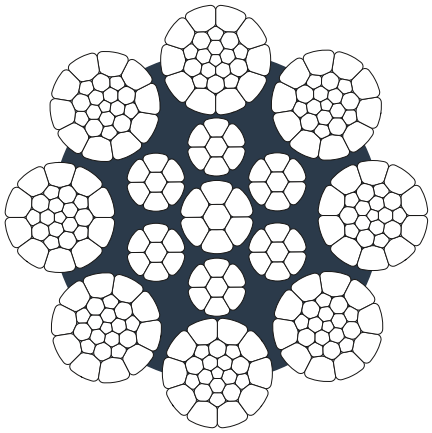
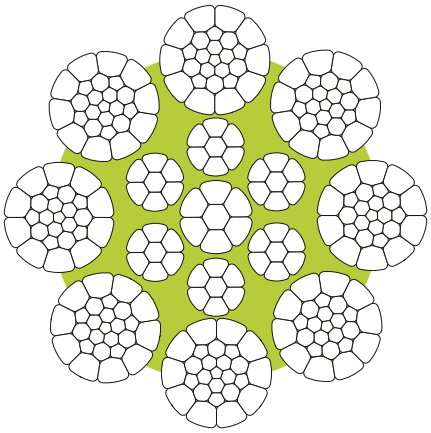
OLIVEIRA
HD 8 K



OLIVEIRA
HD 8 K PPI



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 *N/mm²
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 +75°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/mm²				1960 N/mm²				2160 N/mm²			
mm	inch	kg/m	lb/ft	kN	t [metric]	lbs	t[2000lbs]	kN	t [metric]	lbs	t[2000lbs]	kN	t [metric]	lbs	t[2000lbs]
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		0,45	0,30	**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
17		1,30	0,87	**227,0**	23,15	51.032	25,52	**250,0**	25,49	56.202	28,10	**267,0**	27,23	60.024	30,01
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		3,13	2,10	**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		3,60	2,42	**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	**1.025**	104,52	230.429	115,21	**1.091**	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**	107,78	237.623	118,81	**1.109**	113,09	249.313	124,66
36		5,84	3,93	**1.040**	106,05	233.801	116,90	**1.150**	117,27	258.530	129,27	**1.217**	124,10	273.592	136,80
38	1 1/2	6,58	4,42	**1.159**	118,19	260.554	130,28	**1.271**	129,61	285.732	142,87	**1.332**	135,83	299.445	149,72
40		7,30	4,90	**1.285**	131,03	288.879	144,44	**1.410**	143,78	316.981	158,49	**1.478**	150,71	332.268	166,13
41,28	1 5/8	7,47	5,02	**1.305**	133,07	293.376	146,69	**1.464**	149,29	329.120	164,56	**1.535**	156,53	345.082	172,54
42		7,98	5,36	**1.403**	143,07	315.407	157,70	**1.538**	156,83	345.756	172,88	**1.613**	164,48	362.617	181,31
44		9,00	6,05	**1.554**	158,46	349.353	174,68	**1.736**	177,02	390.268	195,13	**1.820**	185,59	409.152	204,58
44,45	1 3/4	9,04	6,08	**1.572**	160,30	353.400	176,70	**1.743**	177,74	391.842	195,92	**1.828**	186,40	410.951	205,48
46		9,78	6,57	**1.713**	174,68	385.098	192,55	**1.883**	192,01	423.315	211,66	**1.975**	201,39	443.998	222,00
47,63	1 7/8	10,40	6,99	**1.774**	180,90	398.811	199,41	**1.964**	200,27	441.525	220,76	**2.112**	215,36	474.796	237,40
48		10,61	7,13	**1.858**	189,46	417.695	208,85	**2.055**	209,55	461.982	230,99	**2.155**	219,75	484.463	242,23
50		11,62	7,81	**1.986**	202,52	446.470	223,24	**2.253**	229,74	506.494	253,25	**2.362**	240,86	530.999	265,50
50,80	2	11,87	7,98	**2.044**	208,43	459.509	229,75	**2.283**	232,80	513.239	256,62	**2.394**	244,12	538.193	269,10
52		12,51	8,41	**2.147**	218,93	482.665	241,33	**2.427**	247,49	545.611	272,81	**2.545**	259,52	572.139	286,07
54	2 1/8	13,49	9,07	**2.316**	236,17	520.657	260,33	**2.607**	265,84	586.077	293,04	**2.734**	278,79	614.628	307,31
56		14,59	9,80	**2.480**	252,89	557.526	278,76	**2.800**	285,52	629.465	314,73	**2.925**	298,27	657.566	328,78
57,15	2 1/4	14,92	10,03	**2.572**	262,27	578.208	289,10	**2.849**	290,52	640.481	320,24	**3.010**	306,93	676.675	338,34
58		15,67	10,53	**2.649**	270,12	595.519	297,76	**2.957**	301,53	664.760	332,38	**3.102**	316,32	697.357	348,68
60		16,71	11,23	**2.842**	289,80	638.907	319,45	**3.143**	320,50	706.574	353,29	**3.297**	336,20	741.195	370,60
60,33	2 3/8	16,71	11,23	**2.844**	290,01	639.357	319,68	**3.147**	320,90	707.474	353,74	**3.301**	336,61	742.094	371,05
62		17,45	11,73	**2.969**	302,75	667.458	333,73	**3.277**	334,16	736.699	368,35	**3.448**	351,60	775.141	387,57
63,50	2 1/2	18,15	12,20	**3.092**	315,30	695.109	347,55	**3.424**	349,15	769.746	384,87	**3.591**	366,18	807.289	403,64
64		18,66	12,54	**3.200**	326,31	719.388	359,69	**3.509**	357,82	788.854	394,43	**3.680**	375,26	827.297	413,65
66		19,67	13,22	**3.389**	345,58	761.877	380,94	**3.708**	378,11	833.591	416,80	**3.896**	397,28	875.855	437,93
66,68	2 5/8	19,94	13,40	**3.405**	347,21	765.474	382,74	**3.760**	383,41	845.281	422,64	**3.954**	403,20	888.894	444,45
68		20,81	13,98	**3.565**	363,53	801.444	400,72	**3.924**	400,14	882.150	441,08	**4.117**	419,82	925.538	462,77
70	2 3/4	21,69	14,57	**3.733**	380,66	839.212	419,61	**4.026**	410,54	905.081	452,54	**4.330**	441,54	973.423	486,71
72		23,26	15,63	**3.965**	404,32	891.367	445,68	**4.250**	433,38	955.438	477,72	**4.570**	466,01	1.027.377	513,69

Special constructions and diameters available – please contact us directly.