

**NAVIGATION**

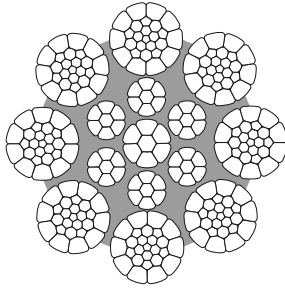
// ROTATION-RESISTANT

// SEMI-ROTATION-RESISTANT

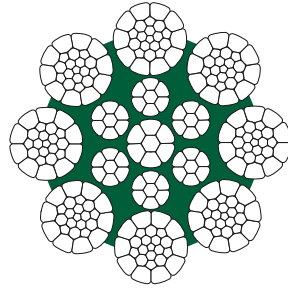
// NON-ROTATION-RESISTANT

**HD 8 K (Option PPI)**  
 SC 6 K  
 DP 8 K (Option PPI)  
 DP 10 K  
 LP 5

**OLIVEIRA HD 8 K**



**OLIVEIRA HD 8 K PPI**



**PROPERTIES**



**APPLICATIONS**

When rotation resistant ropes are not required (twin hoist systems with right and left ropes, small heights). Hoist for steel mill cranes, container cranes, floating cranes and boom hoist for deck cranes, luffing and mobile cranes, grab cranes

**OVERVIEW**

RCN	Diameter range [mm]	Construction	Number of outer strands	Number of wires	Number of outer load bearing wires	Average fill factor	Average spin factor
03	8 – 11	8xK12	8	145	96	0,672	
03	12 – 14	8xK17	8	185	136	0,675	0,85 (1770*)
09	15 – 28,58	8xK26	8	257	208	0,677	0,85 (1960*)
11	30 – 42	8xK31	8	297	248	0,673	0,82 (2160*)
13	44 – 60	8xK36	8	407	288	0,683	
13	62 – 64	8xK36	8	475	288	0,671	0,84 (1770*)
							0,83 (1960*)
>13	66 – 72	8xK41	8	515	328	0,666	0,81 (2160*)

- Temperature range of use: -50°C to +100°C
- Temperature range of use for option PPI: -50°C to +80°C
- Please add 1.5% on the weight for ropes with PPI
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand

