

NAVIGATION

// ROTATION-RESISTANT

// SEMI-ROTATION-RESISTANT

// NON-ROTATION-RESISTANT

HD 8 K (Option PPI)

HD 9 K (Option PPI)

SC 6 K

SC 8 C (Option PPI)

DP 8 K (Option PPI)

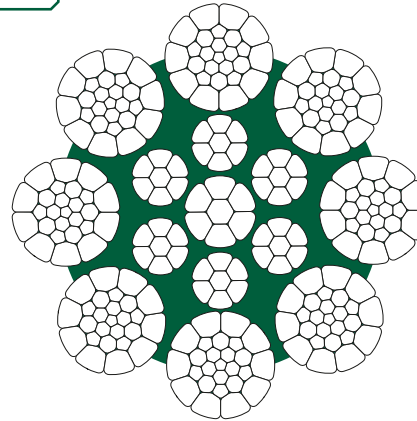
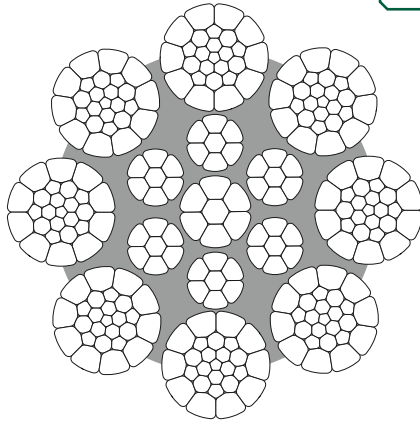
DP 10 K

LP 5

OLIVEIRA HD 8 K

OLIVEIRA HD 8 K PPI

IMPROVED
DESIGN



PROPERTIES



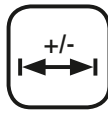
No Swivel



Compacted

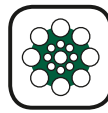


Lubricated



Tolerance

+



PPI

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*)
>13	66 – 72	8xK41	8	515	328	0,666	0,83 (1960*)
							0,81 (2160*)

- Temperature range of use: -50°C to +100°C
- Temperature range of use for option PPI: -50°C to +80°C
- Option PPI – only available for diameter \geq 13mm
- 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

