1604-1000 Rev. 9

DSR CORP

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Total Rope Solutions

Fiber Rope

D|S|R in association with customers

COMPANY WORKING WITH CUSTOMERS

DSR is committed to our customers' needs, and we will always place our customers' considerations before our own. Our customer care and manufacturing divisions have been structured to honor this commitment, bringing together best systems and quality products for customer satisfaction. Our goal is to keep our customers satisfied products and services.

VISION

To create value for the customer based on respect, sincerity, and consistency We shall walk with the customer with an eye towards the future that will bring value growth for our customers

QUALITY ASSURANCE SYSTEM

DSR is striving to reach the perfection of the quality. To achieve this goal, we have in-place quality assurance system, under which we reach the requirements of ISO 9001, TS16949, CE, KS, JIS, Lloyd's, ABS, DNV, NK, CCS, API, BV certificates and more.

TOTAL SOLUTIONS! DSR

We produce and sales in whole categories of rope and wire industry(steel, stainless, fiber). With us, you don't have to waste your time to find what you want. Also we are providing the fastest business services and after services to meet the satisfaction of your convenience.

MAINTAINING PERFECT PRODUCT QUALITY SYSTEM

DSR products quality is still on improving, by running individual R&D facilities. We have got certification of ISO 9001, TS16949, permission of marking JIS and CE mark, admission of factory from classifications, such as KR, LLOYD'S, ABS, DNV, BV, CCS, API, GL.

PURSUING ENDLESS INNOVATION

DSR has founded technical laboratory individually, to develop our unique Fiber, High carbon steel wire & wire rope, and also for Stainless wire & wire rope. Through this innovative mind, we create and guarantee our technology of wire rope and stainless steel wire.(KR, KS, ISO 9001, TS16949 Certificated)

YOU CAN MEET DSR OVER THE WORLD

Items from DSR have been widely recognized so that you can meet DSR in hundreds of country through the five oceans and the six continents as we encourage our brand power.

LEADING THE INDUSTRY

With 50 years long carrier, DSR posses high quality certification in fiber, wire and wire rope industry, such as TS16949, ISO 9001, KS, KR, API, LLOYD'S, ABS, BV, DNV, CCS, GL. By developing special items, we always considerate to meet customer's satisfaction, and drawing DSR into world wide and into your mind.

Combining the world's best wire, rope and sling manufacturer with a happy and prosperous customer base will create a bright future for us all. All at DSR look forward to working with you, and trust that we can serve you well.

The Best Custom Boat Lines
DenverRope.com
303-809-7274
John@DenverRope.com

DENVER ROPE

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30 Polyethylene Rope

SuperMax® Rope

SuperMax® is ultra high molecular weight polyethylene(UHMWPE) fiber braided rope utilizing DSR's proprietary rope design and manufacturing expertise. SuperMax® commands the highest tensile strength per weight. SuperMax® is stronger than steel wire rope of same diameter, and it weighs only 1/8 of the weight of steel wire rope. SuperMax® is treated with DSR's unique coating process and special heat treatment process that enhances its anti-abrasion characteristics.

SuperMax® 12-S/T Rope

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Ton	kN	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	42	1-21/32	5-1/4	93.0	62.49	374.94	140.0	1373.4
8	5/6	1	3.9	2.62	15.72	6.7	65.7	44	1-3/4	5-1/2	102.0	68.54	411.24	152.0	1491.1
10	13/32	1-1/8	5.9	3.96	23.76	10.8	105.9	46	1-13/16	5-5/8	111.0	74.59	447.54	165.0	1618.6
12	15/32	1-1/2	9.5	6.38	38.28	16.5	161.9	48	1-7/8	6	121.0	81.31	487.86	179.0	1755.9
14	9/16	1-3/4	12.8	8.60	51.60	22.0	215.8	50	2	6-1/4	131.0	88.03	528.18	193.0	1893.3
16	5/8	2	16.0	10.75	64.50	27.5	269.8	52	2-1/16	6-1/2	141.0	94.75	568.50	206.0	2020.8
18	23/32	2-1/4	20.8	13.98	83.88	35.0	343.3	56	2-1/4	7	163.0	109.53	657.18	236.0	2315.1
20	13/16	2-1/2	25.5	17.14	102.84	41.5	407.1	60	2-3/8	7-1/2	175.0	117.59	705.54	252.0	2472.0
22	7/8	2-3/4	30.5	20.50	123.00	50.0	490.5	64	2-1/2	8	200.0	134.39	806.34	282.0	2766.3
24	15/16	3	35.8	24.06	144.36	58.0	569.0	68	2-11/16	8-1/2	226.0	151.86	911.16	316.0	3099.9
26	1-1/32	3-1/4	41.0	27.55	165.30	66.0	647.4	72	2-7/8	9	254.0	170.68	1024.08	348.0	3413.8
28	1-1/8	3-1/2	46.5	31.25	187.50	74.0	725.9	80	3-5/32	10	313.0	210.32	1261.92	422.0	4139.7
30	1-3/16	3-3/4	52.0	34.94	209.64	81.5	799.5	88	3-7/16	11	379.0	254.74	1528.44	503.0	4934.3
32	1-1/4	4	57.0	39.30	235.80	88.5	868.2	96	3-13/16	12	451.0	303.05	1818.30	588.0	5768.1
34	1-11/32	4-1/4	62.5	42.00	252.00	96.0	941.7	104	4-1/8	13	535.0	359.50	2157.02	690.0	6768.9
36	1-7/16	4-1/2	68.0	45.69	274.14	104.0	1020.2	112	4-7/16	14	607.0	407.89	2447.31	780.0	7651.8
38	1-1/2	4-3/4	74.0	49.73	298.38	112.0	1098.7	120	4-3/4	15	705.0	473.74	2842.43	900.0	8829.0
40	1-19/32	5	84.0	56.45	338.70	127.0	1245.8								

- Manufactured and tested according to ISO and BSEN standard
- Other sizes are available upon request (Maximum production size – Dia.300mm)
- Warning : The minimum breaking strength should never be considered as the safe working load of the rope

[Material&Properties]

- Melting Point : 150℃
- Specific Gravity : 0.97(Float)
- Elongation at Break : 4 ~ 5%
- Water Absorption : None
- UV resistance : Good

[Characteristics]

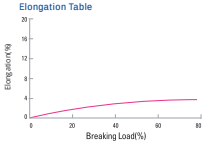
- Maximum strength to weight ratio, and strength comparable to steel wire rope
- Lowest elongation
- Longer life, and easy handling
- Superior abrasion resistance
- Non-kinking, and non-rotational
- Easy to splice

[Applications]

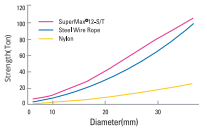
- Mooring Lines
- Anchor Lines
- Lifting Sling & Nets
- Towing Rope
- Heaving Rope
- Tug Rope

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

Elongation Table



Breaking Strength



SuperMax®78 Rope

SuperMax®78 enhanced rope is a combination of ultra high molecular weight polyethylene(UHMWPE) fiber braided rope, incorporating DSR's proprietary rope design and manufacturing precision. SuperMax®78 enhanced rope has the highest tensile strength per weight of any rope. SuperMax®78 rope is stronger than steel wire rope of the same diameter, and it weighs only 1/8 of the weight of steel wire rope. SuperMax®78 rope is treated with DSR's unique coating process and special heat treatment process that enhances its anti-abrasion characteristics. Permanent extension or fracture could occur when normal HMPE ropes are continuously loaded, creep occurs. SuperMax®78 12-Strand rope has been developed for applications where creep could be problem. SuperMax®78 was especially developed for Mooring Lines for MODU and high temperature zone applications.

