



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

PROVIDES EXTRAORDINARY BREAKING STRENGTH AND VERY GOOD RESISTANCE TO ROTATION.

# VEROTOP S+

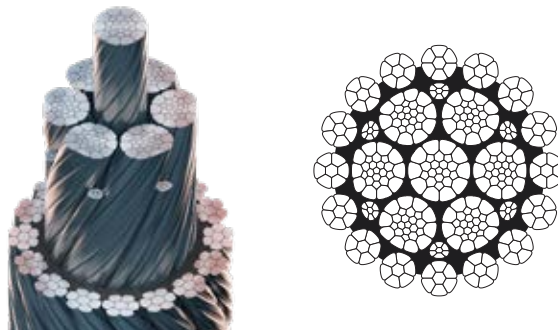
is a very flexible rotation-resistant rope with compacted outer strands and extraordinary high breaking strength.



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

The rope is fully lubricated. The finish available is either bright or galvanized. Average fill factor: 0.742 | Lay type: Lang Lay Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-2  
Further details: [www.verope.com](http://www.verope.com)

## VEROTOP S+



Nominal rope diameter		Approx mass	Minimum breaking force	
mm*	Inch		kg/m	t
13		0.867	179.1	18.3
14		1.005	207.7	21.2
15		1.154	238.5	24.3
16	5/8	1.313	271.3	27.6
17		1.482	306.3	31.2
18		1.662	343.4	35
19	3/4	1.851	382.6	39
20		2.051	424.0	43.2
21		2.262	467.4	47.6
22		2.482	513.0	52.3
22.4		2.573	531.8	54.2
23		2.713	560.7	57.1
24		2.954	610.5	62.2
25		3.205	662.5	67.5
25.4	1	3.309	683.8	69.7
26		3.467	716.5	73
27		3.739	772.7	78.7
28		4.021	831.0	84.7
28.6	1-1/8	4.195	867.0	88.3
29		4.313	891.4	90.8
30		4.616	953.9	97.2
31		4.928	1018.6	103.8
32	1-1/4	5.251	1085.4	110.6
33		5.585	1154.3	117.6
34		5.928	1225.3	124.9
35	1-3/8	6.282	1298.4	132.3
36		6.646	1373.7	140
38	1-1/2	7.405	1530.6	156
40		8.205	1695.9	172.8

Nominal rope diameter		Approx mass		Minimum breaking force
mm*	Inch	lb/ft <sup>1</sup>	kg/ft <sup>1</sup>	
13		0.58	0.26	20.1
14		0.68	0.31	23.4
15		0.78	0.35	26.8
16	5/8	0.88	0.4	30.5
17		1	0.45	34.4
18		1.12	0.51	38.6
19	3/4	1.24	0.56	43
20		1.38	0.63	47.7
21		1.52	0.69	52.5
22		1.67	0.76	57.7
22.4		1.73	0.78	59.8
23		1.82	0.83	63
24		1.98	0.9	68.6
25		2.15	0.98	74.5
25.4	1	2.22	1.01	76.9
26		2.33	1.06	80.5
27		2.51	1.14	86.9
28		2.7	1.23	93.4
28.6	1-1/8	2.82	1.28	97.4
29		2.9	1.31	100.2
30		3.1	1.41	107.2
31		3.31	1.5	114.5
32	1-1/4	3.53	1.6	122
33		3.75	1.7	129.7
34		3.98	1.81	137.7
35	1-3/8	4.22	1.92	145.9
36		4.47	2.03	154.4
38	1-1/2	4.98	2.26	172
40		5.51	2.5	190.6

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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](http://www.verope.com)