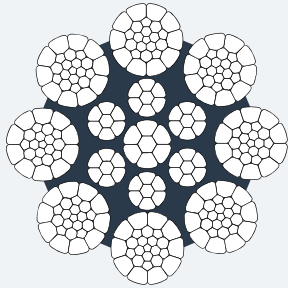
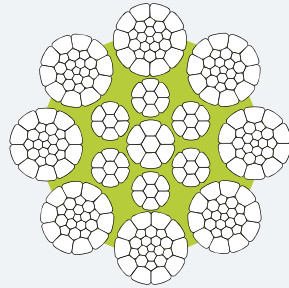


OLIVEIRA HD 8 K



OLIVEIRA HD 8 K PPI



PROPERTIES



No Swivel



COMPACT



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

minimum breaking force

nominal diameter		weight		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]	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	697,557	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