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SuperMax® II Rope

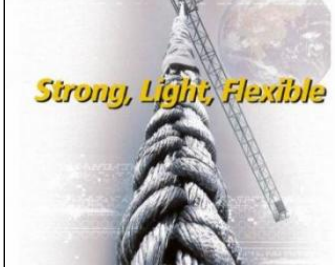
SuperMax® II Rope

SuperMax® II Rope	*SuperMax® II is the latest development of ultra high molecular weight polyethylene (UHMWPE), Dyneema® SK-75, fiber braided rope utilizing DSR's own rope design and manufacturing know-how's. *SuperMax® II has the strongest tensile strength per weight. **SuperMax® II is stronger than wire rope of same diameter, and it weighs 1/8 of wire rope. *SuperMax® II is treated with DSR's unique coating process and special heat treatment process to enhance its anti-abrasion characteristics.	Specification of SuperMax® II Rope					
		Diameter	Circumference	Weight	Breaking Strength		
		INCH	MM	INCH	MM	LBS/100FT	
						AVG(LBS)	MIN(LBS)
		1/4	6	3/4	18	1.51	8,910
		5/16	8	1	24	2.46	13,750
		3/8	9	1-1/8	27	3.45	19,690
		7/16	11	1-1/4	33	4.16	23,650
		1/2	12	1-1/2	36	6.2	35,090
		9/16	14	1-3/4	42	7.6	42,570
		5/8	16	2	48	10.3	57,530
		3/4	18	2-1/4	54	13.9	75,790
		13/16	20	2-1/2	60	15.9	83,050
		7/8	22	2-3/4	66	19.5	103,840
		1	24	3	72	23.4	123,200
		1-1/16	26	3-1/4	78	27.5	143,000
		1-1/8	28	3-1/2	84	31.7	163,900
		1-1/4	30	3-3/4	90	36.3	184,800
		1-5/16	32	4	96	42.9	216,700
		1-1/2	36	4-1/2	108	49.8	247,500
		1-5/8	40	5	120	65.7	323,400
		1-3/4	44	5-1/2	132	72.7	352,000
		2	48	6	144	82.8	398,200
		2-1/8	52	6-1/2	156	93.9	479,600
		2-1/4	56	7	168	114.6	539,000
		2-1/2	60	7-1/2	180	127	594,000
		2-5/8	64	8	192	145.8	667,700
		2-3/4	68	8-1/2	204	163	740,300
		3	72	9	216	196.5	874,500
		3-1/4	80	10	240	240.6	1,053,800

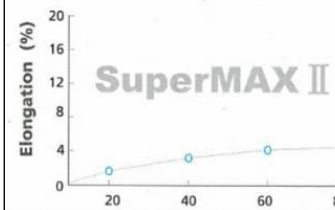
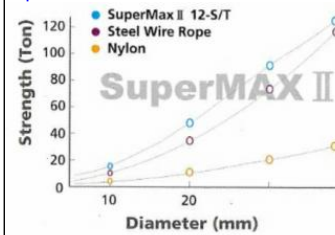


Breaking Strength

Elongation Table



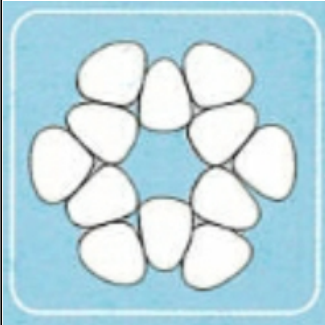
Maximum strength to weight ratio, and strength comparable to steel wire rope!



Breaking Load (%)

Characteristics

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



Applications

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

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