12,000t. dw	26	52(6-1/2")	56(7")	60(7-1/2")	52
25,000t. dw	28	56(7")	60(7-1/2")	64(8")	56
40,000t. dw	32	60(7-1/2")	64(8")	72(9")	60
80,000t. dw	36	64(8")	68(8-1/2")	76(9-1/2")	64

Passenger Ships Ro-Ro Vessels Container Car carriers	SuperMax® Plus	Superflex®	Superdan®	PP Dan	Nylon
	Dia.(mm)	Dia.(mm) (Circ/in)	Dia.(mm) (Circ/in)	Dia.(mm) (Circ/in)	Dia.(mm)
5 ~10,000t. dw	24	48(6")	52(6-1/2")	56(7")	48
10 ~20,000t. dw	26	52(6-1/2")	56(7")	60(7-1/2")	52
20 ~40,000t. dw	32	56(7")	60(7-1/2")	64(8")	56
40 ~80,000t. dw	36	60(7-1/2")	64(8")	72(9")	60
80 ~150,000t. dw	38	64(8")	68(8-1/2")	76(9-1/2")	64
150 ~250,000t. dw	40	68(8-1/2")	72(9")	80(10")	68
Above 250,000t. dw	44	72(9")	76(9-1/2")	88(11")	70



NMP™ Rope

DSR developed unique construction of NMP™ Rope using high tenacity nylon multifilament fibre. DSR minimizes inner space of the NMP™ Rope to increase the cross sectional density for maximum strength and better abrasion resistance compared to conventional rope construction. This firm and smooth round construction with DSR's unique coating process creates an excellent wear resistance and coefficient of friction with enhanced working lifetime. NMP™ Rope has a non-rotational construction which prevents kinking, and this product also has a high shock absord capability.

NMP™ Rope

Dia		Circ.	Weight	Breaking Strength
mm	Inch	Inch	KGS/100M	Ton
40	1-9/16	5	103.0	46.5
44	1-3/4	5-1/2	121.0	54.5
48	1-7/8	6	143.0	64.0
50	2	6-1/4	151.0	68.0
52	2-1/16	6-1/2	164.0	73.5
55	2-5/32	6-7/8	183.0	82.0
60	2-3/8	7-1/2	220.0	98.0
65	3-15/16	12-3/8	256.0	112.0
70	2-3/4	8-11/16	298.0	128.0
75	3	9-1/4	342.0	145.0
80	3-5/32	10	388.5	164.0
85	3-3/8	10-1/2	437.0	180.0
90	3-9/16	11-1/8	490.0	200.0
95	3-3/4	11-3/4	540.0	220.0
100	3-15/16	12-3/8	600.0	245.0

- Material : High tenacity Nylon multifilament
- Melting Point : 220°C
- Specific Gravity : 1.14
- Elongation at break : 30%
- Water absorption : 2 ~ 5%

Characteristics

- High strength and shock mitigation
- Highest wear
- Superior abrasion resistance
- Non-kinking & Non-rotational
- Longer life

Applications

- Ship Moorings
- Mooring Springs
- Towing Lines



Double Braid Rope

Characteristics

1. The braided cover and core create excellent strength and wear resistance.
2. Double Braided Rope has a low elongation compared to conventional 8 strands construction rope especially under low load.
3. Double Braided Rope is easy to handle and very flexible.
4. The smooth and wide contact surface using lots of strands increases the sectional coefficient of friction of Double Braided Rope.
5. Double Braided Rope has a non-rotational construction which prevents kinking, and this product also has a high shock absorb capability.

Nylon Double Braid Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
40	1-5/8	5	110.1	74.0	443.9	40,800	400.2
44	1-3/4	5-1/2	132.6	89.1	534.6	48,900	479.7
48	2	6	157.8	106.0	636.2	57,500	564.1
52	2-1/8	6-1/2	184.8	124.2	745.1	66,500	652.3
56	2-1/4	7	214.3	144.0	864.0	76,000	745.5
60	2-1/2	7-1/2	246.0	165.3	991.8	86,500	848.5
64	2-5/8	8	279.8	188.0	1,128.1	97,600	957.4
68	2-3/4	8-1/2	316.0	212.4	1,274.1	109,600	1,075.1
72	3	9	354.2	238.0	1,428.1	122,200	1,198.7
80	3-1/4	10	437.5	294.0	1,763.9	149,600	1,467.5
84	3-1/2	10-1/2	482.8	324.5	1,946.6	164,500	1,613.7
88	3-5/8	11	529.8	356.0	2,136.1	179,900	1,764.8
96	4	12	629.5	423.1	2,538.0	209,800	2,058.1



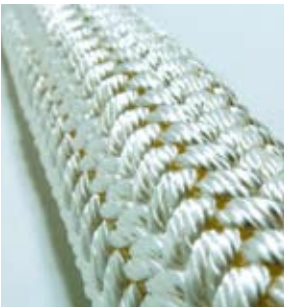
- Fiber Content : Nylon fiber
- Specific gravity : 1.14
- Melting point : 220°C
- Elongation at break : 30 ~ 35%
- Water absorption : 2 ~ 5%

Applications

- Ship Moorings
- Mooring Springs
- Towing Lines

Polyester Double Braid Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
40	1-5/8	5	127.8	85.9	515.3	34,400	337.5
44	1-3/4	5-1/2	155.0	104.2	624.9	41,000	402.2
48	2	6	184.5	124.0	743.9	46,200	453.2
52	2-1/8	6-1/2	222.0	149.2	895.1	55,600	545.4
56	2-1/4	7	257.5	173.1	1,038.2	64,200	629.8
60	2-1/2	7-1/2	294.3	197.8	1,186.6	73,000	716.1
64	2-5/8	8	334.8	225.0	1,349.9	82,200	806.4
68	2-3/4	8-1/2	398.3	267.7	1,605.9	97,300	954.5
72	3	9	446.5	300.1	1,800.2	107,200	1,051.6
80	3-1/4	10	558.1	375.1	2,250.2	129,000	1,265.5
84	3-1/2	10-1/2	610.2	410.1	2,460.2	140,600	1,379.2
88	3-5/8	11	669.7	450.1	2,700.1	154,100	1,511.7
96	4	12	781.3	525.1	3,150.1	178,100	1,747.1



- Fiber Content : Polyester fiber
- Specific gravity : 1.38
- Melting point : 265°C
- Elongation at break : 25 ~ 30%
- Water absorption : 0 ~ 1%

SuperDan® Rope

Because Superdan® rope is manufactured from high tenacity polypropylene yarns, Superdan® offers easy handling, high strength and excellent abrasion resistance.

Advanced durability

- Excellent anti-abrasion properties contribute to longer working life.(over 10% compared to standard ropes)
- High ultra-violet light resistance.

Super Strength

- 50% better breaking strength compared to BS and ISO standards & specifications.
- A cost effective super strength rope.

Variety of Applications

- A multi purpose rope ideal for general industrial & commercial fishing applications.
- An excellent rope for deep sea pot rope.

Superdan® 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	680	6.70
8	5/16	1	3.0	2.02	12.10	1,200	11.8
9	3/8	1-1/8	3.8	2.55	15.32	1,500	14.7
10	13/32	1-1/4	4.5	3.02	18.14	1,800	17.7
12	15/32	1-1/2	6.6	4.44	26.61	2,700	26.5
14	9/16	1-3/4	9.1	6.11	36.69	3,600	35.3
16	5/8	2	11.6	7.79	46.77	4,500	44.1
18	23/32	2-1/4	14.9	10.01	60.07	5,800	56.9
20	13/16	2-1/2	17.9	12.03	72.17	6,900	67.7
22	7/8	2-3/4	22.0	14.78	88.70	8,400	82.4
24	15/16	3	26.0	17.47	104.83	9,900	97.1
26	1-1/32	3-1/4	30.6	20.56	123.37	11,500	112.8
28	1-1/8	3-1/2	35.5	23.86	143.13	13,200	129.5
30	1-3/16	3-3/4	41.1	27.62	165.71	15,000	147.2
32	1-1/4	4	46.0	30.91	185.46	16,800	164.8
36	1-7/16	4-1/2	58.0	38.97	233.85	20,600	202.1
40	1-19/32	5	71.5	48.05	288.28	25,700	252.1
44	1-3/4	5-1/2	88.5	59.47	356.82	31,800	312.0
48	1-7/8	6	104.0	69.89	419.31	36,600	359.0
52	2-1/16	6-1/2	122.0	81.98	491.88	42,100	413.0
56	2-1/4	7	142.0	95.42	572.52	48,700	477.7
60	2-3/8	7-1/2	163.0	109.53	657.19	55,300	542.5
64	2-1/2	8	185.0	124.31	745.89	62,500	613.1
70	2-3/4	8-11/16	221.0	148.51	891.04	74,300	728.9
72	2-7/8	9	234.0	157.24	943.45	77,900	764.2
80	3-5/32	10	290.0	194.87	1,169.23	96,000	941.8
88	3-7/16	11	351.0	235.86	1,415.17	116,200	1,139.9
96	3-13/16	12	417.0	280.21	1,681.28	137,200	1,345.9
100	3-15/16	12-3/8	452.3	303.93	1,823.60	148,900	1,460.7

