



Overhead Crane



Ladle Crane



Jib Crane



Foundation Equipment



Offshore Crane



Mobile Crane



Crawler Crane



Tower Crane



Luffing Crane



Truck Crane



Gantry Crane (STS)



RTG Crane



Straddle Carrier



Mobile Harbor Crane



Knuckle Boom Crane



Deck Crane



Ship Unloader

OFFERS SUPERIOR CRUSHING RESISTANCE
AND BEST RESISTANCE TO ABRASION.



VEROTOP XP

is a rotary swaged rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.

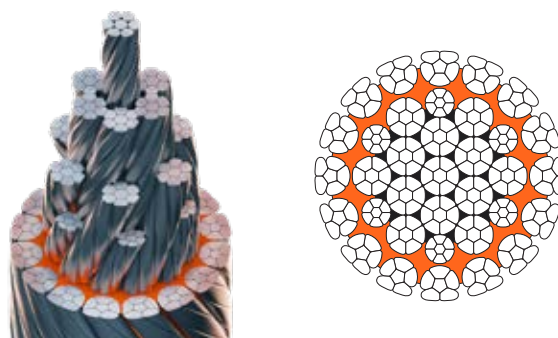


- verotop **XP** is the strongest of all rotation-resistant ropes.
- verotop **XP** has a very stable rope structure and achieves good bending fatigue results.
- verotop **XP** offers superior crushing resistance and best resistance to abrasion.
- verotop **XP** possesses perfect spooling behavior on multilayer drum.
- verotop **XP** can be used either with or without swivel.
- verotop **XP** is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. Average fill factor: 0.745 Ordinary or Lang Lay available. Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: $RCN = 23 - 1$
Further details: www.verope.com



VEROTOP XP



Nominal rope diameter		Approx mass	Minimum breaking force			
			Rope grade			
			1960		2160	
mm*	Inch	kg/m	kN	t	kN	t
12		0.720	140.4	14.3	152.9	15.6
12.7	1/2	0.807	157.2	16	171.2	17.4
13		0.845	164.7	16.8	179.4	18.3
14		0.981	191.1	19.5	208.1	21.2
15		1.126	219.3	22.4	238.9	24.3
16	5/8	1.281	249.6	25.4	271.8	27.7
17		1.446	281.7	28.7	306.8	31.3
18		1.621	315.8	32.2	344.0	35.1
19	3/4	1.806	351.9	35.9	383.3	39.1
20		2.001	389.9	39.7	424.7	43.3
21		2.206	429.9	43.8	468.2	47.7
22		2.421	471.8	48.1	513.8	52.4
22.4		2.510	489.1	49.8	532.7	54.3
23		2.646	515.7	52.5	561.6	57.2
24		2.882	561.5	57.2	611.5	62.3
25		3.127	609.3	62.1	663.5	67.6
25.4	1	3.228	628.9	64.1	684.9	69.8
26		3.382	659.0	67.1	717.7	73.1
27		3.647	710.6	72.4	773.9	78.9
28		3.922	764.3	77.9	832.3	84.8
28.6	1-1/8	4.092	797.4	81.3	868.4	88.5
29		4.207	819.8	83.5	892.8	91
30		4.503	877.3	89.4	955.5	97.4
31		4.808	936.8	95.5	1020	104
32	1-1/4	5.123	998.2	101.7	1087	110.8
33		5.448	1062	108.2	1156	117.8
34		5.783	1127	114.8	1227	125.1
35	1-3/8	6.128	1194	121.7	1301	132.5
36		6.484	1263	128.7	1376	140.2
38	1-1/2	7.224	1408	143.4	1533	156.2
40		8.004	1560	158.9	1699	173.1
41.3	1-5/8	8.533	1663	169.4	1811	184.5
42		8.825	1720	175.2	1873	190.8
44		9.685	1887	192.3	2055	209.4
45	1-3/4	10.131	1974	201.2	2150	219.1
46		10.586	2063	210.2	2246	228.9
47.5	1-7/8	11.288	2199	224.1	2395	244.1
48		11.526	2246	228.9	2446	249.3

Nominal rope diameter		Approx mass		Minimum breaking force tons ¹ of 2000 lbs	
				Rope grade	
				1960	2160
mm*	Inch	lb/ft ¹	kg/ft ¹	1960	2160
12		0.48	0.22	15.8	17.2
12.7	1/2	0.54	0.25	17.7	19.2
13		0.57	0.26	18.5	20.2
14		0.66	0.3	21.5	23.4
15		0.76	0.34	24.7	26.8
16	5/8	0.86	0.39	28	30.5
17		0.97	0.44	31.7	34.5
18		1.09	0.49	35.5	38.7
19	3/4	1.21	0.55	39.6	43.1
20		1.34	0.61	43.8	47.7
21		1.48	0.67	48.3	52.6
22		1.63	0.74	53	57.8
22.4		1.69	0.77	55	59.9
23		1.78	0.81	58	63.1
24		1.94	0.88	63.1	68.7
25		2.1	0.95	68.5	74.6
25.4	1	2.17	0.98	70.7	77
26		2.27	1.03	74.1	80.7
27		2.45	1.11	79.9	87
28		2.64	1.2	85.9	93.6
28.6	1-1/8	2.75	1.25	89.6	97.6
29		2.83	1.28	92.1	100.4
30		3.03	1.37	98.6	107.4
31		3.23	1.47	105.3	114.7
32	1-1/4	3.44	1.56	112.2	122.2
33		3.66	1.66	119.3	129.9
34		3.89	1.76	126.7	137.9
35	1-3/8	4.12	1.87	134.2	146.2
36		4.36	1.98	142	154.7
38	1-1/2	4.85	2.2	158.2	172.3
40		5.38	2.44	175.3	190.9
41.3	1-5/8	5.73	2.6	186.9	203.5
42		5.93	2.69	193.3	210.5
44		6.51	2.95	212.1	231
45	1-3/4	6.81	3.09	221.9	241.6
46		7.11	3.23	231.8	252.5
47.5	1-7/8	7.58	3.44	247.2	269.2
48		7.75	3.51	252.4	274.9

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* Standard tolerance: +2% to 4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

1) The values are indicative only. Authoritative figures remain the metric ones! Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications.

Relevant is our website www.verope.com