SuperMax®78 Rope 12-S/T Rope

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Ton	kN	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	42	1-21/32	5-1/4	93.0	62.49	374.94	140.0	1373.4
8	5/6	1	3.9	2.62	15.72	6.7	65.7	44	1-3/4	5-1/2	102.0	68.54	411.24	152.0	1491.1
10	13/32	1-1/8	5.9	3.96	23.76	10.8	105.9	46	1-13/16	5-5/8	111.0	74.59	447.54	165.0	1618.6
12	15/32	1-1/2	9.5	6.38	38.28	16.5	161.9	48	1-7/8	6	121.0	81.31	487.86	179.0	1755.9
14	9/16	1-3/4	12.8	8.60	51.60	22.0	215.8	50	2	6-1/4	131.0	88.03	528.18	193.0	1893.3
16	5/8	2	16.0	10.75	64.50	27.5	269.8	52	2-1/16	6-1/2	141.0	94.75	568.50	206.0	2020.8
18	23/32	2-1/4	20.8	13.98	83.88	35.0	343.3	56	2-1/4	7	163.0	109.53	657.18	236.0	2315.1
20	13/16	2-1/2	25.5	17.14	102.84	41.5	407.1	60	2-3/8	7-1/2	175.0	117.59	705.54	252.0	2472.0
22	7/8	2-3/4	30.5	20.50	123.00	50.0	490.5	64	2-1/2	8	200.0	134.39	806.34	282.0	2766.3
24	15/16	3	35.8	24.06	144.36	58.0	569.0	68	2-11/16	8-1/2	226.0	151.86	911.16	316.0	3099.9
26	1-1/32	3-1/4	41.0	27.55	165.30	66.0	647.4	72	2/7/8	9	254.0	170.68	1024.08	348.0	3413.8
28	1-1/8	3-1/2	46.5	31.25	187.50	74.0	725.9	80	3-5/32	10	313.0	210.32	1261.92	422.0	4139.7
30	1-3/16	3-3/4	52.0	34.94	209.64	81.5	799.5	88	3-7/16	11	379.0	254.74	1528.44	503.0	4934.3
32	1-1/4	4	57.0	39.30	235.80	88.5	868.2	96	3-13/16	12	451.0	303.05	1818.30	588.0	5768.1
34	1-11/32	4-1/4	62.5	42.00	252.00	96.0	941.7	104	4-1/8	13	535.0	359.50	2157.02	690.0	6768.9
36	1-7/16	4-1/2	68.0	45.69	274.14	104.0	1020.2	112	4-7/16	14	607.0	407.89	2447.31	780.0	7651.8
38	1-1/2	4-3/4	74.0	49.73	298.38	112.0	1098.7	120	4-3/4	15	705.0	473.74	2842.43	900.0	8829.0
40	1-19/32	5	84.0	56.45	338.70	127.0	1245.8								

- Manufactured and tested according to ISO and BSEN standard
- Other sizes are available upon request (Maximum production size – Dia.300mm)
- Warning : The minimum breaking strength should never be considered as the safe working load of the rope

[Material&Properties]

- DSM Dyneema SK 78
- Melting Point : 150 ℃
- Specific Gravity : 0.97(Float)
- Elongation at Break(new) : 4 ~ 5%
- Water Absorption : None
- UV resistance : Good

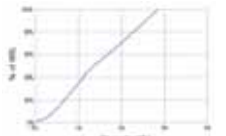
[Characteristics]

- 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 anti-kinking
- Easy to splice
- Better creep resistance(compare to SK75)

[Applications]

- Ship Mooring Lines
- Anchor Lines (For MODU)
- Ship yard Mooring Line (Summer zone area)
- Towing & Tug Line

Load VS Elongation



Tested in accordance to ISO2307 ; 2010 Fibre ropes-Determination of certain physical and mechanical properties

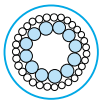
[Creep Property]

Fiber	Tenacity	Modulus	Applied Load	Temp.	Creep Rate
SK 75	3.4 GPa	110 GPa	10% BL	23 ℃	0.2% /week
SK 78	3.4 GPa	110 GPa	10% BL	23 ℃	0.2% /month

* 20℃ temperature increase : factor 10 higher creep rate
* load reduction by factor 0.6 : factor 10 lower creep rate

New SuperMax® Plus Rope

New SuperMax® Plus Rope consists of SuperMax(UHMWPE) braided inside core rope, combined with a Polyester fiber braided jacket. This combination offers the maximum non-rotating and anti-kinking properties while maintaining superior strength than standard 12 S/T braided rope. The braided jacket provides superior abrasion resistance that maintains the rope's circular shape and protects the core from foreign matter. New SuperMax® Plus Rope is made of specialized polyester fiber(outside (PET cover) + inside (HMPE)). This optimized ship based mooring rope was developed in cooperation with winch manufacturers and shipping companies. This item overcomes the inherent of standard HMPE ropes, such as damage from mooring winch tension drums, fairlead & chocks. Surface damage is also minimized with our unique jacket.



New SuperMax® Plus Rope 12-S/T

Dia		Circ	Weight		Breaking Strength		Dia		Circ	Weight		Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN	mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN
16	5/8	2	16	10.75	16	157	48	1-7/8	6	150	100.8	165	1,619
18	23/32	02.1.4	21	14.11	22	215.8	50	2	6-1/4	174	116.9	180	1,766
20	13/16	02.1.2	26.5	17.81	28	274.7	52	2-1/16	6-1/2	183	123	195	1,913
22	7/8	2-3/4	31	20.83	35	343.4	56	2-1/4	7	218	146.5	230	2,256
24	15/16	3	36.5	24.53	43	421.8	60	2-3/8	7-1/2	239	160.6	263	2,580
25	1	3-1/8	46.5	31.25	46	451.3	64	2-1/2	8	291	195.5	308	3,021
26	1-1/32	3-1/4	49.1	32.99	54	529.7	68	02.11.16	8-1/2	316	212.3	345	3,384
28	1-1/8	3-1/2	60.0	40.32	63	618.0	72	2-7/8	9	344	231.2	380	3,728
30	1-3/16	3-3/4	63.4	42.60	68	667.1	76	3	9-3/8	406	272.8	429	4,208
32	1-1/4	4	74.0	49.73	74	725.9	80	3-5/32	10	429	288.3	458	4,493
34	1-11/32	4-1/4	80.4	54.03	84	824.0	88	3-7/16	11	524	352.1	540	5,297
36	1-7/16	4-1/2	85.9	57.72	93	912.3	96	3-13/16	12	579	389.1	626	6,141
38	1-1/2	4-3/4	103.5	69.55	102	1,001	104	4-1/8	13	674	452.9	745	7,308
40	1-19/32	5	110.0	73.92	114	1,118	112	4-7/16	14	731	491.2	833	8,172
42	1-21/32	5-1/4	128.0	86.01	127	1,246	120	4-3/4	15	841	565.1	955	9,369
44	1-3/4	5-1/2	133.0	89.37	135	1,324							

- 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&Properties]

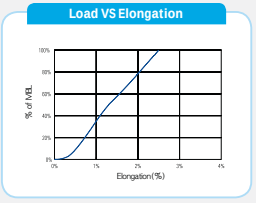
- Material : Inside : UHMWPE(Dyneema) / Outside : Polyester
- Melting Point : Inside : 150 ℃ / Outside : 265 ℃
- Specific Gravity : 1.0 ~ 1.2
- Elongation at Break(new) : 4 ~ 5%
- UV resistance : Good

[Characteristics]

- High Strength
- Lowest elongation
- Wet strength equals dry strength
- Non-kinking, and anti-kinking

[Applications]

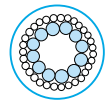
- Ship Mooring Lines
- Ship yard Mooring Line
- Pulling Line



Tested in accordance to ISO2307 ; 2010 Fibre ropes-Determination of certain physical and mechanical properties

SuperMax® 78 Plus Rope

SuperMax®78 Plus Rope consists of SuperMax(UHMWPE) braided inside core rope, combined with a Polyester fiber braided jacket. This combination offers the maximum non-rotating and anti-kinking properties while maintaining higher strength than standard12 S/T braided rope. The braided jacket provides superior abrasion resistance that maintains the rope's circular shape and protects the core from foreign matter. Permanent extension or fracture could occur when standard HMPE ropes are continuously loaded, creep occurs. SuperMax®78 rope has been developed for applications where creep could be problem. SuperMax®78 was especially developed for Mooring Lines for MODU and high temperature zone applications.



SuperMax® 78 Plus Rope

Dia		Circ	Weight		Breaking Strength		Dia		Circ	Weight		Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN	mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN
16	5/8	2	16.0	10.75	16	157.0	48	1-7/8	6	150.0	100.8	165	1,619
18	23/32	2-1/4	21.0	14.11	22	215.8	50	2	6-1/4	174.0	116.9	180	1,766
20	13/16	2-1/2	26.5	17.81	28	274.7	52	2-1/16	6-1/2	183.0	123.0	195	1,913
22	7/8	2-3/4	31.0	20.83	35	343.4	56	2-1/4	7	218.0	146.5	230	2,256
24	15/16	3	36.5	24.53	43	421.8	60	2-3/8	7-1/2	239.0	160.6	263	2,580
25	1	3-1/8	46.5	31.25	46	451.3	64	2-1/2	8	291.0	195.5	308	3,021
26	1-1/32	3-1/4	49.1	32.99	54	529.7	68	2-11/16	8-1/2	316.0	212.3	345	3,384
28	1-1/8	3-1/2	60.0	40.32	63	618.0	72	2-7/8	9	344.0	231.2	380	3,728
30	1-3/16	3-3/4	63.4	42.60	68	667.1	76	3	9-3/8	406.0	272.8	429	4,208
32	1-1/4	4	74.0	49.73	74	725.9	80	3-5/32	10	429.0	288.3	458	4,493
34	1-11/32	4-1/4	80.4	54.03	84	824.0	88	3-7/16	11	524.0	352.1	540	5,297
36	1-7/16	4-1/2	85.9	57.72	93	912.3	96	3-13/16	12	579.0	389.1	626	6,141,
38	1-1/2	4-3/4	103.5	69.55	102	1,001	104	4-1/8	13	674.0	452.9	745	7,308
40	1-19/32	5	110.0	73.92	114	1,118	112	4-7/16	14	731.0	491.2	833	8,172
42	1-21/32	5-1/4	128.0	86.01	127	1,246	120	4-3/4	15	841.0	565.1	955	9,369
44	1-3/4	5-1/2	133.0	89.37	135	1,324							