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

Superdan® 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	24,100	236.4
40	1-9/16	5	79.1	53.2	318.9	29,800	292.3
44	1-3/4	5-1/2	97.7	65.7	393.9	35,600	349.2
48	1-7/8	6	114.5	76.9	461.6	42,000	412.0
52	2-1/16	6-1/2	134.0	90.0	540.3	48,500	475.8
56	2-1/4	7	156.0	104.8	629.0	55,400	543.5
60	2-3/8	7-1/2	179.0	120.3	721.7	64,000	627.8
64	2-1/2	8	203.6	136.8	820.9	72,000	706.3
68	2-11/16	8-1/2	230.0	154.6	927.3	82,000	804.4
72	2-7/8	9	258.0	173.4	1,040.2	90,500	887.8
80	3-5/32	10	319.0	214.4	1,286.2	111,000	1,088.9
88	3-7/16	11	386.0	259.4	1,556.3	134,000	1,314.5
96	3-13/16	12	459.0	308.4	1,850.6	158,000	1,549.9
104	4-1/8	13	536.0	360.2	2,161.1	185,000	1,814.8
112	4-7/16	14	623.0	418.6	2,511.8	214,000	2,099.3
120	4-3/4	15	718.0	482.5	2,894.9	246,000	2,413.2

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

Superdan® 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	10,900	106.9
28	1-1/8	3-1/2	39.4	26.5	158.9	14,500	142.2
32	1-1/4	4	51.1	34.3	206.0	18,500	181.5
36	1-7/16	4-1/2	64.1	43.1	258.4	23,000	225.6
40	1-9/16	5	79.1	53.2	318.9	28,400	278.6
44	1-3/4	5-1/2	97.7	65.7	393.9	33,900	332.5
45	1-25/32	5-5/8	102.0	68.5	411.2	35,400	347.3
48	1-7/8	6	114.5	76.9	461.6	39,800	390.4
50	2	6-1/4	124.5	83.7	502.0	42,500	416.9
52	2-1/16	6-1/2	134.0	90.0	540.3	46,000	451.2
55	2-5/32	6-7/8	150.5	101.1	606.8	50,900	499.3
56	2-1/4	7	156.0	104.8	629.0	52,800	518.0
60	2-3/8	7-1/2	179.0	120.3	721.7	60,500	593.5
64	2-1/2	8	203.6	136.8	820.9	68,200	669.0
65	2-9/16	8-1/16	210.0	141.1	846.7	70,400	690.6
68	2-11/16	8-1/2	230.0	154.6	927.3	77,600	761.2
70	2-3/4	8-11/16	243.5	163.6	981.8	82,200	806.4
72	2-7/8	9	258.0	173.4	1,040.2	85,800	841.7
75	3	9-1/4	279.5	187.8	1,126.9	93,100	913.3
80	3-5/32	10	319.0	214.4	1,286.2	105,600	1,035.9
85	3-3/8	10-1/2	360.5	242.2	1,453.5	118,800	1,165.4
88	3-7/16	11	386.0	259.4	1,556.3	127,600	1,251.7
90	3-9/16	11-1/8	403.5	271.1	1,626.8	133,400	1,308.6
95	3-3/4	11-3/4	449.5	302.1	1,812.3	146,500	1,437.1
96	3-13/16	12	459.0	308.4	1,850.6	149,600	1,467.5
100	3-15/16	12-3/8	498.0	334.6	2,007.9	162,400	1,593.1
104	4-1/8	13	536.0	360.2	2,161.1	175,600	1,722.6
112	4-7/16	14	623.0	418.6	2,511.8	203,700	1,998.2
120	4-3/4	15	718.0	482.5	2,894.9	233,800	2,293.5

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



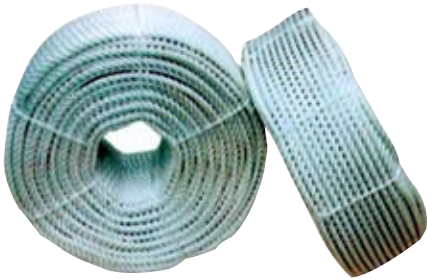
Polyester(Dacron) Rope

Polyester rope exceeds twice the strength of Manila rope, has a lower elongation, high strength, with excellent resistance to outer and internal wearing compared to all synthetic and natural fiber ropes. Recommended for use in rigging, tree rope, truck rope, antenna guys and sail boats.

Polyester 3-Strand

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
4	5/32	1/2	1.18	0.79	4.76	300	2.90
5	3/16	5/8	1.87	1.26	7.54	390	3.85
6	1/4	3/4	2.70	1.81	10.89	600	5.54
7	9/32	7/8	3.70	2.49	14.92	780	7.70
8	5/16	1	4.80	3.23	19.35	1,020	10.0
9	3/8	1-1/8	6.20	4.17	25.00	1,290	12.6
10	13/32	1-1/4	7.60	5.11	30.64	1,600	15.6
11	7/16	1-3/8	9.20	6.18	37.09	1,900	18.7
12	15/32	1-1/2	11.0	7.39	44.35	2,300	22.3
13	1/2	1-5/8	12.8	8.60	51.61	2,700	26.9
14	9/16	1-3/4	14.8	9.95	59.67	3,200	31.2
16	5/8	2	19.5	13.10	78.62	4,100	39.8
18	23/32	2-1/4	24.5	16.46	98.78	5,100	49.8
19	3/4	2-3/8	27.3	18.34	110.07	5,700	56.0
20	13/16	2-1/2	30.3	20.36	122.16	6,300	62.3
22	7/8	2-3/4	36.7	24.66	147.97	7,600	74.7
24	15/16	3	43.7	29.37	176.19	9,100	89.6
25	1	3-1/8	47.3	31.78	190.71	9,890	97.0
26	1-1/32	3-1/4	51.2	34.40	206.43	10,700	105.0
28	1-1/8	3-1/2	59.4	39.92	239.49	12,200	120.0
30	1-3/16	3-3/4	68.2	45.83	274.97	13,700	134.0
32	1-1/4	4	77.8	52.28	313.68	15,700	154.0
34	1-11/32	4-1/4	87.6	58.86	353.19	17,400	171.0
36	1-7/16	4-1/2	98.2	65.99	395.93	19,400	190.0
38	1-1/2	4-3/4	110.0	73.92	443.50	21,600	212.0
40	1-19/32	5	121.5	81.64	489.87	24,000	235.0
42	1-21/32	5-1/4	133.7	89.84	539.06	25,900	254.0
44	1-3/4	5-1/2	146.8	98.65	591.87	28,400	279.0
45	1-13/16	5-5/8	153.8	103.35	620.10	29,400	289.0
48	1-7/8	6	175.0	117.60	705.57	33,500	329.0
50	2	6-1/4	189.5	127.34	764.03	36,200	355.0
52	2-1/16	6-1/2	205.0	137.75	826.53	39,100	384.0
55	2-5/32	6-7/8	230.0	154.55	927.32	43,200	423.4
56	2-1/4	7	238.0	159.93	959.58	44,800	439.0
60	2-3/8	7-1/2	273.0	183.45	1,100.69	49,800	489.0
64	2-1/2	8	311.0	208.98	1,253.90	57,900	568.0
65	2-9/16	8-1/16	321.0	215.70	1,294.22	58,700	576.2
70	2-3/4	8-11/16	371.5	249.64	1,497.83	68,100	668.3
72	2-7/8	9	393.0	264.09	1,584.51	72,100	707.0
75	3	9-1/4	426.3	286.46	1,718.77	77,700	762.0
80	3-5/32	10	485.0	325.91	1,955.44	88,400	867.0
85	3-3/8	10-1/2	548.0	368.24	2,209.45	98,900	970.0
88	3-7/16	11	587.0	394.45	2,366.69	106,000	1,040.0
90	3-9/16	11-1/8	614.0	412.59	2,475.55	110,900	1,081.0
95	3-3/4	11-3/4	685.0	460.30	2,761.81	122,700	1,204.0
96	3-13/16	12	699.0	469.71	2,818.25	125,400	1,230.0
100	3-15/16	12-3/8	758.0	509.36	3,056.13	136,100	1,335.0