nominal diameter	weight	minimum breaking force							
		1770 N/mm <sup>2</sup>		1960 N/mm <sup>2</sup>		2160 N/mm <sup>2</sup>			
mm	inch	kg/m	lb/ft	kN t [metric]	lbs t [2000 lbs]	kN t [metric]	lbs t [2000 lbs]	kN t [metric]	lbs t [2000 lbs]
8	5/16	0,30	0,20	50,4	5,66	55,8	5,69	12,544	6,27
9		0,37	0,25	63,3	6,46	70,1	7,15	15,763	7,88
9,53	3/8	0,39	0,26	66,8	6,81	74,0	7,54	16,627	8,31
10		0,47	0,31	78,3	7,98	86,7	8,84	19,489	9,74
11	7/16	0,57	0,38	96,7	9,86	107,0	10,92	24,064	12,03
12		0,65	0,44	115,1	11,74	126,4	12,89	28,415	14,21
12,70	1/2	0,71	0,48	124,4	12,69	138,0	14,07	31,015	15,51
13		0,77	0,52	136,6	13,93	149,0	15,19	33,491	16,75
14		0,90	0,61	157,9	16,10	174,8	17,82	39,297	19,65
15		1,03	0,69	180,0	18,35	202,7	20,67	45,569	22,78
15,88	5/8	1,15	0,77	200,0	20,39	220,0	22,43	49,458	24,73
16		1,16	0,78	204,0	20,80	229,4	23,39	51,571	25,79
17		1,30	0,87	227,0	23,15	250,0	25,49	56,202	28,10
18		1,49	1,00	260,2	26,53	288,2	29,39	64,790	32,39
19	3/4	1,64	1,10	292,1	29,79	323,5	32,99	72,726	36,36
20		1,84	1,23	321,0	32,73	355,5	36,25	79,920	39,96
22		2,21	1,49	391,7	39,94	433,7	44,23	97,500	48,75
22,23	7/8	2,26	1,52	394,9	40,27	435,0	44,36	97,792	48,90
24		2,63	1,77	464,5	47,37	514,3	52,44	115,619	57,81
25		2,86	1,92	504,2	51,41	558,2	56,92	125,488	62,74
25,40	1	2,94	1,98	519,0	52,92	572,0	58,33	128,591	64,30
26		3,13	2,10	548,9	55,97	607,8	61,98	136,639	68,32
28		3,60	2,42	629,6	64,20	697,3	71,10	156,759	78,38
28,58	1 1/8	3,67	2,46	638,0	65,06	707,0	72,09	158,940	79,47
30		4,12	2,77	727,1	74,14	803,0	81,88	180,522	90,26
31,75	1 1/4	4,59	3,09	812,0	82,80	895,0	91,26	201,204	100,60
32		4,67	3,14	828,0	84,43	911,0	92,90	204,801	102,40
34		5,29	3,56	936,4	95,49	1,025,0	104,52	230,429	115,21
34,93	1 3/8	5,51	3,70	954,0	97,28	1,057,0	107,78	237,623	118,81
36		5,84	3,93	1,040,0	106,05	1,150,0	117,27	258,530	129,27
38	1 1/2	6,58	4,42	1,159,0	118,19	1,271,0	129,61	285,732	142,87
40		7,30	4,90	1,285,0	131,03	1,410,0	143,78	316,981	158,49
41,28	1 5/8	7,47	5,02	1,305,0	133,07	1,464,0	149,29	329,120	164,56
42		7,98	5,36	1,403,0	143,07	1,538,0	156,83	345,756	172,88
44		9,00	6,05	1,554,0	158,46	1,736,0	177,02	390,268	195,13
44,45	1 3/4	9,04	6,08	1,572,0	160,30	1,743,0	177,74	391,842	195,92
46		9,78	6,57	1,713,0	174,68	1,883,0	192,01	423,315	211,66
47,63	1 7/8	10,40	6,99	1,774,0	180,90	1,964,0	200,27	441,525	220,76
48		10,61	7,13	1,858,0	189,46	2,055,0	209,55	461,982	230,99
50		11,62	7,81	1,986,0	202,52	2,253,0	229,74	506,494	253,25
50,80	2	11,87	7,98	2,044,0	208,43	2,283,0	232,80	513,239	256,62
52		12,51	8,41	2,147,0	218,93	2,427,0	247,49	545,611	272,81
54	2 1/8	13,49	9,07	2,316,0	236,17	2,607,0	265,84	586,077	293,04
56		14,59	9,80	2,480,0	252,89	2,800,0	285,52	629,465	314,73
57,15	2 1/4	14,92	10,03	2,572,0	262,27	2,849,0	290,52	640,481	320,24
58		15,67	10,53	2,649,0	270,12	2,957,0	301,53	664,760	332,38
60		16,71	11,23	2,842,0	289,80	3,143,0	320,50	706,574	353,29
60,33	2 3/8	16,71	11,23	2,844,0	290,01	3,147,0	320,90	707,474	353,74
62		17,45	11,73	2,969,0	302,75	3,277,0	334,16	736,699	368,35
63,50	2 1/2	18,15	12,20	3,092,0	315,30	3,424,0	349,15	769,746	384,87
64		18,66	12,54	3,200,0	326,31	3,509,0	357,82	788,854	394,43
66		19,67	13,22	3,389,0	345,58	3,708,0	378,11	833,591	416,80
66,68	2 5/8	19,94	13,40	3,405,0	347,21	3,760,0	383,41	845,281	422,64
68		20,81	13,98	3,565,0	363,53	3,924,0	400,14	882,150	441,08
70	2 3/4	21,69	14,57	3,733,0	380,66	4,026,0	410,54	905,081	452,54
72		23,26	15,63	3,965,0	404,32	4,250,0	433,38	955,438	477,72

Special constructions and diameters available - please contact us directly.