- 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&Properties]

- Material : Inside : UHMWPE(Dyneema) / Outside : Polyester
- Melting Point : Inside : 150 ℃ / Outside : 265 ℃
- Specific Gravity : 1.0 ~ 1.2
- Elongation at Break(new) : 4 ~ 5%
- UV resistance : Good

[Characteristics]

- High Strength
- Lowest elongation
- Wet strength equals dry strength
- Non-kinking, and anti-kinking

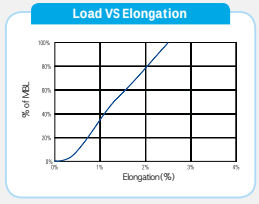
[Applications]

- Ship Mooring Lines
- Anchor Lines (For MODU)
- Ship yard Mooring Line(Summer zone area)
- Pulling Line

[Creep Property]

Fiber	Tenacity	Modulus	Applied Load	Temp.	Creep Rate
SK 75	3.4 GPa	110 GPa	10% BL	23 ℃	0.2% /week
SK 78	3.4 GPa	110 GPa	10% BL	23 ℃	0.2% /month

* 20℃ temperature increase : factor 10 higher creep rate * load reduction by factor 0.6 : factor 10 lower creep rate



Tested in accordance to ISO2307 ; 2010 Fibre ropes-Determination of certain physical and mechanical properties

SuperMax® D-Plus Rope

SuperMax® D-Plus Rope consists of SuperMax(UHMWPE) braided rope core and braided jacket. This combination offers non-rotating and anti-kinking properties while maintaining a higher strength than standard 12 S/T braided rope. The braided jacket provides excellent abrasion resistance that maintains the ropes circular shape and protects the core from foreign matter.

SuperMax® D-Plus Rope

Dia		Circ	Weight		Breaking Strength		Dia		Circ	Weight		Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN	mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN
16	5/8	2	13.6	9.14	16	157.0	48	1-7/8	6	125.0	84.0	165	1,619
18	23/32	2-1/4	18.0	12.10	22	215.8	50	2	6-1/4	136.0	91.4	180	1,766
20	13/16	2-1/2	22.9	15.39	28	274.7	52	2-1/16	6-1/2	147.0	98.8	195	1,913
22	7/8	2-3/4	27.3	18.34	35	343.4	56	2-1/4	7	169.0	113.6	230	2,256
24	15/16	3	32.5	21.84	43	421.8	60	2-3/8	7-1/2	191.0	128.3	263	2,580
25	1	3-1/8	36.1	24.26	46	451.3	64	2-1/2	8	221.0	148.5	308	3,021
26	1-1/32	3-1/4	39.2	26.34	54	529.7	68	2-11/16	8-1/2	248.0	166.6	345	3,384
28	1-1/8	3-1/2	45.2	30.37	63	618.0	72	2-7/8	9	278.0	186.8	380	3,728
30	1-3/16	3-3/4	49.2	33.06	68	667.1	76	3	9-3/8	313.0	210.3	429	4,208
32	1-1/4	4	57.1	38.37	74	725.9	80	3-5/32	10	340.0	228.5	458	4,493
34	1-11/32	4-1/4	64.5	43.34	84	824.0	88	3-7/16	11	401.0	269.5	540	5,297
36	1-7/16	4-1/2	71.1	47.78	93	912.3	96	3-13/16	12	480.0	322.5	626	6,141
38	1-1/2	4-3/4	77.8	52.28	102	1,001	104	4-1/8	13	564.0	379.0	745	7,308
40	1-19/32	5	86.0	57.79	114	1,118	112	4-7/16	14	648.0	435.4	833	8,172
42	1-21/32	5-1/4	95.5	64.17	127	1,246	120	4-3/4	15	736.0	494.6	955	9,369
44	1-3/4	5-1/2	101.3	68.07	135	1,324							

·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 & Properties]

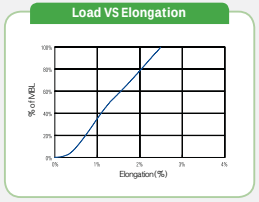
- Material : Inside : UHMWPE(Dyneema) / Outside : UHMWPE(Dyneema)
- Melting Point : 150 ℃
- Specific Gravity : 0.97
- Elongation at Break(new) : 4 ~ 5%
- UV resistance : Good

[Characteristics]

- Excellent abrasion resistance
- High Strength
- Lowest elongation
- Wet strength equals dry strength
- Non-kinking, and anti-kinking

[Applications]

- Ship Mooring Lines
- Ship yard Mooring Line
- Pulling Line



Tested in accordance to ISO2307 : 2010 Fibre ropes- Determination of certain physical and mechanical properties

SPM(Single Point Mooring)

The NWBS and energy absorption performance of hawsers can deteriorate due to certain influences and factors such as service life, cyclic load history, hawser type, construction, environmental conditions, and handling between use. Since the construction and type of material used to construct an SPM rope varies from location to location, and the operational procedures will constantly change, DSR produces our NY Double B/D from Polyamide Nylon 66. Nylon 66 has the highest energy absorption performance as compared to other in synthetic fibers such as polyester, polyethylene and polypropylene. In addition, Nylon 66 exhibits better yarn-on-yarn abrasion performance. Using DSR's NY Double B/D, you can expect superior service life in all marine applications including SPM Hawsers.

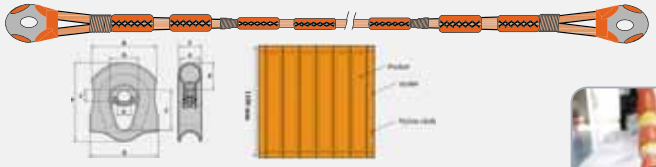
NY Double B/D(SPM)

Dia	Circ	Weight		Breaking Strength	
		in Air	Submered	NDBS	NWBS
mm	Inch	Kg/100m	Kg/100m	Ton	Ton
48	6	153	15	57	51.2
56	7	210	21	76	68.2
64	8	274	28	98	88.0
72	9	333	34	122	110
80	10	400	40	148	133
88	11	480	48	175	157
96	12	574	58	208	187
104	13	688	69	245	220
112	14	788	79	280	251
120	15	929	94	325	292
128	16	1,038	105	363	326
136	17	1,200	121	418	375
144	18	1,332	134	460	413
152	19	1,463	148	500	449
160	20	1,623	164	550	494
168	21	1,790	181	605	543
176	22	1,980	200	673	604

NY PL12(SPM)

Dia	Circ	Weight		Breaking Strength	
		in Air	Submered	NDBS	NWBS
mm	Inch	Kg/100m	Kg/100m	Ton	Ton
48	6	153	15	65	58.1
56	7	210	21	82	73.2
64	8	274	28	107	96.1
72	9	333	34	134	120
80	10	400	40	158	142
88	11	480	48	194	174
96	12	574	58	234	211
104	13	688	69	275	247
112	14	788	79	316	284
120	15	929	94	365	328
128	16	1,038	105	408	366
136	17	1,200	121	467	419
144	18	1,332	134	520	467
152	19	1,463	148	571	513
160	20	1,623	164	627	563
168	21	1,790	181	683	613
176	22	1,980	200	754	677

- Manufactured and tested in accordance with the OCIMF 2000 Guidelines
- NDBS : New Dry Breaking Strength / NWBS : New wet Breaking Strength
- Specific gravity of swa water assume 1.025
- Other sizes are available upon request (Maximun production size – Dia. 300mm)



[Material&Propertise]

- Material : Polyamide
- Constructions : Double Braided(NY Double B/D) Parallel(NY PL12)
- Specific Gravity : 1.14
- Melting Point : 260 ℃
- Water absorption : 2 ~ 5%
- Extension & TCLL values can be provided on request

[Lace-on-Float]

- Quantity of Floats = 0.5 X Length of Rope in Meters
- Float length = 1.1 Mtr
- Float width = Depend on the rope size and rope type(single leg / Grommet)
- Lace material : Double layer nylon cloth
- Internal foam : Cross linked Polyolefin (35kg/cm³)

[Applications]

- Single Point Mooring Line / Other Marine applications

[End Termination]

- Soft eyes, Thimble eyes (Heavy Duty, Cast, Tubular)

SuperFlex® Rope

Due to a technically reinforced composition of high tenacity Superdan and polyester yarns, Superflex retains its superior strength. When combined with DSR's unique double construction cover yarns, this composition provides superior abrasion resistance compared to conventionally constructed ropes. The abrasion resistance has been verified over the years with its market penetration for mooring applications.