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



Polyester 8-Strand

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3	43.7	29.4	176.2	12,200	119.7
28	1-1/8	3-1/2	59.4	39.9	239.5	16,200	158.9
32	1-1/4	4	77.8	52.3	313.7	21,200	208.0
36	1-7/16	4-1/2	98.2	66.0	395.9	26,500	260.0
40	1-9/16	5	121.0	81.3	487.9	32,500	318.8
44	1-3/4	5-1/2	147.0	98.8	592.7	38,800	380.6
45	1-25/32	5-5/8	153.8	103.3	620.1	40,500	397.3
48	1-7/8	6	175.0	117.6	705.6	46,100	452.2
50	2	6-1/4	189.5	127.3	764.0	49,900	489.5
52	2-1/16	6-1/2	205.0	137.8	826.5	54,000	529.7
55	2-5/32	6-7/8	230.0	154.6	927.3	60,500	593.5
56	2-1/4	7	238.0	159.9	959.6	62,800	616.0
60	2-3/8	7-1/2	273.0	183.4	1,100.7	73,200	718.1
64	2-1/2	8	311.0	209.0	1,253.9	83,000	814.2
65	2-9/16	8-1/16	321.0	215.7	1,294.2	85,000	833.8
68	2-11/16	8-1/2	351.0	235.9	1,415.2	93,000	912.3
70	2-3/4	8-11/16	371.5	249.6	1,497.8	98,000	961.3
72	2-7/8	9	393.0	264.1	1,584.5	103,000	1,010.4
75	3	9-1/4	426.3	286.5	1,718.8	111,000	1,088.9
80	3-5/32	10	485.0	325.9	1,955.4	127,000	1,245.8
85	3-3/8	10-1/2	548.0	368.2	2,209.4	143,000	1,402.8
88	3-7/16	11	587.0	394.4	2,366.7	152,000	1,491.1
90	3-9/16	11-1/8	614.0	412.6	2,475.5	158,000	1,549.9
95	3-3/4	11-3/4	685.0	460.3	2,761.8	176,000	1,726.5
96	3-13/16	12	699.0	469.7	2,818.3	181,000	1,775.6
100	3-15/16	12-3/8	758.0	509.4	3,056.1	196,000	1,922.7
104	4-1/8	13	820.0	551.0	3,306.1	209,000	2,050.2
112	4-7/16	14	950.0	638.4	3,830.2	243,000	2,383.8
120	4-3/4	15	1090.0	732.5	4,394.7	278,000	2,727.1

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

Polyester 12-Strand

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
36	1-7/16	4-1/2	98.2	66.0	395.9	27,900	273.7
40	1-9/16	5	121.0	81.3	487.9	34,200	335.3
44	1-3/4	5-1/2	142.0	95.4	572.5	39,800	390.4
48	1-7/8	6	172.0	115.6	693.5	47,600	466.9
52	2-1/16	6-1/2	202.0	135.7	814.4	56,000	549.3
56	2-1/4	7	230.0	154.6	927.3	64,500	632.7
60	2-3/8	7-1/2	271.0	182.1	1,092.6	76,000	745.5
64	2-1/2	8	298.0	200.2	1,201.5	84,000	824.0
68	2-11/16	8-1/2	336.0	225.8	1,354.7	94,500	927.0
72	2-7/8	9	392.0	263.4	1,580.5	109,000	1,069.3
80	3-5/32	10	485.0	325.9	1,955.4	133,000	1,304.7
88	3-7/16	11	577.0	387.7	2,326.4	159,000	1,559.7
96	3-13/16	12	697.0	468.4	2,810.2	191,000	1,873.7
104	4-1/8	13	820.0	551.0	3,306.1	221,000	2,167.9
112	4-7/16	14	950.0	638.4	3,830.2	256,000	2,511.3
120	4-3/4	15	1090.0	732.5	4,394.7	293,000	2,874.2

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

Polyester 8 S/T

- Fiber Content : Polyester fiber
- Specific gravity : 1.38
- Melting Point : 265°C
- Elongation at break : 25 ~ 28%
- Water absorption : 0 ~ 1%

Polyester 12 S/T

- Fiber Content : Polyester fiber
- Specific gravity : 1.38
- Melting Point : 265°C
- Elongation at break : 20 ~ 25%
- Water absorption : 0 ~ 1%

12-Strand Braided Rope

12-strand braided rope has superior strength with excellent abrasion resistance. The rope is flexible, doesn't rotate or kink, can be handled and coiled easily, and is fully splicable. Lead or wire can be inserted in the center of the core creating a sink rope with improved strength. 12 strand is manufactured in a variety of fiber types from single or double braid construction. Recommended for use as commercial fishing, crab line, long line and net sling.



Superdan® 12 S/T

(ONE TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	6.50	4.37	26.21	2,560	25.11
14	9/16	1-3/4	9.00	6.05	36.29	3,500	34.33
16	5/8	2	11.59	7.79	46.73	4,500	44.14
18	23/32	2-1/4	14.91	10.02	60.11	5,800	56.90
20	13/16	2-1/2	17.91	12.04	72.21	6,900	67.69
22	7/8	2-3/4	22.00	14.78	88.70	8,400	82.40
24	15/16	3	26.00	17.47	104.83	9,900	97.12
26	1-1/32	3-1/4	30.59	20.56	123.33	11,500	112.81
28	1-1/8	3-1/2	35.50	23.86	143.13	13,200	129.49
30	1-3/16	3-3/4	41.09	27.61	165.67	15,000	147.15
32	1-1/4	4	46.00	30.91	185.46	16,800	164.80
34	1-11/32	4-1/4	51.91	34.88	209.29	18,400	180.50

(TWO TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	6.50	4.37	26.21	2,650	26.00
14	9/16	1-3/4	9.00	6.05	36.29	3,650	35.81
16	5/8	2	11.59	7.79	46.73	4,700	46.11
18	23/32	2-1/4	14.91	10.02	60.11	5,900	57.88
20	13/16	2-1/2	17.91	12.04	72.21	7,050	69.16
22	7/8	2-3/4	22.00	14.78	88.70	8,600	84.36
24	15/16	3	26.00	17.47	104.83	10,100	99.08
26	1-1/32	3-1/4	30.59	20.56	123.33	11,800	115.75
28	1-1/8	3-1/2	35.50	23.86	143.13	13,500	132.43
30	1-3/16	3-3/4	41.09	27.61	165.67	15,300	150.09
32	1-1/4	4	46.00	30.91	185.46	17,200	168.73
34	1-11/32	4-1/4	51.91	34.88	209.29	18,800	184.42

Superflex® 12 S/T

(ONE TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	10.65	7.16	42.94	3,050	29.92
14	9/16	1-3/4	14.50	9.74	58.46	4,100	40.22
16	5/8	2	18.82	12.65	75.88	5,300	51.99
18	23/32	2-1/4	23.82	16.01	96.04	6,700	65.72
20	13/16	2-1/2	28.23	18.97	113.82	7,900	77.50
22	7/8	2-3/4	35.68	23.98	143.86	10,000	98.10
24	15/16	3	42.41	28.50	170.99	11,900	116.74
26	1-1/32	3-1/4	48.18	32.38	194.25	13,500	132.43
28	1-1/8	3-1/2	52.09	35.00	210.02	14,700	144.20
30	1-3/16	3-3/4	58.00	38.97	233.85	16,200	158.92
32	1-1/4	4	69.91	46.98	281.87	19,600	192.27
34	1-11/32	4-1/4	79.68	53.54	321.26	22,300	218.76

