

OLIVEIRA HD 8 K PPI

- ★ 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 ≥ 13 mm.
- ★ 1.5% unit weight increase for PPI ropes.
- ★ Available in ordinary lay and lang's lay.
- ★ Available in right hand and left hand.
- ★ Should not be used with a swivel.

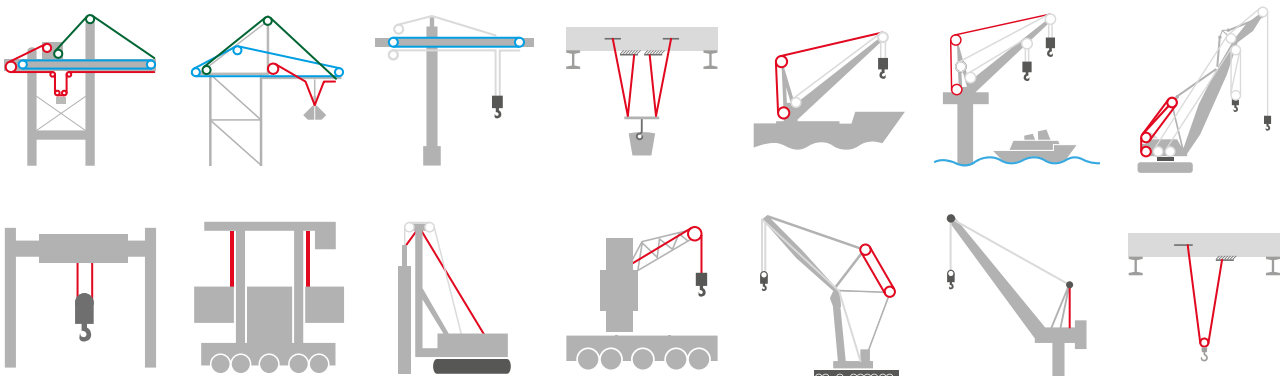
Applications:

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



GENERAL VIEW

Category No: RCN	Diameter Range	Rope Construction	Number of Outer Strands	Number of Total Wires	Number of Wires in Outer Strands	Average Fill Factor	Average Spin Factor
03	8 - 11	8xK12	8	145	96	0.6720	0.8500 (1770 N/mm ²) 0.8500 (1960 N/mm ²) 0.8200 (2160 N/mm ²)
03	12 - 14	8xK17	8	185	136	0.6750	
09	15 - 28,58	8xK26	8	257	208	0.6770	
11	30 - 42	8xK31	8	297	248	0.6730	





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Rope Diameter		Minimum Breaking Force 1960 N/mm ²				Minimum Breaking Force 2160 N/mm ²				Weight	
(mm)	(inch)	(kN)	(ton)	(lbs)	(ton, 2000 lbs)	(kN)	(ton)	(lbs)	(ton, 2000 lbs)	(kg/m)	(lb/ft)
8	5/16	55,80	5,69	12.544	6,27	57,70	5,88	12.971	6,49	0,30	0,20
9		70,10	7,15	15.763	7,88	73,60	7,50	16.535	8,27	0,37	0,25
9.53	3/8	74,00	7,54	16.627	8,31	79,60	8,12	17.899	8,95	0,39	0,26
10		86,70	8,84	19.489	9,74	92,40	9,42	20.772	10,39	0,46	0,31
11	7/16	107,00	10,92	24.064	12,03	112,00	11,42	25.179	12,59	0,57	0,38
12		126,40	12,89	28.415	14,21	132,60	13,52	29.800	14,90	0,65	0,44
12.7	1/2	138,00	14,07	31.015	15,51	144,70	14,76	32.530	16,26	0,71	0,48
13		149,00	15,19	33.491	16,75	156,20	15,93	35.123	17,56	0,77	0,52
14		174,80	17,82	39.297	19,65	187,00	19,07	42.039	21,02	0,90	0,61
15		202,70	20,67	45.569	22,78	214,00	21,82	48.109	24,05	1,03	0,69
15.88	5/8	220,00	22,43	49.458	24,73	235,00	23,96	52.830	26,42	1,15	0,77
16		229,40	23,39	51.571	25,79	242,40	24,72	54.494	27,25	1,16	0,78
18		288,20	29,39	64.790	32,39	307,00	31,31	69.016	34,51	1,49	1,00
19	3/4	323,50	32,99	72.726	36,36	342,00	34,87	76.885	38,44	1,64	1,10
20		355,50	36,25	79.920	39,96	379,00	38,65	85.203	42,60	1,84	1,23
22		433,70	44,23	97.500	48,75	458,50	46,75	103.075	51,54	2,21	1,49
22.23	7/8	435,00	44,36	97.792	48,90	462,00	47,11	103.862	51,93	2,26	1,52
24		514,30	52,44	115.619	57,81	556,00	56,70	124.994	62,50	2,63	1,77
25		558,20	56,92	125.488	62,74	602,00	61,39	135.335	67,67	2,86	1,92
25.4	1	572,00	58,33	128.591	64,30	611,00	62,30	137.358	68,68	2,94	1,98
26		607,80	61,98	136.639	68,32	655,00	66,79	147.250	73,62	3,11	2,09
28		697,30	71,10	156.759	78,38	748,00	76,27	168.157	84,08	3,57	2,40
28.58	1 1/8	707,00	72,09	158.940	79,47	751,00	76,58	168.831	84,42	3,67	2,46
30		803,00	81,88	180.522	90,26	864,00	88,10	194.235	97,12	4,12	2,77
31.75	1 1/4	895,00	91,26	201.204	100,60	951,00	96,98	213.793	106,90	4,59	3,09
32		911,00	92,90	204.801	102,40	968,00	98,71	217.615	108,81	4,67	3,14
34		1.024,90	104,51	230.407	115,20	1.091,00	111,25	245.267	122,63	5,29	3,56
34.93	1 3/8	1.057,00	107,78	237.623	118,81	1.109,00	113,90	249.313	124,66	5,51	3,70
36		1.150,00	117,27	258.530	129,27	1.217,00	124,10	273.592	136,80	5,84	3,93
38	1 1/2	1.270,60	129,56	285.634	142,82	1.332,50	135,88	299.553	149,78	6,58	4,42
40		1.409,80	143,76	316.946	158,47	1.478,60	150,77	332.392	166,20	7,30	4,90
41.28	1 5/8	1.464,30	149,32	329.183	164,59	1.535,60	156,59	345.226	172,61	7,47	5,02
42		1.538,40	156,87	345.835	172,92	1.613,30	164,51	362.688	181,34	7,98	5,36
44		1.735,60	176,98	390.183	195,09	1.820,20	185,61	409.198	204,60	9,00	6,05
44.45	1 3/4	1.743,40	177,78	391.939	195,97	1.828,40	186,44	411.038	205,52	9,06	6,09
46		1.883,20	192,03	423.356	211,68	1.975,00	201,39	443.987	221,99	9,78	6,57
47.63	1 7/8	1.964,00	200,27	441.525	220,76	2.112,00	215,36	474.796	237,40	10,40	6,99
48		2.055,30	209,58	462.054	231,03	2.155,50	219,80	484.571	242,29	10,61	7,13
50		2.252,90	229,73	506.469	253,23	2.362,70	240,93	531.150	265,57	11,62	7,81
50.8	2	2.283,40	232,84	513.324	256,66	2.394,70	244,19	538.341	269,17	11,87	7,98
52		2.426,90	247,48	545.594	272,80	2.545,20	259,54	572.182	286,09	12,51	8,41