SuperFlex® 3-Strand Rope

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	32	1-1/4	4	58.70	39.44	236.67	17,700	173.60
10	13/32	1-1/4	5.70	3.83	22.98	1,900	18.60	36	1-7/16	4-1/2	74.10	49.79	298.76	22,100	216.80
12	15/32	1-1/2	8.80	5.91	35.48	2,900	28.50	40	1-19/32	5	89.00	59.81	358.83	26,300	258.00
14	9/16	1-3/4	11.40	7.66	45.96	3,700	36.30	44	1-3/4	5-1/2	108.90	73.18	439.07	32,000	314.00
16	5/8	2	14.80	9.95	59.67	4,760	46.70	48	1-7/8	6	128.90	86.62	519.70	37,500	368.00
18	23/32	2-1/4	18.70	12.57	75.40	6,000	58.90	52	2-1/16	6-1/2	151.10	101.54	609.21	43,600	428.00
20	13/16	2-1/2	22.90	15.39	92.23	7,250	71.10	56	2-1/4	7	175.60	118.00	707.99	50,200	493.00
22	7/8	2-3/4	27.90	18.75	112.49	8,800	86.30	60	2-3/8	7-1/2	201.50	135.40	812.41	57,200	561.00
24	15/16	3	33.10	22.24	133.45	10,400	102.00	64	2-1/2	8	229.10	153.95	923.69	64,300	631.00
26	1-1/32	3-1/4	38.80	26.07	156.44	12,100	118.70	70	2-3/4	8-11/16	273.70	183.92	1,103.51	75,800	744.00
28	1-1/8	3-1/2	45.10	30.31	181.84	13,900	136.40	72	2-7/8	9	289.70	194.67	1,168.02	79,000	775.00
30	1-3/16	3-3/4	51.90	34.88	209.25	15,800	155.00	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
- Lay Standard : Soft

SuperFlex® 8-Strand Rope

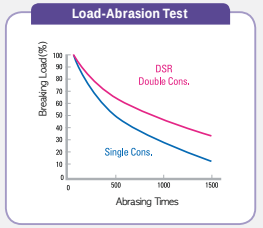
Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3	33.5	22.5	135.1	12,500	122.6	68	2-11/16	8-1/2	254.0	170.7	1,204.1	84,000	824.0
28	1-1/8	3-1/2	46.0	30.9	185.5	16,600	162.8	70	2-3/4	8-11/16	269.0	180.8	1,084.6	89,000	873.1
32	1-1/4	4	59.5	40.0	239.9	21,300	208.9	72	2-7/8	9	284.0	190.8	1,145.0	94,000	922.1
36	1-7/16	4-1/2	74.2	49.9	299.2	26,500	260,0	75	3	9-1/4	308.0	207.0	1,241.8	102,000	1,000.6
40	1-9/16	5	91.5	61.5	368.9	32,000	313.9	80	3-5/32	10	349.0	234.5	1,407.1	114,000	1,118.3
44	1-3/4	5-1/2	109.0	73.2	439.5	38,000	372.8	85	3-3/8	10-1/2	394.0	264.8	1,588.5	129,000	1,265.5
45	1-25/32	5-5/8	114.0	76.6	459.6	40,000	392.4	88	3-7/16	11	420.0	282.2	1,693.4	138,000	1,353.7
48	1-7/8	6	132.0	88.7	532.2	44,000	431.6	90	3-9/16	11-1/8	439.5	295.3	1,772.0	144,000	1,412.6
50	2	6-1/4	143.0	96.1	576.6	48,000	470.9	95	3-3/4	11-3/4	490.0	329.3	1,975.6	161,000	1,579.4
52	2-1/16	6-1/2	150.0	100.8	604.8	51,000	500.3	96	3-13/16	12	500.0	336.0	2,015.9	163,000	1,599.0
55	2-5/32	6-7/8	172.5	115.9	695.5	57,000	559.2	100	3-15/16	12-3/8	539.0	362.2	2,173.2	177,000	1,736.3
56	2-1/4	7	179.0	120.3	721.7	59,000	578.8	104	4-1/8	13	586.0	393.8	2,362.7	192,000	1.883.5
60	2-3/8	7-1/2	200.5	134.7	808.4	67,000	657.2	112	4-7/16	14	674.0	452.9	2,717.5	221,000	2.167.9
64	2-1/2	8	226.0	151.9	911.2	75,000	735.7	120	4-3/4	15	774.0	520.1	3,120.6	253,000	2.481.9
65	2-9/16	8-1/16	233.0	156.6	939.4	77,000	755.3								

- 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

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
- Other sizes are available upon request (Maximum production size – Dia.300mm)
- Warning : The minimum breaking strength should never be considered as the safe working load of the rope



New SuperFlex®-Euro 8

Superflex®-Euro 8 has a higher tensile strength, greater flexibility and better abrasion resistance than standard composite rope. Technically reinforced with a composition of famous Superdan® yarn and high tenacity polyester yarns, enables Superflex®-Euro 8 to have a light weight per strength ratio for easy and safe handling and operation, as it can float on the surface of water. Superflex®-Euro 8's specially designed construction also provides higher residual tensile strength after repeated mooring cycles, which results in a lower total operational cost factor

New SuperFlex® - Euro 8 Rope

Dia	Circ	Weight	Breaking Strength	
mm	Inch	KGS/100m	Kg	kN
40	5	102.0	42,500	416
44	5-1/2	124.0	50,900	498
48	6	148.0	60,000	588
52	6-1/2	173.0	70,000	686
56	7	201.0	80,500	788
60	7-1/2	231.0	91,900	900
64	8	263.0	104,000	1,019
68	8-1/2	296.0	117,000	1,146
72	9	332.0	130,000	1,274
76	9-1/2	370.0	144,500	1,416
80	10	411.0	159,000	1,558
88	11	497.0	191,500	1,876
96	12	590.0	226,000	2,214
104	13	689.0	263,000	2,577
112	14	803.0	304,100	2,980
120	15	923.0	345,500	3,385

[Characteristics]

- 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 a superior breaking strength due to its 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 insures that the rope maintains its properties even after long periods under the sea.

New D-Flex® 8 S/T

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	70	2-3/4	8-11/16	242.0	162.6	975.6	92,000	901.6
40	1-9/16	5	82.0	54.4	326.4	32,700	320.4	72	2-7/8	9	255.0	171.3	1,027.8	97,000	950.6
44	1-3/4	5-1/2	98.0	65.8	394.8	39,200	384.1	75	3	9-1/4	277.0	186.1	1,116.6	105,400	1,032.9
45	1-25/32	5-5/8	102.0	68.5	411.0	41,100	402.7	80	3-6/32	10	314.0	210.9	1,265.4	117,900	1,154.4
48	1-7/8	6	118.0	79.2	475.2	45,200	442.9	85	3-3/8	10-1/2	354.0	237.8	1,426.8	133,200	1,305.3
50	2	6-1/4	128.0	86.0	516.0	49,400	484.1	88	3-7/16	11	378.0	254.0	1,524.0	142,800	1,399.4
52	2-1/16	6-1/2	135.0	90.7	544.2	52,700	516.4	90	3-9/16	11-1/8	395.0	265.4	1,592.4	149,000	1,460.2
55	2-5/32	6-//8	154.0	103.4	620.4	58,600	574.2	95	3-3/4	11-3/4	441.0	296.3	1,777.8	166,500	1,631.7
56	2-1/4	7	161.0	108.1	648.6	60,900	596.8	96	3-13/16	12	450.0	302.3	1,813.8	168,600	1,652.2
60	2-3/8	7-1/2	180.0	120.9	725.4	69,300	679.1	100	3-15/16	12-3/8	485.0	325.9	1,955.4	183,100	1,794.3
64	2-1/2	8	203.0	136.4	818.4	77,400	758.5	104	4-1/8	13	527.0	354.1	2,124.6	198,500	1,945.3
65	2-9/16	8-1/16	209.0	140.4	842.4	79,300	777.1	112	4-7/16	14	606.0	407.2	2,443.2	228,400	2,238.3
68	2-11/16	8-1/2	228.0	153.2	919.2	86,700	849.6	120	4-3/4	15	696.0	467.2	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

[Propertise]

- Water Absorption : 0~1%
- Floating on water
- Elongation at Break : 18~20%

[Characteristics]

- Conforming to OCIMF guidelines
- Well UV stabilized
- Excellent abrasion resistance

[Applications]

- Mooring
- Towing
- Anchor Lines

New SuperTEC® Rope

Lighter! Stronger! Last longer!