(TWO TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	10.65	7.16	42.94	3,100	30.41
14	9/16	1-3/4	14.50	9.74	58.46	4,180	41.00
16	5/8	2	18.82	12.65	75.88	5,400	52.97
18	23/32	2-1/4	23.82	16.01	96.04	6,850	67.20
20	13/16	2-1/2	28.23	18.97	113.82	8,050	78.97
22	7/8	2-3/4	35.68	23.98	143.86	10,200	100.06
24	15/16	3	42.41	28.50	170.99	12,200	119.68
26	1-1/32	3-1/4	48.18	32.38	194.25	13,800	135.37
28	1-1/8	3-1/2	52.09	35.00	210.02	14,900	146.16
30	1-3/16	3-3/4	58.00	38.97	233.85	16,500	161.86
32	1-1/4	4	69.91	46.98	281.87	20,000	196.19
34	1-11/32	4-1/4	79.68	53.54	321.26	22,800	223.66

Polyester 12 S/T

(ONE TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	11.30	7.59	45.56	3,250	31.88
14	9/16	1-3/4	15.30	10.28	61.69	4,400	43.16
16	5/8	2	20.50	13.78	82.65	5,900	57.88
18	23/32	2-1/4	24.60	16.53	99.18	7,000	68.67
20	13/16	2-1/2	33.95	22.81	136.88	9,800	96.13
22	7/8	2-3/4	41.10	27.62	165.71	11,800	115.76
24	15/16	3	44.15	29.67	178.01	12,700	124.59
26	1-1/32	3-1/4	53.15	35.72	214.29	15,300	150.09
28	1-1/8	3-1/2	61.60	41.39	248.36	17,700	173.64
30	1-3/16	3-3/4	63.20	42.47	254.81	18,200	178.54
32	1-1/4	4	74.15	49.83	298.96	20,700	203.07
34	1-11/32	4-1/4	81.15	54.53	327.18	23,400	229.55

(TWO TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	11.30	7.59	45.56	3,420	33.55
14	9/16	1-3/4	15.30	10.28	61.69	4,650	45.62
16	5/8	2	20.50	13.78	82.65	6,200	60.82
18	23/32	2-1/4	24.60	16.53	99.18	7,400	72.59
20	13/16	2-1/2	33.95	22.81	136.88	10,300	101.04
22	7/8	2-3/4	41.10	27.62	165.71	12,400	121.64
24	15/16	3	44.15	29.67	178.01	13,300	130.47
26	1-1/32	3-1/4	53.15	35.72	214.29	16,000	156.96
28	1-1/8	3-1/2	61.60	41.39	248.36	18,600	182.47
30	1-3/16	3-3/4	63.20	42.47	254.81	19,100	187.37
32	1-1/4	4	74.15	49.83	298.96	21,800	213.86
34	1-11/32	4-1/4	81.15	54.53	327.18	24,600	241.33

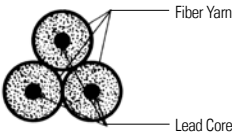
Nylon 12 S/T

(ONE TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	9.50	6.38	38.30	3,580	35.12
14	9/16	1-3/4	12.90	8.67	52.01	4,800	47.09
16	5/8	2	16.80	11.29	67.73	6,100	59.84
18	23/32	2-1/4	20.05	13.47	80.84	7,400	72.59
20	13/16	2-1/2	27.80	18.68	112.09	10,300	101.04
22	7/8	2-3/4	33.65	22.61	135.67	12,500	122.63
24	15/16	3	36.05	24.22	145.35	13,400	131.45
26	1-1/32	3-1/4	43.35	29.13	174.78	16,100	157.94
28	1-1/8	3-1/2	50.30	33.80	202.80	18,700	183.45
30	1-3/16	3-3/4	51.65	34.71	208.24	19,200	188.35
32	1-1/4	4	58.80	39.51	237.07	21,900	214.84
34	1-11/32	4-1/4	66.35	44.59	267.51	24,700	242.31

(TWO TYPE)				Weight		Breaking Strength	
Dia	Circ.						
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	9.50	6.38	38.30	3,750	36.79
14	9/16	1-3/4	12.90	8.67	52.01	5,050	49.54
16	5/8	2	16.80	11.29	67.73	6,400	62.78
18	23/32	2-1/4	20.05	13.47	80.84	7,800	76.52
20	13/16	2-1/2	27.80	18.68	112.09	10,800	105.95
22	7/8	2-3/4	33.65	22.61	135.67	13,100	128.51
24	15/16	3	36.05	24.22	145.35	14,100	138.32
26	1-1/32	3-1/4	43.35	29.13	174.78	17,000	166.76
28	1-1/8	3-1/2	50.30	33.80	202.80	19,700	193.26
30	1-3/16	3-3/4	51.65	34.71	208.24	20,200	198.16
32	1-1/4	4	58.80	39.51	237.07	23,000	225.63
34	1-11/32	4-1/4	66.35	44.59	267.51	25,900	254.08

Lead Core Rope

Lead Core rope is manufactured to make the rope sink into water. Lead Core ropes are used in commercial fishing, particularly as net bottom lines.



Dia		Circ.	Weight			Superdan® B/S		PP B/S	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	Kg	kN
6	1/4	3/4	2.64	1.77	10.64	580	5.70	500	4.90
8	5/16	1	4.75	3.19	19.15	1,130	11.10	850	8.30
9	3/8	1-1/8	6.00	4.03	24.19	1,360	13.3	1,060	10.4
10	13/32	1-1/4	7.50	5.04	30.24	1,600	15.7	1,290	12.7
12	15/32	1-1/2	10.50	7.06	42.33	2,250	22.0	1,800	17.7
14	9/16	1-3/4	14.25	9.58	57.45	3,000	29.4	2,400	23.5
16	5/8	2	18.75	12.60	75.60	3,800	37.3	3,000	29.4
18	23/32	2-1/4	22.50	15.12	90.72	4,700	46.1	3,800	37.3
20	13/16	2-1/2	29.50	19.82	118.94	5,600	54.9	4,500	44.0
22	7/8	2-3/4	35.00	23.52	141.11	6,900	67.7	5,600	55.0
24	15/16	3	41.25	27.72	166.31	8,100	79.5	6,500	64.0
26	1-1/32	3-1/4	49.50	33.26	199.58	9,400	92.5	7,500	74.0
28	1-1/8	3-1/2	57.50	38.64	231.83	10,600	104.0	8,500	83.4
30	1-3/16	3-3/4	63.75	42.84	257.03	11,700	115.0	9,900	97.0
32	1-1/4	4	71.25	47.88	287.27	13,200	129.0	11,000	108.0
34	1-11/32	4-1/4	81.50	54.77	328.59	14,800	145.0	12,400	122.0
36	1-7/16	4-1/2	91.00	61.15	366.90	16,600	163.0	12,700	125.0
38	1-1/2	4-3/4	101.50	68.21	409.23	18,200	179.0	15,100	148.0
40	1-19/32	5	112.50	75.60	453.58	19,800	194.0	16,700	164.0
45	1-13/16	5-5/8	142.50	95.76	574.54	24,800	243.0	20,700	203.0

Vynylon(KU, V/E) Rope

Vynylon rope look similar to cotton rope. It has good ultra violet ray resistance. It's one of the best handling ropes with outstanding resistance to internal and external abrasion. Commonly used by commercial fishermen for trawl applications and safety nets. Also used for general marine and industrial use.

