

Vero top P

- Lang’s lay

Benefits of Verotop P

- Verotop P is a rotation resistant rope suitable as hoist rope especially for cranes working in the marine environment, such as deck cranes on ships.
- Verotop P has a plastic layer between the inner and outer stands. All strands are compacted.
- The steel-plastic combination increases structural stability.
- Verotop P has an extremely high breaking strength with good resistance to drum crushing.
- The rope is fully lubricated and made both of galvanized and ungalvanized wires.
- Rotation resistant ropes should be used with a swivel.

Discard number of wires

Length	Lang’s Lay	
	6xd	30xd
discard	6	11

The basic design properties of Verotop P are

Total number of wires	259
Outer strands number of wires	126
Average fill factor	0,73
Average spin factor (1960 G)	0,81



Technical Data

Nominal Diameter		Calculated Breaking Strength				Minimum Breaking Strength				Approx. Weight
		1960 Grade		2160 Grade		1960 Grade		2160 Grade		
mm	inch	kN	t(M)	kN	t(M)	kN	t(M)	kN	t(M)	kg/m
16	5/8	288,5	29,41	316,4	32,27	233,1	23,77	248,7	25,36	1,330
17		325,7	33,21	357,2	36,43	263,1	26,83	280,8	28,63	1,502
18		365,1	37,23	400,5	40,84	295,0	30,08	314,8	32,10	1,684
19	3/4	406,8	41,48	446,2	45,50	328,7	33,51	350,7	35,76	1,876
20		450,7	45,96	494,4	50,42	364,2	37,14	388,6	39,63	2,079
21		496,9	50,67	545,1	55,58	401,5	40,94	428,5	43,69	2,292
22		545,4	55,61	598,3	61,00	440,7	44,93	470,2	47,95	2,515
22,4	7/8	565,4	57,65	620,2	63,24	456,8	46,58	487,5	49,71	2,608
23		596,1	60,78	653,9	66,67	481,6	49,11	513,9	52,41	2,749
24		649,1	66,18	712,0	72,60	524,4	53,48	599,6	57,06	2,994
25		704,3	71,81	772,5	78,77	569,0	58,02	607,2	61,92	3,248
25,4	1	727,0	74,13	797,5	81,31	587,4	59,90	626,8	63,91	3,353
26		761,7	77,67	835,6	85,20	615,5	62,76	656,8	66,97	3,513
27		821,5	83,76	901,1	91,88	663,7	67,68	708,3	72,22	3,789
28		883,4	90,08	969,1	98,81	713,8	72,79	761,7	77,67	4,075
28,6	1-1/8	921,7	93,98	1.011	103,1	744,7	75,94	794,7	81,03	4,251
29		947,7	96,63	1.040	106,0	765,7	78,08	817,1	83,31	4,371
30		1.014	103,4	1.112	113,4	819,4	83,56	874,4	89,16	4,677
31		1.083	110,4	1.188	121,1	875,0	89,22	933,7	95,20	4,955
32	1-1/4	1.154	117,7	1.266	129,1	932,3	95,07	994,9	101,4	5,322
33		1.227	125,1	1.346	137,3	991,5	101,1	1.058	107,9	5,660
34		1.303	132,8	1.429	145,7	1.053	107,3	1.123	114,5	6,008
35	1-3/8	1.380	140,8	1.514	154,4	1.115	113,7	1.190	121,4	6,367
36		1.460	148,9	1.602	163,3	1.180	120,3	1.259	128,4	6,736
38	1-1/2	1.627	165,9	1.785	182,0	1.315	134,1	1.403	143,1	7,505
40		1.803	183,8	1.978	201,7	1.457	148,5	1.554	158,5	8,316