DSR'S innovative technology enables us to offer a stronger and MORE affordable rope. SuperTEC® is stronger than PP, PE and Polyolefin ropes. For the same breaking strength, a smaller diameter of SuperTEC® can replace a standard PP rope. It also has higher abrasion resistance than general PP ropes. Using a smaller diameter SuperTEC® rope leads to a reduction in working hours and labor costs. It is easy to handle because it floats and does not absorb water.

New SuperTec® 3-Strand Rope

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	36	1-7/16	4-1/2	58.00	38.97	233.85	24,200	237.4
8	5/16	1	3.00	2.02	12.10	1,450	14.2	40	1-19/32	5	71.50	48.05	288.28	29,600	290.4
9	3/8	1-1/8	3.80	2.55	15.32	1,830	18.0	44	1-3/4	5-1/2	88.50	59.47	356.82	36,500	358.1
10	13/32	1-1/4	4.50	3.02	18.14	2,190	21.5	48	1-7/8	6	104.00	69.89	419.31	42,500	416.9
12	15/32	1-1/2	6.60	4.44	26.61	3,200	31.4	52	2-1/16	6-1/2	122.00	81.98	491.88	49,000	480.7
14	9/16	1-3/4	9.10	6.11	36.69	4,250	41.7	56	2-1/4	7	142.00	95.42	572.52	55,400	543.5
16	5/8	2	11.60	7.79	46.77	5,400	53.0	60	2-3/8	7-1/2	163.00	109.53	657.19	62,500	613.1
18	23/32	2-1/4	14.90	10.01	60.07	6,900	67.7	64	2-1/2	8	185.00	124.31	745.89	71,200	698.5
20	13/16	2-1/2	17.90	12.03	72.17	8,200	80.4	70	2-3/4	8-11/16	221.00	148.51	891.04	84,700	830.9
22	7/8	2-3/4	22.00	14.78	88.70	10,000	98.1	72	2-7/8	9	234.00	157.24	943.45	89,600	878.9
24	15/16	3	26.00	17.47	104.83	11,800	115.8	80	3-5/32	10	290.00	194.87	1,169.23	110,700	1,085.9
26	1-1/32	3-1/4	30.60	20.56	123.37	13,600	133.4	88	3-7/16	11	351.00	235.86	1,415.17	133,300	1,307.6
28	1-1/8	3-1/2	35.50	23.86	143.13	15,600	153.0	96	3-13/16	12	417.00	280.21	1,681.28	158,400	1,553.9
30	1-3/16	3-3/4	41.10	27.62	165.71	17,500	171.7	100	3-15/16	12-3/8	452.30	303.93	1,823.60	171,800	1,685.3
32	1-1/4	4	46.00	30.91	185.46	19,600	192.3								

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

New SuperTec® 8-Strand Rope

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	68	2-11/16	8-1/2	230.0	154.6	927.3	95,400	935.8
28	1-1/8	3-1/2	39.4	26.5	158.9	17,800	174.6	70	2-3/4	8-11/16	243.5	163.6	981.8	101,100	991.8
32	1-1/4	4	51.1	34.3	206.0	22,700	222.7	72	2-7/8	9	258.0	173.4	1,040.2	105,500	1,034.9
36	1-7/16	4-1/2	64.1	43.1	258.4	28,300	277.6	75	3	9-1/4	279.5	187.8	1,126.9	114,500	1,123.2
40	1-9/16	5	79.1	53.2	318.9	34,900	342.4	80	3-5/32	10	319.0	214.4	1,286.2	129,900	1,274.3
44	1-3/4	5-1/2	97.7	65.7	393.9	41,700	409.1	85	3-3/8	10-1/2	360.5	242.2	1,453.5	146,100	1,433.2
45	1-25/32	5-5/8	102.0	68.5	411.2	43,500	426.7	88	3-7/16	11	386.0	259.4	1,556.3	156,900	1,539.1
48	1-7/8	6	114.5	76.9	461.6	48,900	479.7	90	3-9/16	11-1/8	4032.5	271.1	1,626.8	164,000	1,608.8
50	2	6-1/4	124.5	83.7	502.0	52,200	512.1	95	3-3/4	11-3/4	449.5	302.1	1,812.3	180,100	1,766.7
52	2-1/16	6-1/2	134.0	90.0	540.3	56,500	554.2	96	3-13/16	12	459.0	308.4	1,850.6	184,000	1,805.0
55	2-5/32	6-7/8	150.5	101.1	606.8	62,600	614.1	100	3-15/16	12-3/8	498.0	334.6	2,007.9	199,700	1,959.0
56	2-1/4	7	156.0	104.8	629.0	64,900	636.6	104	4-1/8	13	536.0	360.2	2,161.1	216,000	2,118.9
60	2-3/8	7-1/2	179.0	120.3	721.7	74,400	729.8	112	4-7/16	14	623.0	418.6	2,511.8	250,500	2,457.3
64	2-1/2	8	203.6	136.8	820.9	83,900	823.0	120	4-3/4	15	718.0	482.5	2,894.9	287,600	2,821.3
65	2-9/16	8-1/16	210.0	141.1	846.7	86,500	848.5								

• 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

New SuperTEC® Rope

New SuperTec® 12-Strand Rope

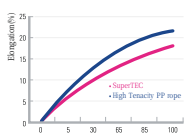
Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN
36	1-7/16	4-1/2	64.1	43.1	258.4	29,600	290.4
40	1-9/16	5	79.1	53.2	318.9	36,300	356.1
44	1-3/4	5-1/2	97.7	65.7	393.9	43,500	426.7
48	1-7/8	6	114.5	76.9	461.6	50,900	499.3
52	2-1/16	6-1/2	134.0	90.0	540.3	58,800	576.8
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
- Other sizes are available upon request(Maximum production size – Dia.300mm)
- Warning : The minimum breaking strength should never be considered as the safe working load of the rope

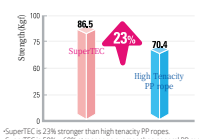
[Applications]

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

Working load-Elongation(8str Rope)



Elongation comparison test(8str Rope-65mm)



New SuperTEC® L10 Rope

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

Specification(8-strands)

Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN
40	1-19/32	5	64.4	43	259	26,200	257.1
44	1-3/4	5-1/2	79.7	54	321	31,300	306.9
48	1-7/8	6	93.6	63	377	36,400	356.7
52	2-1/16	6-1/2	109.8	74	443	42,800	419.1
56	2-1/4	7	127.8	86	515	50,200	492.4
60	2-3/8	7-1/2	146.7	99	591	57,700	565.2
64	2-1/2	8	166.5	112	671	65,500	641.5
68	2-11/16	8-1/2	188.1	126	758	74,000	724.7
72	2-7/8	9	210.6	142	849	82,800	811.4
80	3-5/32	10	261	175	1,052	101,700	996.3
88	3-7/16	11	315.9	212	1,274	123,000	1,206
96	3-13/16	12	375.3	252	1,513	144,800	1,419
104	4-1/8	13	438.8	295	1,769	169,300	1,659
112	4-7/16	14	509.4	342	2,054	196,600	1,926
120	4-3/4	15	587.7	395	2,370	224,600	2,201

[Applications]

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

Total cost-saving
Last longevity
Save's time
Most innovative

Polypropylene Rope

Polypropylene rope has nearly twice the strength of Manila rope of similar diameter. The rope has positive buoyancy (floats), does not absorb water, and does not decay. It' is resistant to acid, alkali and most chemicals. When not in use, the rope should be stored away from direct sunlight. Recommended usages are mooring, dock and anchor line, boat life-line, tarpaulin line, tent tie down, pool barrier line, public utility and general use for residential farm and industry.

PP DAN 3 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

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

[Applications]

- Mooring, Anchor line, Non Marine use, Recreation & Sport, General use in residential, Farm and industry etc

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 make nylon rope the best in handing compared to other synthetics. It is utilized extensively in marine use such as mooring lines, towing slings, commercial fishing, utility rope, leisure boating, and sailing etc.