minimum breaking force

nominal diameter		weight		1770 N/mm ²								1960 N/mm ²				2160 N/mm ²			
				kN t [metric]		lbs t [2000 lbs]		kN t [metric]		lbs t [2000 lbs]		kN t [metric]		lbs t [2000 lbs]		kN t [metric]		lbs t [2000 lbs]	
mm	inch	kg/m	lb/ft																
8	5/16	0,30	0,20	50,4	5,14	11.328	5,66	55,8	5,69	12.544	6,27	57,7	5,88	12.971	6,49				
9		0,37	0,25	63,3	6,46	14.235	7,12	70,1	7,15	15.763	7,88	73,6	7,50	16.535	8,27				
9,53	3/8	0,39	0,26	66,8	6,81	15.016	7,51	74,0	7,54	16.627	8,31	79,6	8,12	17.899	8,95				
10		0,46	0,31	78,3	7,98	17.600	8,80	86,7	8,84	19.489	9,74	92,4	9,42	20.772	10,39				
11	7/16	0,57	0,38	96,7	9,86	21.732	10,87	107,0	10,92	24.064	12,03	112,0	11,42	25.179	12,59				
12		0,65	0,44	115,1	11,74	25.876	12,94	126,4	12,89	28.415	14,21	132,6	13,52	29.800	14,90				
12,70	1/2	0,71	0,48	124,4	12,69	27.966	13,98	138,0	14,07	31.015	15,51	144,7	14,76	32.530	16,26				
13		0,77	0,52	136,6	13,93	30.709	15,35	149,0	15,19	33.491	16,75	156,2	15,93	35.123	17,56				
14		0,90	0,61	157,9	16,10	35.497	17,75	174,8	17,82	39.297	19,65	187,0	19,07	42.039	21,02				
15		1,03	0,69	180,0	18,35	40.466	20,23	202,7	20,67	45.569	22,78	214,0	21,82	48.109	24,05				
15,88	5/8	1,15	0,77	200,0	20,39	44.962	22,48	220,0	22,43	49.458	24,73	235,0	23,96	52.830	26,42				
16		1,16	0,78	204,0	20,80	45.861	22,93	229,4	23,39	51.571	25,79	242,4	24,72	54.494	27,25				
18		1,49	1,00	260,2	26,53	58.495	29,25	288,2	29,39	64.790	32,39	307,0	31,31	69.016	34,51				
19	3/4	1,64	1,10	292,1	29,79	65.667	32,83	323,5	32,99	72.726	36,36	342,0	34,87	76.885	38,44				
20		1,84	1,23	321,0	32,73	72.164	36,08	355,5	36,25	79.920	39,96	379,0	38,65	85.203	42,60				
22		2,21	1,49	391,7	39,94	88.058	44,03	433,7	44,23	97.500	48,75	458,5	46,75	103.075	51,54				
22,23	7/8	2,26	1,52	394,9	40,27	88.784	44,39	435,0	44,36	97.792	48,90	462,0	47,11	103.862	51,93				
24		2,63	1,77	464,5	47,37	104.424	52,21	514,3	52,44	115.619	57,81	556,0	56,70	124.994	62,50				
25		2,86	1,92	504,2	51,41	113.349	56,67	558,2	56,92	125.488	62,74	602,0	61,39	135.335	67,67				
25,40	1	2,94	1,98	519,0	52,92	116.676	58,34	572,0	58,33	128.591	64,30	611,0	62,30	137.358	68,68				
26		3,11	2,09	548,9	55,97	123.398	61,70	607,8	61,98	136.639	68,32	655,0	66,79	147.250	73,62				
28		3,57	2,40	629,6	64,20	141.540	70,77	697,3	71,10	156.759	78,38	748,0	76,27	168.157	84,08				
28,58	1 1/8	3,67	2,46	638,0	65,06	143.428	71,71	707,0	72,09	158.940	79,47	751,0	76,58	168.831	84,42				
30		4,12	2,77	727,1	74,14	163.459	81,73	803,0	81,88	180.522	90,26	864,0	88,10	194.235	97,12				
31,75	1 1/4	4,59	3,09	812,0	82,80	182.545	91,27	895,0	91,26	201.204	100,60	951,0	96,98	213.793	106,90				
32		4,67	3,14	828,0	84,43	186.142	93,07	911,0	92,90	204.801	102,40	968,0	98,71	217.615	108,81				
34		5,29	3,56	936,4	95,49	210.511	105,26	1.024,9	104,51	230.407	115,20	1.091,0	111,25	245.267	122,63				
34,93	1 3/8	5,51	3,70	954,0	97,28	214.468	107,23	1.057,0	107,78	237.623	118,81	1.109,0	113,09	249.313	124,66				
36		5,84	3,93	1.040,1	106,06	233.824	116,91	1.150,0	117,27	258.530	129,27	1.217,0	124,10	273.592	136,80				
38	1 1/2	6,58	4,42	1.159,3	118,22	260.621	130,31	1.270,6	129,56	285.634	142,82	1.332,5	135,88	299.553	149,78				
40		7,30	4,90	1.285,5	131,08	288.992	144,50	1.409,8	143,76	316.946	158,47	1.478,6	150,77	332.392	166,20				
41,28	1 5/8	7,47	5,02	1.305,0	133,07	293.370	146,69	1.464,3	149,32	329.183	164,59	1.535,6	156,59	345.226	172,61				
42		7,98	5,36	1.403,6	143,13	315.542	157,77	1.538,4	156,87	345.835	172,92	1.613,3	164,51	362.688	181,34				
44		9,00	6,05	1.554,3	158,49	349.420	174,71	1.735,6	176,98	390.183	195,09	1.820,2	185,61	409.198	204,60				
44,45	1 3/4	9,06	6,09	1.572,2	160,32	353.456	176,73	1.743,4	177,78	391.939	195,97	1.828,4	186,44	411.038	205,52				
46		9,78	6,57	1.713,0	174,68	385.098	192,55	1.883,2	192,03	423.356	211,68	1.975,0	201,39	443.987	221,99				
47,63	1 7/8	10,40	6,99	1.774,0	180,90	398.811	199,41	1.964,0	200,27	441.525	220,76	2.112,0	215,36	474.796	237,40				
48		10,61	7,13	1.858,8	189,54	417.875	208,94	2.055,3	209,58	462.054	231,03	2.155,5	219,80	484.571	242,29				
50		11,62	7,81	1.986,0	202,52	446.470	223,24	2.252,9	229,73	506.469	253,23	2.362,7	240,93	531.150	265,57				
50,80	2	11,87	7,98	2.044,7	208,50	459.657	229,83	2.283,4	232,84	513.324	256,66	2.394,7	244,19	538.341	269,17				
52		12,51	8,41	2.147,0	218,93	482.665	241,33	2.426,9	247,48	545.594	272,80	2.545,2	259,54	572.182	286,09				
54	2 1/8	13,49	9,07	2.316,2	236,19	520.702	260,35	2.607,0	265,84	586.073	293,04	2.734,0	278,79	614.633	307,32				
56		14,59	9,80	2.480,1	252,90	557.549	278,77	2.805,0	286,03	630.588	315,29	2.941,7	299,97	661.318	330,66				
57,15	2 1/4	14,92	10,03	2.572,9	262,36	578.412	289,21	2.849,1	290,53	640.502	320,25	3.027,7	308,74	680.650	340,33				
58		15,69	10,55	2.649,5	270,17	595.631	297,82	3.020,9	308,04	679.120	339,56	3.168,1	323,06	712.215	356,11				
60		16,71	11,23	2.842,4	289,84	638.997	319,50	3.224,0	328,75	724.776	362,39	3.381,1	344,77	760.096	380,05				
60,33	2 3/8	16,71	11,23	2.844,0	290,01	639.357	319,68	3.225,0	328,86	725.009	362,50	3.383,0	344,97	760.529	380,26				
62		17,45	11,73	2.969,0	302,75	667.458	333,73	3.280,0	334,47	737.373	368,69	3.528,0	359,76	793.126	396,56				
63,50	2 1/2	18,17	12,21	3.092,0	315,30	695.109	347,55	3.485,0	355,37	783.459	391,73	3.682,0	375,46	827.746	413,87				
64		18,66	12,54	3.200,0	326,31	719.388	359,69	3.589,0	365,98	806.839	403,42	3.764,0	383,82	846.181	423,09				
66		19,67	13,22	3.389,0	345,58	761.877	380,94	3.708,0	378,11	833.591	416,80	3.988,0	406,66	896.538	448,27				
66,68	2 5/8	19,94	13,40	3.440,0	350,78	773.343	386,67	3.760,0	383,41	845.281	422,64	4.050,0	412,99	910.476	455,24				
68		20,81	13,98	3.585,0	365,57	805.940	402,97	3.924,0	400,14	882.150	441,08	4.220,0	430,32	948.694	474,35				
70	2 3/4	21,69	14,57	3.778,0	385,24	849.319	424,66	4.133,7	421,52	929.292	464,65	4.445,7	453,34	999.440	499,72				
72		23,26	15,63	4.012,7	409,18	902.096	451,05	4.390,6	447,71	987.039	493,52	4.722,0	481,51	1.061.547	530,77				

Special constructions and diameters available - please contact us directly.