

## NAVIGATION

// ROTATION-RESISTANT

// SEMI-ROTATION-RESISTANT

// NON-ROTATION-RESISTANT

HD 8 K (Option PPI)

HD 9 K (Option PPI)

SC 6 K

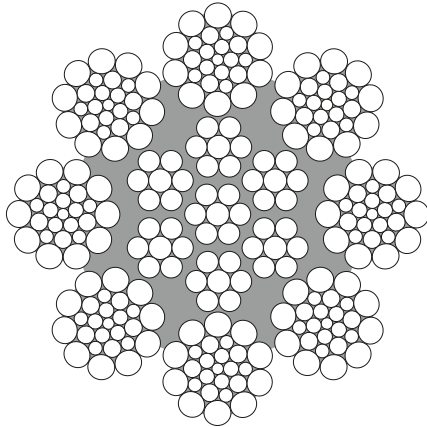
**SC 8 C (Option PPI)**

DP 8 K (Option PPI)

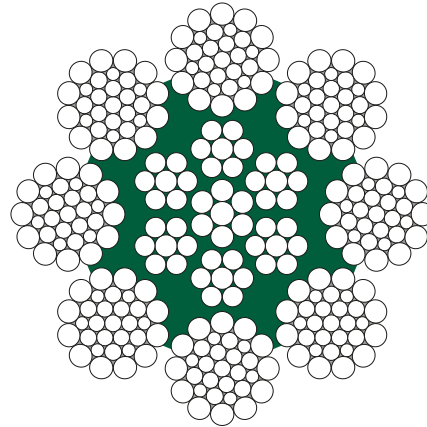
DP 10 K

LP 5

## OLIVEIRA SC 8 C



## OLIVEIRA SC 8 C PPI



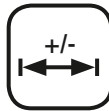
## PROPERTIES



No Swivel

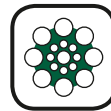


Lubricated



Tolerance

+



PPI

## APPLICATIONS

Can be used for all applications as the HD 8 K PPI when a very high MBL is not required.

Can be used for flexible slings.

## 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 – 15	8x17	8	185	136	0,618	
09	15,88 – 28,58	8x26	8	257	208	0,634	
11	30 – 44,45	8x31	8	297	248	0,633	0,83 (1770*)
13	46 – 62	8x36	8	421	288	0,651	0,83 (1960*)
13	63,50 – 68	8x36	8	428	288	0,633	0,81 (2160*)
>13	70 – 72	8x41	8	515	328	0,632	

