

# SuperMax<sup>®</sup> Rope

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

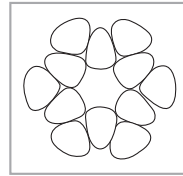
- Melting Point : 150°C
- Specific Gravity : 0.97(Float)
- Elongation at break : 4-5%
- Water Absorption : None
- UV resistance : Good

## Characteristics

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

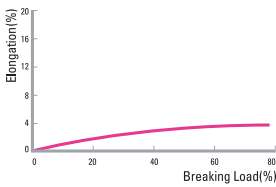
## Applications

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

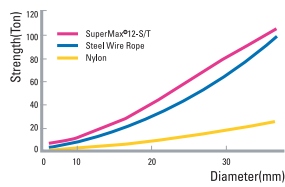


Maximum strength to weight ratio, and strength comparable to steel wire rope

■ Elongation Table



■ Breaking Strength



## SuperMax<sup>®</sup>12-S/T Rope

Dia.		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Ton	kN
6	1/4	3/4	2.3	1.55	9.30	4.2	41.2
8	5/6	1	3.9	2.62	15.72	6.7	65.7
10	13/32	1-1/8	5.9	3.96	23.76	10.8	105.9
12	15/32	1-1/2	9.5	6.38	38.28	16.5	161.9
14	9/16	1-3/4	12.8	8.60	51.60	22.0	215.8
16	5/8	2	16.0	10.75	64.50	27.5	269.8
18	23/32	2-1/4	20.8	13.98	83.88	35.0	343.3
20	13/16	2-1/2	25.5	17.14	102.84	41.5	407.1
22	7/8	2-3/4	30.5	20.50	123.00	50.0	490.5
24	15/16	3	35.8	24.06	144.36	58.0	569.0
26	1-1/32	3-1/4	41.0	27.55	165.30	66.0	647.4
28	1-1/8	3-1/2	46.5	31.25	187.50	74.0	725.9
30	1-3/16	3-3/4	52.0	34.94	209.64	81.5	799.5
32	1-1/4	4	57.0	39.30	235.80	88.5	868.2
34	1-11/32	4-1/4	62.5	42.00	252.00	96.0	841.7
36	1-7/16	4-1/2	68.0	45.69	274.14	104.0	1020.2
38	1-1/2	4-3/4	74.0	49.73	298.38	112.0	1098.7
40	1-19/32	5	84.0	56.45	338.70	127.0	1245.8
42	1-21/32	5-1/4	93.0	62.49	374.94	140.0	1373.4
44	1-3/4	5-1/2	102.0	68.54	411.24	152.0	1491.1
46	1-13/16	5-5/8	111.0	74.59	447.54	165.0	1618.6
48	1-7/8	6	121.0	81.31	487.86	179.0	1755.9
50	2	6-1/4	131.0	88.03	528.18	193.0	1893.3
52	2-1/16	6-1/2	141.0	94.75	568.50	206.0	2020.8
56	2-1/4	7	163.0	109.53	657.18	236.0	2315.1
60	2-3/8	7-1/2	175.0	117.59	705.54	252.0	2472.0
64	2-1/2	8	200.0	134.39	806.34	282.0	2766.3
68	2-11/16	8-1/2	226.0	151.86	911.16	316.0	3099.9
72	2-7/8	9	254.0	170.68	1024.08	348.0	3413.8
80	3-5/32	10	313.0	210.32	1261.92	422.0	4139.7
88	3-7/16	11	379.0	171.68	1030.08	503.0	4934.3
96	3-13/16	12	451.0	303.05	1818.30	588.0	5768.1

Manufactured and tested according to ISO and BSEN standard

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