Dia		Circ.	KU 3 S/T				V/E 3 S/T			
			Weight		Breaking Strength		Weight		Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	Kg	kN	KGS/100M	LBS/100FT	Kg	kN
4	5/32	1/2	1.01	0.68	150	1.47	1.05	0.70	160	1.57
5	3/16	5/8	1.57	1.05	230	2.26	1.63	1.09	240	2.35
6	1/4	3/4	2.25	1.51	330	3.24	2.34	1.57	339	3.33
7	9/32	7/8	3.09	2.08	430	4.22	3.21	2.16	450	4.41
8	5/16	1	3.98	2.67	560	5.49	4.14	2.78	580	5.69
9	3/8	1-1/8	5.00	3.36	700	6.86	5.20	3.49	730	7.16
10	13/32	1-1/4	6.20	4.17	950	9.32	6.45	4.33	990	9.71
11	7/16	1-3/8	7.45	5.01	1,100	11.1	7.75	5.21	1,200	11.6
12	15/32	1-1/2	8.90	5.98	1,400	13.4	9.25	6.22	1,400	14.0
13	1/2	1-5/8	10.40	6.99	1,600	15.4	10.82	7.27	1,600	16.0
14	9/16	1-3/4	12.10	8.13	1,800	17.9	12.55	8.43	1,900	18.6
16	5/8	2	15.75	10.58	2,300	22.9	16.35	10.99	2,400	23.8
18	23/32	2-1/4	19.90	13.37	2,900	28.6	20.70	13.91	3,000	29.8
19	3/4	2-3/8	22.10	14.85	3,200	31.4	23.00	15.46	3,300	32.6
20	13/16	2-1/2	24.50	16.46	3,500	34.8	25.50	17.14	3,700	36.2
22	7/8	2-3/4	29.60	19.89	4,200	41.6	30.75	20.66	4,400	43.2
24	15/16	3	35.20	23.65	5,000	48.8	36.60	24.59	5,200	50.8
25	1	3-1/8	38.00	25.53	5,300	52.4	39.70	26.68	5,500	54.4
26	1-1/32	3-1/4	41.25	27.72	5,800	56.7	42.90	28.83	6,000	58.9
28	1-1/8	3-1/2	47.80	32.12	6,600	65.1	49.70	33.40	6,900	67.8
30	1-3/16	3-3/4	54.50	36.62	7,500	74.0	56.50	37.97	7,800	77.0
32	1-1/4	4	62.00	41.66	8,500	83.5	64.50	43.34	8,800	86.8
34	1-11/32	4-1/4	70.00	47.04	9,500	93.5	72.50	48.72	9,900	97.2
35	1-3/8	4-11/32	74.00	49.73	10,100	99.0	76.50	51.41	10,500	103.0
36	1-7/16	4-1/2	78.50	52.75	10,600	104.0	81.50	54.77	11,000	108.0
38	1-1/2	4-3/4	87.50	58.80	11,700	115.0	91.00	61.15	12,200	120.0
40	1-19/32	5	97.00	65.18	12,900	127.0	101.00	67.87	13,400	131.0
42	1-21/32	5-1/4	106.50	71.57	14,000	138.0	111.00	74.59	14,700	144.0
44	1-3/4	5-1/2	117.00	78.62	15,300	150.0	122.00	81.98	15,900	156.0
45	1-13/16	5-5/8	122.50	82.32	16,000	157.0	127.50	85.68	16,600	163.0
48	1-7/8	6	139.00	93.40	18,000	176.0	145.00	97.44	18,700	183.0
50	2	6-1/4	151.00	101.47	19,500	191.0	157.00	105.50	20,300	199.0
52	2-1/16	6-1/2	159.00	106.84	20,700	203.0	165.00	110.88	21,500	211.0
55	2-5/32	6-7/8	177.50	119.28	23,200	228.0	184.50	123.98	24,100	237.0
56	2-1/4	7	188.60	126.73	23,900	234.0	196.00	131.71	24,700	243.0
60	2-3/8	7-1/2	216.50	145.48	27,400	269.0	225.00	151.19	28,400	279.0
64	2-1/2	8	246.00	165.31	30,800	302.0	260.00	174.71	32,100	315.0
65	2-9/16	8-1/16	254.00	170.68	31,800	312.0	264.00	177.40	33,100	325.0
70	2-3/4	8-11/16	294.50	197.90	36,500	358.0	306.00	205.62	38,000	373.0
72	2-7/8	9	311.00	208.98	38,200	375.0	323.00	217.05	39,800	390.0
75	3	9-1/4	337.50	226.79	41,500	407.0	351.00	235.86	43,200	424.0
80	3-5/32	10	383.50	257.70	46,800	459.0	398.50	267.78	48,700	478.0
85	3-3/8	10-1/2	433.00	290.96	52,400	514.0	450.00	302.39	54,400	534.0
88	3-7/16	11	465.00	312.47	55,600	546.0	483.00	324.56	57,700	567.0
90	3-9/16	11-1/8	486.50	326.91	58,200	571.0	505.00	339.35	60,400	593.0
95	3-3/4	11-3/4	540.00	362.87	64,400	632.0	560.00	376.30	67,000	657.0
96	3-13/16	12	553.00	371.60	65,200	640.0	576.00	387.06	67,800	665.0
100	3-15/16	12-3/8	600.00	403.18	70,700	694.0	625.00	419.98	73,600	722.0

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



Polyethylene Staple Rope

PE-Staple Rope is soft on hand, easy to handle and flexible. It's hairs on the surface makes good grip at hand.

- High ultra-violet stabilization
- Applications are fish farming, lashing, and general purpose.



PE-S 3 S/T

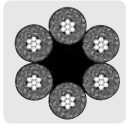
Dia		Circ.	Weight			Breaking Strength	
mm	Inch		KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
4	5/32	1/2	0.94	0.63	3.79	208	2.04
6	1/4	3/4	1.80	1.21	7.26	376	3.69
7	9/32	7/8	2.40	1.61	9.68	494	4.85
8	5/16	1	3.12	2.10	12.58	622	6.10
9	3/8	1-1/8	4.02	2.70	16.21	772	7.57
10	13/32	1-1/4	4.91	3.30	19.80	944	9.26
12	15/32	1-1/2	6.99	4.70	28.18	1,260	12.4
14	9/16	1-3/4	9.55	6.42	38.50	1,440	14.1
16	5/8	2	12.50	8.40	50.40	2,120	20.8
18	23/32	2-1/4	15.80	10.62	63.70	2,590	25.4
20	13/16	2-1/2	19.50	13.10	78.62	3,160	31.0
22	7/8	2-3/4	23.70	15.93	95.55	3,750	36.8

Dia		Circ.	Weight			Breaking Strength	
mm	Inch		KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3	28.10	18.88	113.29	4,390	43.1
26	1-1/32	3-1/4	32.90	22.11	132.65	5,150	50.5
28	1-1/8	3-1/2	38.20	25.67	154.02	5,940	58.3
30	1-3/16	3-3/4	43.90	29.50	177.00	6,820	66.9
32	1-1/4	4	50.00	33.60	201.59	7,770	76.2
36	1-7/16	4-1/2	63.10	42.40	254.41	9,820	96.3
40	1-19/32	5	77.70	52.21	313.27	12,130	119
48	1-7/8	6	112.00	75.26	451.27	17,130	168
56	2-1/4	7	153.00	102.81	616.87	23,340	229
64	2-1/2	8	200.00	134.39	806.37	30,480	299
72	2-7/8	9	252.00	169.34	1,016.02	38,640	379
80	3-5/32	10	312.00	209.66	1,257.93	47,710	468

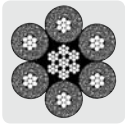
Manufactured and tested according to ISO and BSEN standard
Warning : The minimum breaking strength should never be considered as the safe working load of the rope

Combination Rope

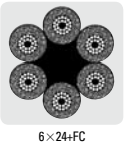
Combination Rope has the same construction as wire rope. However, each steel wire strand is covered with Superdan yarn which contributes to the rope having high tenacity with good abrasion resistance. The rope is easy to handle and secures tight knots. PP split film can substitute the Superdan cover if required. Generally the core is synthetic fiber, but if faster sinking and higher strength is required, steel wire can be substituted as the core.