Nylon 3-Strand Rope

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	38	1-1/2	4-3/4	89.3	60.01	360.04	28,200	276.6
5	3/16	5/8	1.56	1.05	6.29	570	5.6	40	1-19/32	5	99	66.53	399.15	31,000	304.1
6	1/4	3/4	2.25	1.51	9.07	760	7.46	42	1-21/32	5-1/4	109	73.25	439.47	33,800	331.6
7	9/32	7/8	3.1	2.08	12.5	1,050	10.3	44	1-3/4	5-1/2	120	80.64	483.82	37,000	363
8	5/16	1	4	2.69	16.13	1,390	13.65	45	1-13/16	5-5/8	124.8	83.86	503.17	37,800	370.8
9	3/8	1-1/8	5	3.36	20.16	1,750	17.2	48	1-7/8	6	142	95.42	572.52	43,000	421.8
10	13/32	1-1/4	6.2	4.17	25	2,130	20.9	50	2	6-1/4	153.5	103.15	618.89	46,300	454.2
11	7/16	1-3/8	7.5	5.04	30.24	2,600	25.5	52	2-1/16	6-1/2	166	111.55	669.28	50,000	490.5
12	15/32	1-1/2	8.9	5.98	35.88	3,040	29.8	55	2-5/32	6-7/8	186.2	125.12	750.73	55,000	539.5
13	1/2	1-5/8	10.5	7.06	42.33	3,570	35	56	2-1/4	7	193	129.69	778.14	57,000	559.2
14	9/16	1-3/4	12.2	8.2	49.19	4,180	41	60	2-3/8	7-1/2	221	148.51	891.04	64,500	632.7
16	5/8	2	15.8	10.62	63.7	5,380	52.8	64	2-1/2	8	252	169.34	1,016.02	73,000	716.1
18	23/32	2-1/4	20	13.44	80.64	6,880	67.5	65	2-9/16	8-1/16	260	174.71	1,048.28	75,000	735.7
19	3/4	2-3/8	22.1	14.85	89.1	7,650	75.1	70	2-3/4	8-11/16	302	202.94	1,217.61	86,000	843.6
20	13/16	2-1/2	24.5	16.46	98.78	8,450	82.9	72	2-7/8	9	319	214.36	1,286.16	91,000	892.7
22	7/8	2-3/4	30	20.16	120.96	10,400	102	75	3	9-1/4	346	232.5	1,395.01	98,700	968.2
24	15/16	3	35.5	23.86	143.13	12,300	120.7	80	3-5/32	10	394	264.76	1,588.54	111,500	1,093.8
25	1	3-1/8	38.8	26.07	156.44	13,400	131.5	85	3-3/8	10-1/2	445	299.03	1,794.17	126,000	1,236.0
26	1-1/32	3-1/4	42	28.22	169.34	14,500	142.2	88	3-7/16	11	477	320.53	1,923.19	135,000	1,324.3
28	1-1/8	3-1/2	48.5	32.59	195.54	16,200	159	90	3-9/16	11-1/8	499	335.31	2,011.89	139,000	1,363.6
30	1-3/16	3-3/4	55.5	37.29	223.77	18,300	179.5	95	3-3/4	11-3/4	556	373.62	2,241.70	154,000	1,510.7
32	1-1/4	4	63	42.33	254.01	20,600	202	96	3-13/16	12	568	381.68	2,290.08	158,000	1,550.0
34	1-11/32	4-1/4	71.4	47.98	287.87	23,200	227.5	100	3-15/16	12-3/8	616	413.94	2,483.61	170,000	1,667.7
36	1-7/16	4-1/2	80	53.76	322.55	25,700	252.1								

• 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		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	68	2-11/16	8-1/2	285	191.5	1,149.10	90,000	882.9
28	1-1/8	3-1/2	48.5	32.6	195.5	17,800	174.6	70	2-3/4	8-11/16	302	202.9	1,217.60	95,000	931.9
32	1-1/4	4	63	42.3	254	22,500	220.7	72	2-7/8	9	319	214.4	1,286.20	100,000	981
36	1-7/16	4-1/2	80	53.8	322.5	28,200	276.6	75	3	9-1/4	346	232.5	1,395.00	108,000	1,059.4
40	1-9/16	5	99	66.5	399.2	34,000	333.5	80	3-5/32	10	394	264.8	1,588.50	123,000	1,206.6
44	1-3/4	5-1/2	120	80.6	483.8	40,500	397.3	85	3-3/8	10-1/2	445	299	1,794.20	138,000	1,353.7
45	1-25/32	5-5/8	124.8	83.9	503.2	42,100	413	88	3-7/16	11	477	320.5	1,923.20	145,000	1,422.4
48	1-7/8	6	142	95.4	572.5	47,500	466	90	3-9/16	11-1/8	499	335.3	2,011.90	151,000	1,481.3
50	2	6-1/4	153.5	103.1	618.9	51,300	503.2	95	3-3/4	11-3/4	556	373.6	2,241.70	168,000	1,648.0
52	2-1/16	6-1/2	166	111.5	669.3	55,000	539.5	96	3-13/16	12	568	381.7	2,290.10	170,000	1,667.6
55	2-5/32	6-7/8	186.2	125.1	750.7	61,000	598.4	100	3-15/16	12-3/8	616	413.9	2,483.60	184,000	1,805.0
56	2-1/4	7	193	129.7	778.1	62,500	613.1	104	4-1/8	13	666	447.5	2,685.20	200,000	1,961.9
60	2-3/8	7-1/2	221	148.5	891	70,500	691.6	112	4-7/16	14	772	518.8	3,112.60	210,000	2,060.0
64	2-1/2	8	252	169.3	1,016.00	80,000	784.8	120	4-3/4	15	887	596	3,576.20	255,000	2,501.5
65	2-9/16	8-1/16	260	174.7	1,048.30	82,000	804.4								

• 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

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
• Other sizes are available upon request (Maximum production size – Dia.300mm)
• Warning : The minimum breaking strength should never be considered as the safe working load of the rope

[Material&Propertise]

- Fiber Content : Nylon fiber
- Specific Gravity : 1.14
- Melting Point : 220℃
- Elongation at Break : 45%(8S/T), 30%(12S/T)
- Water Absorption : 2~5%

PMP

Polyester

Material & Rope Properties

The load bearing component of PMP is made of marine finished polyester which shows high abrasion resistance and high tenacity as compared to conventional polyester. In addition, the elastic modulus of the PMP rope is higher than other polyester ropes of similar material and rope construction.

Rope Construction

PMP rope consists of a load bearing core, sand & mud barrier and protective jacket. The load bearing core is torque-neutral and is comprised of a 12 strand braided rope. The thickness and material of protective jacket can be changed for specific applications. The barrier effectively blocks sand & mud, to insure a longer service life.

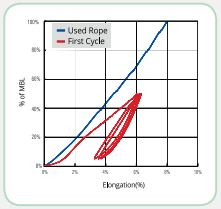
Dia		Circ	Weight		MBL	
mm	Inch	Inch	KGS/100m	LBS/100FT	Ton	kN
40	1-9/32	5	121	81.3	55	539.6
44	1-3/4	5-1/2	142	95.4	63	618.0
48	1-7/8	6	172	115.6	76	745.6
52	2-1/16	6-1/2	202	135.7	89	873.1
56	2-1/4	7	230	154.6	102	1,001
60	2-3/8	7-1/2	271	182.1	118	1,158
64	2-1/2	8	298	200.2	130	1,275
68	2-11/16	8-1/2	336	225.8	144	1,413
72	2-7/8	9	392	263.4	165	1,619
80	3-5/32	10	485	325.9	200	1,962
88	3-7/16	11	577	387.7	235	2,305
96	3-13/16	12	697	468.4	280	2,747
100	3-15/16	12-3/8	760	510.7	305	2,992
104	4-1/8	13	820	551.0	325	3,188
112	4-7/16	14	950	638.4	370	3,630
120	4-3/4	15	1,090	732.4	420	4,120

[Material&Propertise]

- Material : Polyester(Load bearing - Marine finished)
- Constructions : Load bearing core & Protective jacket
- Specific Gravity : 1.38
- Melting Point : 265℃
- Water Absorption : less than 1%
- Elongation at Break : 8~10 %(Worked rope)

[Applications]

- Ship mooring & anchor Line
- Pulling Line



NMP™ Rope

DSR developed the proprietary construction of NMP™ Rope using high tenacity nylon multifilament fibers. DSR minimizes the inner space of the NMP™ Rope to increase the cross sectional density for maximum strength and better abrasion resistance as compared to conventional rope construction. This firm and smooth round construction with DSR's unique and proprietary 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, as well as being shock resistant.

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&Propertise]

- Material : High tenacity Nylon multifilament
- Melting Point : 220℃
- Specific Gravity : 1.14
- Elongation at Break : 30%
- Water Absorption : 2~5%

[Applications]

- Ship Moorings
- Mooring Springs
- Towing Lines

[Characteristics]

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

Double Braid Rope

Characteristics

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

[Material&Propertise]

- Fiber Content : Nylon fiber
- Specific Gravity : 1.14
- Melting Point : 220℃
- Elongation at Break : 30 ~ 35%
- Water Absorption : 2 ~ 5%

[Applications]

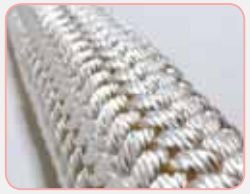
- Ship Moorings
- Mooring Springs
- Towing Lines

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

[Material&Propertise]

- Fiber Content : Polyester fiber
- Specific Gravity : 1.38
- Melting Point : 265℃
- 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.