Dia		Weight			Breaking Strength	
mm	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
16	29.0	19.49	116.92	4,400	43	
18	38.0	25.53	153.21	5,400	53	
20	48.5	32.59	195.54	7,000	69	
22	69.0	46.37	278.20	9,700	95	
24	81.5	54.77	328.59	11,200	110	
26	94.5	63.50	381.01	12,900	127	
28	103.0	69.21	415.28	14,000	137	
30	117.5	78.96	473.74	15,400	151	
32	133.0	89.37	536.23	17,400	171	
34	150.0	100.80	604.78	19,500	191	
36	167.0	112.22	673.32	21,800	214	



Dia		Weight			Breaking Strength	
mm	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN	
16	39.0	26.21	157.24	6,200	61	
18	51.0	34.27	205.62	7,600	75	
20	64.0	43.01	258.04	9,600	94	
22	88.0	59.13	354.80	14,300	140	
24	104.5	70.22	421.33	16,900	166	
26	121.0	81.31	487.85	19,100	187	
28	142.0	95.42	572.52	21,800	214	
30	163.0	109.53	657.19	24,900	244	
32	189.0	127.00	762.02	29,200	286	
34	218.0	146.49	878.94	33,700	331	
36	241.5	162.28	973.69	37,400	367	



Dia	W.S/T	WT					
		DAN C.PR			KU C.PR		
mm	Inch	KGS/100M	LBS/100FT	LBS/100FM	KGS/100M	LBS/100FT	LBS/100FM
16	2.00	23.5	15.79	94.75	26.0	17.47	104.83
18	2.67	34.0	22.85	137.08	36.5	24.53	147.16
20	3.33	46.0	30.91	185.46	51.5	34.61	207.64
22	4.00	62.0	41.66	249.97	69.0	46.37	278.20
24	4.67	82.0	55.10	330.61	89.5	60.14	360.85
26	5.33	105.0	70.56	423.34	112.5	75.60	453.58
28	6.00	130.5	87.69	526.15	137.5	92.40	554.38
30	6.67	158.5	106.51	639.05	166.5	111.88	671.30
32	7.33	188.0	126.33	757.98	196.5	132.04	792.26
34	8.00	219.5	147.50	884.99	228.5	153.55	921.27
36	8.67	255.5	171.69	1,030.13	265.0	178.07	1,068.44



Polyethylene Rope

Polyethylene rope has positive buoyancy(floats) but is slightly heavier than polypropylene rope. Tensile remains the same dry or wet. Commonly used in commercial fishing and industrial applications.



PE-S 3 S/T

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
4	5/32	1/2	0.81	0.54	3.27	200	1.96
5	3/16	5/8	1.26	0.85	5.08	280	2.72
6	1/4	3/4	1.82	1.22	7.34	400	3.92
7	9/32	7/8	2.50	1.68	10.08	540	5.25
8	5/16	1	3.27	2.20	13.18	700	6.86
9	3/8	1-1/8	3.97	2.67	16.01	900	8.83
10	13/32	1-1/4	4.90	3.29	19.76	1,100	10.7
11	7/16	1-3/8	6.10	4.10	24.59	1,300	12.7
12	15/32	1-1/2	7.20	4.84	29.03	1,500	15.1
13	1/2	1-5/8	8.20	5.51	33.06	1,800	17.7
14	9/16	1-3/4	9.50	6.38	38.30	2,100	20.5
16	5/8	2	12.8	8.60	51.61	2,800	27.5
18	23/32	2-1/4	16.1	10.82	64.91	3,500	34.0
19	3/4	2-3/8	18.1	12.16	72.98	3,880	37.8
20	13/16	2-1/2	20.0	13.44	80.64	4,300	41.9
22	7/8	2-3/4	24.3	16.33	97.97	5,100	49.8
24	15/16	3	29.5	19.82	118.94	6,100	59.8
25	1	3-1/8	30.3	20.36	122.16	6,400	62.8
26	1-1/32	3-1/4	32.8	22.04	132.24	6,900	68.0
28	1-1/8	3-1/2	39.3	26.41	158.45	8,200	80.5
30	1-3/16	3-3/4	46.0	30.91	185.46	9,500	93.0
32	1-1/4	4	52.5	35.28	211.67	10,700	105.0
34	1-11/32	4-1/4	58.9	39.58	237.48	12,000	118.0
36	1-7/16	4-1/2	66.0	44.35	266.10	13,500	132.0

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
38	1-1/2	4-3/4	70.8	47.58	285.45	14,700	144.4
40	1-19/32	5	78.5	52.75	316.50	16,300	160.0
42	1-21/32	5-1/4	86.6	58.19	349.16	17,900	175.4
44	1-3/4	5-1/2	95.0	63.84	383.02	19,600	192.5
45	1-13/16	5-5/8	101.1	67.94	407.62	20,000	196.9
48	1-7/8	6	115.0	77.28	463.66	22,800	224.0
50	2	6-1/4	125.0	84.00	503.98	24,400	239.5
52	2-1/16	6-1/2	135.0	90.72	544.30	26,400	259.0
55	2-5/32	6-7/8	151.4	101.74	610.42	29,300	287.4
56	2-1/4	7	157.0	105.50	633.00	30,400	298.0
60	2-3/8	7-1/2	180.0	120.96	725.73	34,500	338.0
64	2-1/2	8	205.0	137.75	826.53	39,000	383.0
65	2-9/16	8-1/16	211.0	142.12	852.73	40,200	392.0
70	2-3/4	8-11/16	244.8	164.50	986.99	46,300	454.6
72	2-7/8	9	259.0	174.04	1,044.25	49,000	481.0
75	3	9-1/4	282.0	189.50	1,136.98	53,000	520.0
80	3-5/32	10	321.0	215.70	1,294.22	60,300	592.0
85	3-3/8	10-1/2	362.0	243.25	1,459.52	67,600	663.2
88	3-7/16	11	388.0	260.73	1,564.35	72,500	711.0
90	3-9/16	11-1/8	405.8	272.69	1,636.12	75,800	736.0
95	3-3/4	11-3/4	451.4	303.33	1,819.97	83,600	820.0
96	3-13/16	12	461.0	309.78	1,858.68	85,400	838.0
100	3-15/16	12-3/8	500.2	336.12	2,016.72	92,700	909.4

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

DSR promises to keep improving customer service and delivery standards.

Always Together With Customers.

Mussel Hanging Rope

- Application : Mussel farms
- High abrasion resistance & high strength
- UV stabilizer treated
- Designed to have maximum surface area in unit length to help mussels stick to the ropes easily
- Lead core helps the rope to sink and hang vertically



Mussel Hanging Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
9	3/8	1-1/8	4.00	2.69	16.13	820	8.04
10	13/32	1-1/4	5.00	3.36	20.16	1,000	9.80
12	15/32	1-1/2	7.00	4.70	28.22	1,300	12.75
14	9/16	1-3/4	10.00	6.72	40.32	1,800	17.65
16	5/8	2	13.00	8.74	52.41	2,300	22.56
18	23/32	2-1/4	16.00	10.75	64.51	2,800	27.46
20	13/16	2-1/2	19.50	13.10	78.62	3,500	34.33

Mussel Hanging Lead Core Rope

Dia		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
9	3/8	1-1/8	8.00	5.38	32.25	820	8.04
10	13/32	1-1/4	10.65	7.16	42.94	1,000	9.80
12	15/32	1-1/2	14.90	10.01	60.07	1,300	12.75
14	9/16	1-3/4	21.75	14.62	87.69	1,800	17.65
16	5/8	2	28.30	19.02	114.10	2,300	22.56
18	23/32	2-1/4	34.80	23.38	140.31	2,800	27.46
20	13/16	2-1/2	42.40	28.49	170.95	3,500	34.33

SuperMax® RoundSling

SuperMax® Round Sling is made of Ultra High Molecular Weight Polyethylene(UHMWPE) yarn covered by durable nylon cover to make high performance lifting round slings. While designed SuperMax® Round Sling, our goal was lightest lifting gear with higher breaking strength of wire rope. DSR used our long experience of designed and manufacturing know-how's to make SuperMax® Round Sling with low elongation while it is stronger than wire rope with less than 10% weight of wire rope. Low elongation of SuperMax® Round Sling makes lifting job much easier and safer. Low elongation enables very lash back. Also, SuperMax® Round Sling is very stable when used with hook, and you can avoid rotating problem of wire rope slings.

Mark Specifications

S.W.L (Safety Working Load) (KG)	Working Load Limits					Safety Factor 7:1 Breaking Strength (KG)
	Vertical	Choker	45°	60°	Basket	
1,000	1,000	800	1,400	1,000	2,000	7,000
2,000	2,000	1,600	2,800	2,000	4,000	14,000
3,000	3,000	2,400	4,200	3,000	6,000	21,000
4,000	4,000	3,200	5,600	4,000	8,000	28,000
5,000	5,000	4,000	7,000	5,000	10,000	35,000
6,000	6,000	4,800	8,400	6,000	12,000	42,000
8,000	8,000	6,400	11,200	8,000	16,000	56,000
10,000	10,000	8,000	14,000	10,000	20,000	70,000
15,000	15,000	12,000	21,000	15,000	30,000	105,000
20,000	20,000	16,000	28,000	20,000	40,000	140,000
25,000	25,000	20,000	35,000	25,000	50,000	175,000
30,000	30,000	24,000	42,000	30,000	60,000	210,000
35,000	35,000	28,000	49,000	35,000	70,000	245,000
40,000	40,000	32,000	56,000	40,000	80,000	280,000

SuperMax® Round Specifications

S.W.L (Safety Working Load) (KG)	Working Load Limits					Safety Factor 6:1 Breaking Strength (KG)
	Vertical	Choker	45°	60°	Basket	
1,000	1,000	800	1,400	1,000	2,000	6,000
2,000	2,000	1,600	2,800	2,000	4,000	12,000
3,000	3,000	2,400	4,200	3,000	6,000	18,000
4,000	4,000	3,200	5,600	4,000	8,000	24,000
5,000	5,000	4,000	7,000	5,000	10,000	30,000
6,000	6,000	4,800	8,400	6,000	12,000	36,000
8,000	8,000	6,400	11,200	8,000	16,000	48,000
10,000	10,000	8,000	14,000	10,000	20,000	60,000
15,000	15,000	12,000	21,000	15,000	30,000	90,000
20,000	20,000	16,000	28,000	20,000	40,000	120,000
25,000	25,000	20,000	35,000	25,000	50,000	150,000
30,000	30,000	24,000	42,000	30,000	60,000	180,000
35,000	35,000	28,000	49,000	35,000	70,000	210,000
40,000	40,000	32,000	56,000	40,000	80,000	240,000

Comparison of SuperMax® Round Sling and Wire Rope Sling

	SuperMax® Round Sling	Steel Wire Rope Sling
Weight	1/10 of wire rope of same breaking strength. Light weight enables easy installing and handling of sling, and higher productivity of lifting job.	Because of heavy weight, it's very difficult to move and install the slings. Heavy wire rope sling can cause back pain of the users.
Stability	Do not damage the material to be lifted. Positioning is fast and easy. Can tighten up the material to avoid slip while lifting the products.	Can hurt the material to be lifted. Positioning is slow and difficult.
Durability	Durable against chemical contacts. Because of the flexibility, it bending ratio can be far smaller.	Easy to get rusted against acid or alkali. Because of stiffness, broken wire can occur unless extra care is taken.
Storability	Only small storage space is required because of its flexibility.	Large and dry storage space is required.
Economical Value	High initial investment cost. However, higher productivity, longer service life, easier handling and storage result in low total operating costs.	Low initial cost. However, more manpower and heavier equipments to move, install, and lift are required. Total operating cost is high.

SuperMax® Jacket Sling

SuperMax® Round Sling is covered with the jacket to protect the inside of ropes and prevent damaging.



SuperGuard

SuperGuard as method of perfect protection could be applied to SuperMax Rope as well as SuperMax Roundsling. SuperGuard will prevent SuperMax Rope as well as SuperMax Roundsling from abrasion and the life time of ropes and sling will be longer with perfection.

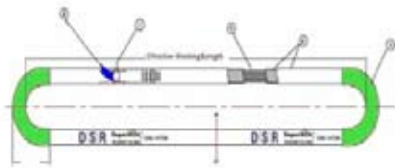
- SuperGuard-SW2
- SuperGuard-AW2
- SuperGuard-SAW
- SuperGuard-SNW
- SuperGuard-NW2



Safety Self-Check Sling

Safety Self-Check sling with Ultra High Molecular Weight Polyethylene(UHMWPE) could check the life time of SuperMax Round Sling.

- Melting Point : 150°C
- Temperature Range for USE : -40°C to 70°C
- Elongation at Break : 4 ~ 5%
- Specific Gravity : 0.97 (Float)
- Water Proportion : None (Wet strength equals Dry strength)
- Strongest fiber rope, maximum strength to weight ratio and strength comparable to steel wire rope.



RoundSlings

Feature and Merits

- Make the best use of high tenacity polyester yarn’s breaking strength with reinforced polyester tube covers
- Better breaking strength than conventional web-sling with less weight
- Take less volume than web-sling
- Easy handling and stocking with superior flexibility
- No damage on the surface of lifting goods

Safety Factor 7 : 1

Color	S.W.L (TON)	Working Load Limits					Safety Factor 7 : 1 Breaking Strength (KG)
		Straight Pull	Choker Hitch	Basket Pull	Basket 90°	Basket 120°	
VIOLET	1TON	1,000Kgs	800Kgs	2,000Kgs	1,400Kgs	1,000Kgs	7,000Kgs
GREEN	2	2,000	1,600	4,000	2,800	2,000	14,000
YELLOW	3	3,000	2,400	6,000	4,200	3,000	21,000
GREY	4	4,000	3,200	8,000	5,600	4,000	28,000
RED	5	5,000	4,000	10,000	7,000	5,000	35,000
BROWN	6	6,000	4,800	12,000	8,400	6,000	42,000
BLUE	8	8,000	6,400	16,000	11,200	8,000	56,000
ORANGE	10	10,000	8,000	20,000	14,000	10,000	70,000



■ S.W.L : Safety Working Load



Super Web™ (Webbings)

Webbing are manufactured from the highest quality durable polyester and nylon fibers. DSR webbings are designed for strength, excellent abrasion resistance and minimized elongation. Webbings are available in a variety of tensile strengths for various applications.

Grade Width	B/S(Kgs)		
	SL I	SL II	SL III
25mm	4,400Kgs	4,000Kgs	3,200Kgs
50mm	8,800	8,000	6,400
75mm	13,200	12,000	9,600
100mm	17,600	16,000	12,800
125mm	22,000	20,000	16,000
150mm	26,400	24,000	19,200
200mm	35,200	32,000	25,600
250mm	44,000	40,000	32,000
300mm	52,800	48,000	38,400

Grade Width	B/S(Kgs)		
	LS I	LS II	LS III
25mm	3,000Kgs	2,800Kgs	2,200Kgs
50mm	6,000	5,600	4,400
75mm	9,000	8,400	6,600
100mm	12,000	11,200	8,800

■ DSR webbing can incorporate your company logo or letter code.

Several various types of webbings according to use

- Straps
- Lashing Webbings
- Sling Webbings

Super Web™ is available in several different colors and sizes according to use. Super Web™ is dyed with either the pigment or thermal method.



Super Sling®

Our products are “CE”mark proven by Lloyd’s Register. The “CE”mark can be obtained only when the manufacturer of supplier conforms to the health and safety requirements of Machinery Directive 89/392/EEC which is very difficult to follw as it is strictly controlled its founder E.U.

- Light weight and excellent flexibility allow safer and easier handling of your valuable products
- Slings are not slippery
- High resistance to chemical and oil contamination
- Various sizes available for every application
- Custom made slings for specific applications can be made to customer specifications
- Special treatment gives excellent resistance to surface abrasion
- Various color are available
- Quality is maintained through constant research
- Special stampings can be applied to the web surface
- Due to strong & high tenacity materials being used in the manufacture, working life of our super sling are dramatically extended, reducing bottom line cost



Safety Factor 7 : 1

DS-1 (Eye to Eye Double Ply Sling)

Color	S.W.L (TON)	Working Load Limits					MIN B/S
		Straight Pull	Choker Hitch	Basket Pull	Basket 90°	Basket 120°	
VIOLET	1TON	1,000Kgs	800Kgs	2,000Kgs	1,400Kgs	1,000Kgs	7,000Kgs
GREEN	2	2,000	1,600	4,000	2,800	2,000	14,000
YELLOW	3	3,000	2,400	6,000	4,200	3,000	21,000
GREY	4	4,000	3,200	8,000	5,600	4,000	28,000
RED	5	5,000	4,000	10,000	7,000	5,000	35,000
BROWN	6	6,000	4,800	12,000	8,400	6,000	42,000
BLUE	8	8,000	6,400	16,000	11,200	8,000	56,000
ORANGE	10	10,000	8,000	20,000	14,000	10,000	70,000
ORANGE	12	12,000	9,600	24,000	16,800	12,000	84,000



■ S.W.L : Safety Working Load

DS-2 (Endless Single Ply Sling)