Superdan® 3-Strand Rope

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

- 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
- Lay Standard : Soft

Superdan® 8-Strand Rope

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

- 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

SuperDan® 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
- Other sizes are available upon request (Maximum production size – Dia.300mm)
- Warning : The minimum breaking strength should never be considered as the safe working load of the rope

[Advanced Durability]

- Excellent anti-abrasion properties contribute to longer service life. (over 10% compared to standard ropes)
- High ultraviolet 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 applications.

Polyester(Dacron) Rope

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

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

Polyester(Dacron) 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

[Material&Propertise]

- Fiber Content : Polyester fiber
- Specific Gravity : 1.38
- Melting Point : 265℃
- Elongation at Break : 25~28%
- Water Absorption : 0~1%

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
- Other sizes are available upon request (Maximum production size – Dia.300mm)
- Warning : The minimum breaking strength should never be considered as the safe working load of the rope

[Material&Propertise]

- Fiber Content : Polyester fiber
- Specific Gravity : 1.38
- Melting Point : 265℃
- 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 braided rope is flexible, does not rotate or kink, and can be handled and coiled easily. The rope is fully spliceable. Lead or wire can be inserted in the center of the core creating a sink rope with improved strength. Our 12 strand braided rope is manufactured in a variety of fiber types in single or double braid construction. It is recommended for use as commercial fishing, crab line, long line and net sling.

Superdan® 12 S/T

(ONE TYPE)

Dia		Circ	Weight			Breaking Strength	
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)

Dia		Circ	Weight			Breaking Strength	
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)

Dia		Circ	Weight			Breaking Strength	
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)

Dia		Circ	Weight			Breaking Strength	
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)

Dia		Circ	Weight			Breaking Strength	
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)

Dia		Circ	Weight			Breaking Strength	
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

12-Strand Braided Rope

Nylon 12 S/T

(ONE TYPE)

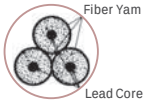
Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN
12	15/32	1-1/2	9.50	6.38	38.30	3,580	35.12
14	9/16	1-3/4	12.90	8.67	52.01	4,800	47.09
16	5/8	2	16.80	11.29	67.73	6,100	59.84
18	23/32	2-1/4	20.05	13.47	80.84	7,400	72.59
20	13/16	2-1/2	27.80	18.68	112.09	10,300	101.04
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)

Dia		Circ	Weight			Breaking Strength	
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 facilitate the rope to quickly become submerged into water. Lead Core ropes are used in commercial fishing, particularly as net bottom lines.



Dia		Circ	Weight			Superdan® B/S		P.P 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

Vinylon(KU, V/E) Rope

Vinylon rope has the appearance similar to cotton rope. It has excellent ultra violet ray resistance. It is one of the best handling ropes with outstanding resistance to internal and external abrasion. It is commonly used by commercial fishermen for trawling applications, safety nets and 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 very soft in texture, easy to handle and flexible. The fibers on the surface of the rope maintain a high degree of friction and grip.
- High ultra-violet stabilization
- Applications are fish farming, lashing, and general purpose.

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	0.94	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
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

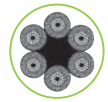
Combination Rope has the same construction as wire rope. However, each steel wire strand is covered with Superdan yarn which contributes to the rope having high tenacity with good abrasion resistance. The rope is easy to handle and can be formed into tightly wound knots. PP split film can be used in place of the Superdan cover if required. Generally the core is synthetic fiber. Steel wires can be substituted as the core if the rope is required to be submerged or sink faster.

6×7+FC

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

6×7+IWRC

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



6×24+FC

Dia	W.S/T	WT					
		DAN C.P.R			KU C.P.R		
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 wet or dry. It is commonly used in commercial fishing and industrial applications.

PE-S 3 S/T

Dia		Circ	Weight			Breaking Strength		Dia		Circ	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100m	LBS/100FT	LBS/100FM	Kg	kN	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	38	1-1/2	4-3/4	70.8	47.58	285.45	14,700	144.4
5	3/16	5/8	1.26	0.85	5.08	280	2.72	40	1-19/32	5	78.5	52.75	316.50	16,300	160.0
6	1/4	3/4	1.82	1.22	7.34	400	3.92	42	1-21/32	5-1/4	86.6	58.19	349.16	17,900	175.4
7	9/32	7/8	2.50	1.68	10.08	540	5.25	44	1-3/4	5-1/2	95.0	63.84	383.02	19,600	192.5
8	5/16	1	3.27	2.20	13.18	700	6.86	45	1-13/16	5-5/8	101.1	67.94	407.62	20,000	196.9
9	3/8	1-1/8	3.97	2.67	16.01	900	8.83	48	1-7/8	6	115.0	77.28	463.66	22,800	224.0
10	13/32	1-1/4	4.90	3.29	19.76	1,100	10.7	50	2	6-1/4	125.0	84.00	503.98	24,400	239.5
11	7/16	1-3/8	6.10	4.10	24.59	1,300	12.7	52	2-1/16	6-1/2	135.0	90.72	544.30	26,400	259.0
12	15/32	1-1/2	7.20	4.84	29.03	1,500	15.1	55	2-5/32	6-7/8	151.4	101.74	610.42	29,300	287.4
13	1/2	1-5/8	8.20	5.51	33.06	1,800	17.7	56	2-1/4	7	157.0	105.50	633.00	30,400	298.0
14	9/16	1-3/4	9.50	6.38	38.30	2,100	20.5	60	2-3/8	7-1/2	180.0	120.96	725.73	34,500	338.0
16	5/8	2	12.8	8.60	51.61	2,800	27.5	64	2-1/2	8	205.0	137.75	826.53	39,000	383.0
18	23/32	2-1/4	16.1	10.82	64.91	3,500	34.0	65	2-9/16	8-1/16	211.0	142.12	852.73	40,200	392.0
19	3/4	2-3/8	18.1	12.16	72.98	3,880	37.8	70	2-3/4	8-11/16	244.8	164.50	986.99	46,300	454.6
20	13/16	2-1/2	20.0	13.44	80.64	4,300	41.9	72	2-7/8	9	259.0	174.04	1,044.25	49,000	481.0
22	7/8	2-3/4	24.3	16.33	97.97	5,100	49.8	75	3	9-1/4	282.0	189.50	1,136.98	53,000	520.0
24	15/16	3	29.5	19.82	118.94	6,100	59.8	80	3-5/32	10	321.0	215.70	1,294.22	60,300	592.0
25	1	3-1/8	30.3	20.36	122.16	6,400	62.8	85	3-3/8	10-1/2	362.0	243.25	1,459.52	67,600	663.2
26	1-1/32	3-1/4	32.8	22.04	132.24	6,900	68.0	88	3-7/16	11	388.0	260.73	1,564.35	72,500	711.0
28	1-1/8	3-1/2	39.3	26.41	158.45	8,200	80.5	90	3-9/16	11-1/8	405.8	272.69	1,636.12	75,800	736.0
30	1-3/16	3-3/4	46.0	30.91	185.46	9,500	93.0	95	3-3/4	11-3/4	451.4	303.33	1,819.97	83,600	820.0
32	1-1/4	4	52.5	35.28	211.67	10,700	105.0	96	3-13/16	12	461.0	309.78	1,858.68	85,400	838.0
34	1-11/32	4-1/4	58.9	39.58	237.48	12,000	118.0	100	3-15/16	12-3/8	500.2	336.12	2,016.72	92,700	909.4
36	1-7/16	4-1/2	66	44.35	266.1	13,500	132.0								

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

Mussel Hanging Rope

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	1300	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	2300	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	3500	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	1000	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	1800	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	2800	27.46
20	13/16	2-1/2	42.40	28.49	170.95	3,500	34.33

[Applications]

• Mussel Farms

• High abrasion resistance & high strength
• UV stabilizer treated
• Designed to have maximum surface area to help mussels stick to the ropes easily
• Lead core helps the rope to sink and hang vertically

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 steel 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 12-Strand Double Braided	Eye to Eye or Endless	60 Up	64 Up	137% against MBL of SuperMax, Wire Rope
Polyester Superflex Tail	8-Strand 12-Strand Double Braided	Eye to Eye or Endless	60 Up	55 Up	125% against MBL of SuperMax, Wire Rope

Mooring Rope

It is commonly used for heavy marine applications such as mooring, docking and anchor systems. The mooring ropes retain superior strength under shock have excellent resistance to abrasion with less kinks and internal rotations.

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

SuperMax® Round Sling

SuperMax® Round Sling is made of Ultra High Molecular Weight Polyethylene(UHMWPE) yarn covered by a durable nylon cover to produce high performance lifting round slings. While designing SuperMax® Round Slings, our goal was to achieve the lightest lifting gear with the higher breaking strength of wire rope. DSR utilized our extensive experience of designing and manufacturing experience to produce the SuperMax® Round Sling with low elongation while it is stronger than wire rope and weighs less than 10% of the weight of wire rope. The low elongation of SuperMax® Round Slings makes lifting much easier and safer. Low elongation enables our sling to have very little recoil after lifting. Also, SuperMax® Round Sling is very stable when used with a hook, and has no rotating problems similar to wire rope slings.