Color	S.W.L (TON)	Working Load Limits					MIN B/S
		Straight Pull	Choker Hitch	Basket Pull	Basket 90°	Basket 120°	
VIOLET	1TON	1,000Kgs	800Kgs	2,000Kgs	1,400Kgs	1,000Kgs	7,000Kgs
GREEN	2	2,000	1,600	4,000	2,800	2,000	14,000
YELLOW	3	3,000	2,400	6,000	4,200	3,000	21,000
GREY	4	4,000	3,200	8,000	5,600	4,000	28,000
RED	5	5,000	4,000	10,000	7,000	5,000	35,000
BROWN	6	6,000	4,800	12,000	8,400	6,000	42,000
BLUE	8	8,000	6,400	16,000	11,200	8,000	56,000
ORANGE	10	10,000	8,000	20,000	14,000	10,000	70,000
ORANGE	12	12,000	9,600	24,000	16,800	12,000	84,000



■ Also available in 2 and 3 ply construction upon request

Safety Factor 6 : 1

DS-1 (Eye to Eye Double Ply Sling)

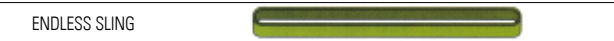
Color	S.W.L (TON)	Working Load Limits					MIN B/S
		Straight Pull	Choker Hitch	Basket Pull	Basket 90°	Basket 120°	
VIOLET	1TON	1,000Kgs	800Kgs	2,000Kgs	1,400Kgs	1,000Kgs	6,000Kgs
GREEN	2	2,000	1,600	4,000	2,800	2,000	12,000
YELLOW	3	3,000	2,400	6,000	4,200	3,000	18,000
GREY	4	4,000	3,200	8,000	5,600	4,000	24,000
RED	5	5,000	4,000	10,000	7,000	5,000	30,000
BROWN	6	6,000	4,800	12,000	8,400	6,000	36,000
BLUE	8	8,000	6,400	16,000	11,200	8,000	48,000
ORANGE	10	10,000	8,000	20,000	14,000	10,000	60,000
ORANGE	12	12,000	9,600	24,000	16,800	12,000	72,000



■ S.W.L : Safety Working Load

DS-2 (Endless Single Ply Sling)

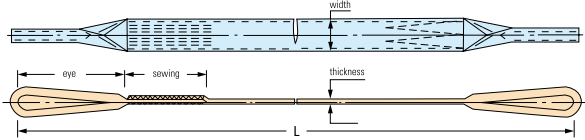
Color	S.W.L (TON)	Working Load Limits					MIN B/S
		Straight Pull	Choker Hitch	Basket Pull	Basket 90°	Basket 120°	
VIOLET	1TON	1,000Kgs	800Kgs	2,000Kgs	1,400Kgs	1,000Kgs	6,000Kgs
GREEN	2	2,000	1,600	4,000	2,800	2,000	12,000
YELLOW	3	3,000	2,400	6,000	4,200	3,000	18,000
GREY	4	4,000	3,200	8,000	5,600	4,000	24,000
RED	5	5,000	4,000	10,000	7,000	5,000	30,000
BROWN	6	6,000	4,800	12,000	8,400	6,000	36,000
BLUE	8	8,000	6,400	16,000	11,200	8,000	48,000
ORANGE	10	10,000	8,000	20,000	14,000	10,000	60,000
ORANGE	12	12,000	9,600	24,000	16,800	12,000	72,000



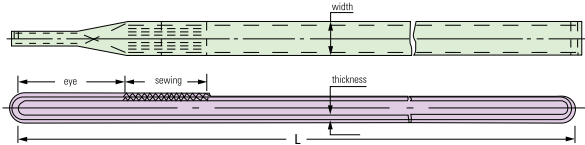
■ Also available in 2 and 3 ply construction upon request

Standard Products

DS-1 Type(2 ply)



DS-2 Type(2 ply)

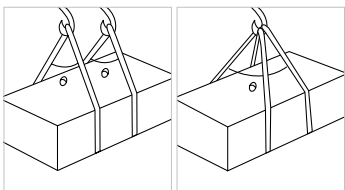


Eye Types

- 1. Flat eye
- 2. Reversed eye
- 3. Folded eye 1/2 width from 1 side
- 4. Folded eye 1/2 width from 2 sides
- 5. Folded eye 1/3 width

Safety Working Load According to Angle

0°	30°	45°	60°	90°	120°
100%	95%	90%	85%	70%	50%



Please choose most proper sling of adequate length and breaking load for the weight and shape of transported goods.(The bigger the angle of sling is, the less the maximum working load is.)

Relation Between Damage and Strength

Crosswise damage on surface

Extent of Damage	Remaining Strength(%)
1/5 damaged	50
1/3 damaged	40
1/2 damaged	30

Damage and horizontally inward

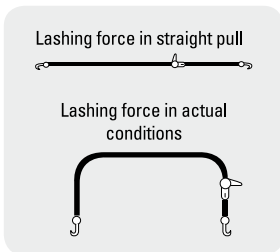
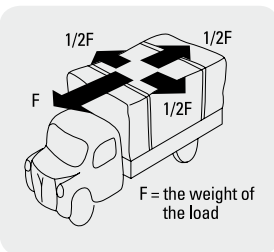
Extent of Damage	Remaining Strength(%)
1/3 damaged	60
1/2 damaged	40
2/3 damaged	30

Lashing Systems

DSR's lashing webbings are produced from controlled tenacity polyester yarns. Metal components are selected to suit lashing webbings and meet international standards.



DSR's lashing systems for professional use.
25mm 400kg up to 100mm 10,000kg

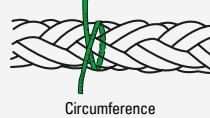
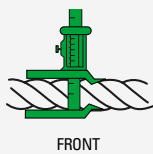


The load must be restraint, so that the national requirements of each country concerning multidirectional lashings are fulfilled.

HOW TO ORDER An order and inquiry for DSR Corp should be accompanied by the following information.

Fiber Rope

- 1. Kind of fiber
SuperMax®, Polyethylene, Polypropylene, Nylon, Vinylon(Kuralon), Polyester, Polydacron, Others.
- 2. Number of Strands : 3Strands, 4Strands, 6Strands, 8Strands, 12Strands
- 3. Size : Diameter, Circumference, Number of Ply.
- 4. Direction of Twist
"Z" Twist "S" Twist



- 5. Degree of Twist : Soft, Medium, Hard, Extra Hard
- 6. Length : Meter, Foot, Yard, Fathom
- 7. Color : Any color is available
- 8. Put-up : Coil, Reel(Spool)
- 9. Packing and Marking etc.(i.e. Bale, Carton, Reel)

Super Slings

Kind of fiber : Nylon, Polyester

Type	S.W.L	Length	Quantity	Design Factor
DS-1	2Ton	5MTR	500PCS	S/F ▶ 7:1
(Special orders except DS-1 and DS-2 are available for specific working load and use.)				

Super Web(Webbing)

Kind of fiber : Nylon, Polyester

Width	Length	Quantity
50mm	100m	50Coils x (B/S Grade)
(Standard coil packing length : 100MTR & Bulk packing : 200KG ± 10KG / Carton)		

SuperMax® Round Sling Round Sling

Kind of fiber : UHMWPE, Polyester

S.W.L	Length	Quantity	Design Factor
2Ton	5MTR	500PCS	S/F ▶ 7:1

Lashing Systems

WLL Capacity, Width, Length(Long Part), Rachet Type, Hook Type, Color etc.

Cautions

- 1. Please check the damage on the rope before use and handle it carefully to avoid any damage while using the rope. The life of the rope may vary depending on the load, method and conditions, so please choose proper rope for your purpose.
- 2. Please pay attention to the binding direction when untying the rope to avoid distortion. 'Z' tying should be untied counterclockwise and 'S' tying should be untied clockwise.
- 3. Please observe the load limit for safety on the rope and apply the type of the rope and safety rate considering the working method and condition. Please do not work under the rope. Be cautious of sudden impact.
- 4. When you use the rope around sharp edges, it may be damaged by the sharp edges. Please use protective device on the sharp edges.
- 5. When you connect the ropes, the l-processing should be accurate. Ex) 8 S/T rope: 4 projections and above
- 6. Please keep the rope away from the heat or flame to avoid any damage including reduced strength. Please keep it in the place to avoid heat deterioration.
- 7. When you expose the rope to the sunlight for a long time, it can accelerate the strength reduction and aging. Please keep it under the safe place.
- 8. The rope once used may be deteriorated by the impurities such as oil and water during its storage. So, please remove the impurities. In addition, the nylon rope may be hardened by water or moisture to result in inconvenience for handling. So, please be cautious of storing the rope.



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