Ⓢ Mark Specifications and CE Mark Specifications

Certificate	S.W.L (Safety Working Load) (Ton)	Working Load Limits					Safety Factor 7 : 1 Breaking Strength (Ton)
		Vertical	Choker	45°	60°	Basket	
Ⓢ/CE	1	1	0.8	1.4	1	2	7
Ⓢ/CE	2	2	1.6	2.8	2	4	14
Ⓢ/CE	3	3	2.4	4.2	3	6	21
Ⓢ/CE	4	4	3.2	5.6	4	8	28
Ⓢ/CE	5	5	4	7	5	1	35
Ⓢ/CE	6	6	4.8	8.4	6	12	42
Ⓢ/CE	8	8	6.4	11.2	8	16	56
CE	9	9	7.2	12.6	9	18	63
Ⓢ/CE	10	10	8	14	10	20	70
Ⓢ/CE	15	15	12	21	15	30	105
Ⓢ/CE	20	20	16	28	20	40	140
Ⓢ/CE	25	25	20	35	25	50	175
Ⓢ/CE	30	30	24	42	30	60	210
Ⓢ/CE	35	35	28	49	35	70	245
Ⓢ/CE	40	40	32	56	40	80	280
CE	45	45	36	63	45	90	315
CE	50	50	40	70	50	100	350
CE	60	60	48	84	60	120	420
CE	80	80	64	112	80	160	560
CE	100	100	80	140	100	200	700
CE	120	120	96	168	120	240	840
CE	150	150	120	210	150	300	1,050

General Specifications

S.W.L (Safety Working Load) (Ton)	Working Load Limits					Safety Factor 6 : 1 Breaking Strength (Ton)	Safety Factor 5 : 1 Breaking Strength (Ton)
	Vertical	Choker	45°	60°	Basket		
50	50	40	70	50	100	300	250
55	55	44	77	55	110	330	275
60	60	48	84	60	120	360	300
65	65	52	91	65	130	390	325
70	70	56	98	70	140	420	350
75	75	60	105	75	150	450	375
80	80	64	112	80	160	480	400
90	90	72	126	90	180	540	450
100	100	80	140	100	200	600	500
110	110	88	154	110	220	660	550
120	120	96	168	120	240	720	600
130	130	104	182	130	260	780	650
140	140	112	196	140	280	840	700
150	150	120	210	150	300	900	750
200	200	160	280	200	400	1,200	1,000
250	250	200	350	250	500	1,500	1,250
300	300	240	420	300	600	1,800	1,500

Comparison of SuperMax® Round Sling and Wire Rope Sling

Item	SuperMax® Round Sling	Steel Wire Rope Sling
Weight	Less than 10% of the weight of steel wire rope in same breaking strength and enables our sling to handle and install easily. Suitable for high 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	Does not give damage to goods when lifted and easy to position in a short time. Can tighten up to avoid slippage while lifting goods.	Can hurt the material to be lifted. Positioning is slow and difficult.
Durability	Good chemical resistance. Bending ratio can be far smaller owing to its flexibility.	Easy to get rusted against acid or alkali. Because of stiffness, broken wire can occur unless extra care is taken.
Storability	Need small space for storage because of its flexibility.	Large and dry storage space is required.
Economical Value	High initial investment cost. However, high productivity, long service life, easy 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 a protective jacket to protect the ropes and prevent surface damage.

SuperGuard

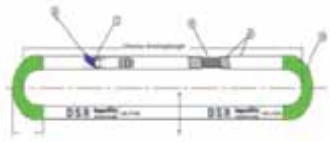
SuperGuard can be applied to SuperMax Rope as well as SuperMax Round sling. SuperGuard will prevent SuperMax Rope as well as SuperMax Round sling from abrasion for the life of the rope and sling.

- SuperGuard-SW2(HMPE)
- SuperGuard-AW2(Aramid)
- SuperGuard-SAW(HMPE+Aramid)
- SuperGuard-PW(PET)
- SuperGuard-NW2(NY)

Safety Self-Check Sling

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

- Melting Point : 150℃
- Temperature Range for USE : -40℃ to 70℃
- 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.



Round Sling

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 to 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

ROUND SLINGS  • S.W.L : Safety Working Load

Super Web™(Webbing)

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

Width \ Grade	B/S(Ton)		
	SL Ⅰ	SL Ⅱ	SL Ⅲ
25mm	4.4	3.9	3.4
50mm	8.9	7.8	6.8
75mm	13.3	11.7	10.2
100mm	17.8	15.6	13.6
125mm	22.2	19.5	17
150mm	26.7	23.4	20.4
200mm	35.6	31.2	27.2
250mm	44.5	39	34
300mm	53.3	46.8	40.8

Width \ Grade	B/S(Ton)		
	SL Ⅰ	SL Ⅱ	SL Ⅲ
25mm	3.1	2.7	2.3
50mm	6.2	5.4	4.5
75mm	9.3	8.2	6.8
100mm	12.3	10.9	9.1

• DSR webbing can incorperate 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 or supplier conforms to the health and safety requirements of Machinery Directive 89/392/EEC and is strictly controlled and monitored by its founder E.U.

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

SLING DOUBLE PLY  • 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

ENDLESS SLING  • Also available in 2 and 3 ply construction upon request

- 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 in accordance to any customer specifications
- Special treatment gives excellent resistance to surface abrasion
- Various color are available
- Quality is maintained through constant monitoring and process controls
- Special stampings can be applied to the web surface
- Due to our superior and high tenacity materials being used in the manufacture of our slings, the working life of our super sling are dramatically extended, reducing the life cycle costs to you.

Super Sling

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

SLING DOUBLE PLY  • S.W.L : Safety Working Load

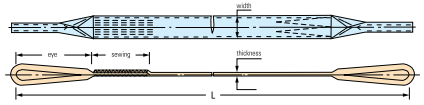
DS-2(Endless Single Ply Sling)

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

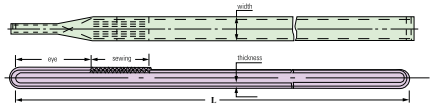
ENDLESS SLING  • Also available in 2 and 3 ply construction upon request

Standard Products

DS-1 Type(2 ply)



DS-2 Type(2 ply)



Eye Types


1. Flat Eye


2. Reversed eye

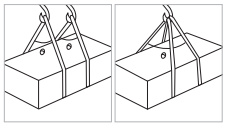

3. Folded eye 1/2 width from 1 side


4. Folded eye 1/2 width from 2 sides


5. Folded eye 1/3 width

Safety Working Load According to Angle

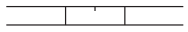
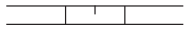
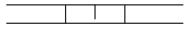
0°	30°	45°	60°	90°	120°
100%	95%	90%	85%	70%	50%



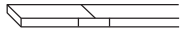
Please choose most proper sling of adequate length and breaking load for the weight and shape of transported goods.(The bigger the angle of sling is, the less the maximum working load is.)

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

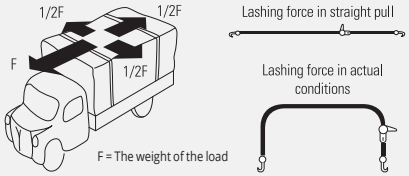
Extent of Damage		Remaining Strength(%)
1/3 Damaged		60
1/2 Damaged		40
2/3 Damaged		30

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 fullfilled.

Car Lashing System BL : 2TON

Effective Length Min 500~Max 1800mm

BL(Breaking Load) = **BF**(Breaking Force) : 2,000kgf

LC(Lashing Capacity) : 1,000kgf

Webbing Material : 100% Polyester
(Yellow coating for abrasion & UV resistance)

Hook & Lever : Steel with Coating
(Metallic Hooks are all coated for added protection)

Car Lashing LC 1~10TON

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

HOW TO ORDER

01. 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

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)

02. Super Sling

Kind of fiber : Nylon, Polyester

Type	S.W.L		Length		Quantity	Design Factor
DS-1	2Ton	×	5MTR	×	50PCS	S/F 鰐 7:1

(Special orders except DS-1 and DS-2 are available for specific working load and use.)

03. Super Web(Webbing)

Kind of fiber : Nylon, Polyester

Width		Length		Quantity
50mm	×	100m	×	50Coils×(B/S Grade)

(Standard coil packing length : 100MTR & Bulk packing : 200KG±10KG / Carton)

04. SuperMax® Round Sling/Round Sling

Kind of fiber : UHMWPE, Polyester

S.W.L		Length		Quantity
20Ton	×	5m	×	500PCS(S/F 鰐 7:1)

05. Lashing System

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

06. 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 I-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.