- 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  $\geq 13$ mm
- 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>			
				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]	kN t [metric]	lbs t [2000 lbs]	kN t [metric]	lbs t [2000 lbs]
mm	inch														
8	5/16	0,26	0,18	44,9	4,57	10.083	5,04	49,7	5,06	11.166	5,58	53,4	5,45	12.009	6,00
9		0,33	0,22	57,1	5,82	12.842	6,42	63,3	6,45	14.220	7,11	68,0	6,94	15.293	7,65
9,53	3/8	0,37	0,25	64,1	6,54	14.416	7,21	71,0	7,24	15.964	7,98	76,4	7,79	17.169	8,58
10		0,41	0,28	70,5	7,19	15.859	7,93	78,1	7,97	17.561	8,78	84,0	8,57	18.887	9,44
11	7/16	0,50	0,34	86,1	8,78	19.361	9,68	95,4	9,72	21.439	10,72	102,6	10,46	23.057	11,53
12		0,60	0,41	103,6	10,57	23.293	11,65	114,7	11,70	25.793	12,90	123,4	12,58	27.740	13,87
12,70	1/2	0,68	0,46	116,0	11,82	26.067	13,03	128,6	13,11	28.899	14,45	137,4	14,01	30.889	15,44
13		0,71	0,48	121,3	12,37	27.260	13,63	134,3	13,69	30.187	15,09	144,4	14,73	32.465	16,23
14		0,83	0,56	141,6	14,44	31.834	15,92	156,8	15,99	35.251	17,63	168,6	17,20	37.912	18,96
15		0,95	0,64	162,4	16,56	36.510	18,26	179,8	18,34	40.429	20,21	193,4	19,72	43.481	21,74
15,88	5/8	1,10	0,74	186,0	18,97	41.823	20,91	206,0	21,01	46.311	23,16	220,1	22,45	49.491	24,75
16		1,11	0,74	188,8	19,26	42.451	21,23	209,1	21,32	47.008	23,50	224,9	22,93	50.556	25,28
18		1,39	0,93	237,0	24,17	53.277	26,64	262,4	26,76	58.996	29,50	282,2	28,78	63.449	31,72
19	3/4	1,53	1,03	261,3	26,64	58.736	29,37	289,3	29,50	65.041	32,52	311,2	31,73	69.951	34,98
20		1,72	1,16	293,1	29,89	65.887	32,94	324,5	33,09	72.959	36,48	349,0	35,59	78.467	39,23
22		2,07	1,39	353,2	36,02	79.406	39,70	391,1	39,88	87.930	43,96	420,7	42,89	94.567	47,28
22,23	7/8	2,17	1,46	365,0	37,22	82.055	41,03	400,0	40,79	89.924	44,96	435,0	44,36	97.792	48,90
24		2,47	1,66	423,1	43,15	95.125	47,56	468,6	47,78	105.336	52,67	503,9	51,39	113.287	56,64
25,40	1	2,79	1,87	476,7	48,60	107.155	53,58	527,8	53,82	118.659	59,33	567,7	57,89	127.615	63,81
26		2,86	1,92	488,5	49,81	109.813	54,91	540,9	55,16	121.601	60,80	581,7	59,32	130.780	65,39
28		3,37	2,26	575,1	58,65	129.299	64,65	636,9	64,94	143.178	71,59	685,0	69,85	153.986	76,99
28,58	1 1/8	3,52	2,37	601,1	61,29	135.129	67,56	665,6	67,87	149.635	74,82	715,8	73,00	160.929	80,46
30		3,87	2,60	661,6	67,47	148.737	74,37	732,6	74,71	164.704	82,35	787,9	80,35	177.136	88,57
31,75	1 1/4	4,35	2,92	723,0	73,73	162.537	81,27	802,0	81,78	180.297	90,15	861,0	87,80	193.560	96,78
32		4,35	2,92	744,1	75,87	167.270	83,64	823,9	84,02	185.226	92,61	886,1	90,36	199.208	99,60
34		4,90	3,29	835,7	85,21	187.867	93,93	925,4	94,36	208.033	104,02	995,2	101,49	223.737	111,87
34,93	1 3/8	5,18	3,48	862,0	87,90	193.785	96,89	955,0	97,38	214.692	107,35	1.026,0	104,62	230.654	115,33
35		5,33	3,58	910,5	92,85	204.690	102,35	1.008,2	102,81	226.663	113,33	1.084,4	110,57	243.772	121,89
36		5,55	3,73	949,7	96,84	213.494	106,75	1.051,6	107,23	236.411	118,21	1.131,0	115,33	254.257	127,13
38	1 1/2	6,20	4,17	1.059,3	108,02	238.142	119,07	1.173,0	119,61	263.706	131,85	1.261,6	128,64	283.612	141,81
40		6,83	4,59	1.166,8	118,98	262.308	131,15	1.292,1	131,75	290.465	145,23	1.389,6	141,70	312.391	156,20
41		7,17	4,82	1.222,1	124,62	274.732	137,37	1.353,3	137,99	304.223	152,11	1.455,4	148,41	327.188	163,59
41,28	1 5/8	7,37	4,95	1.241,2	126,56	279.022	139,51	1.375,0	140,21	309.112	154,56	1.475,9	150,50	331.792	165,90
42		7,50	5,04	1.281,2	130,65	288.030	144,01	1.418,8	144,67	318.948	159,47	1.525,8	155,59	343.024	171,51
44		8,23	5,53	1.406,8	143,45	316.256	158,13	1.557,8	158,85	350.204	175,10	1.675,4	170,84	376.639	188,32
44,45	1 3/4	8,50	5,71	1.449,6	147,82	325.884	162,94	1.605,2	163,68	360.863	180,43	1.726,4	176,04	388.107	194,05
46		9,26	6,22	1.579,2	161,04	355.026	177,51	1.748,8	178,32	393.136	196,57	1.880,8	191,78	422.812	211,41
47,63	1 7/8	9,93	6,67	1.687,3	172,06	379.322	189,66	1.870,0	190,69	420.393	210,20	1.991,9	203,11	447.789	223,89
48		10,18	6,84	1.737,6	177,19	390.636	195,32	1.924,2	196,21	432.568	216,28	2.069,4	211,02	465.221	232,61
50		11,08	7,45	1.889,7	192,70	424.830	212,41	2.092,6	213,38	470.433	235,22	2.250,6	229,49	505.944	252,97
50,80	2	11,46	7,70	1.950,3	198,87	438.439	219,22	2.159,6	220,22	485.504	242,75	2.322,6	236,84	522.151	261,08
52		11,98	8,05	2.047,6	208,80	460.326	230,16	2.262,7	230,73	508.680	254,34	2.438,6	248,67	548.217	274,11
54	2 1/8	12,89	8,66	2.203,1	224,66	495.283	247,64	2.439,6	248,77	548.449	274,22	2.623,8	267,55	589.849	294,92
56		13,69	9,20	2.340,1	238,62	526.065	263,03	2.591,2	264,23	582.535	291,27	2.786,8	284,18	626.508	313,25
57,15	2 1/4	14,16	9,52	2.392,6	243,98	537.889	268,94	2.650,0	270,22	595.744	297,87	2.841,7	289,77	638.839	319,42
58		14,65	9,84	2.505,2	255,46	563.199	281,60	2.774,2	282,89	623.656	311,83	2.983,6	304,24	670.733	335,37
60		15,75	10,58	2.686,2	273,92	603.881	301,94	2.974,5	303,32	668.704	334,35	3.199,1	326,22	719.182	359,59
60,33	2 3/8	15,77	10,60	2.687,0	274,00	604.062	302,03	2.976,0	303,47	669.031	334,52	3.200,0	326,31	719.388	359,69
62		16,81	11,29	2.869,1	292,57	644.999	322,50	3.177,1	323,97	714.236	357,12	3.416,9	348,43	768.151	384,08
63,50	2 1/2	17,36	11,66	2.961,0	301,94	665.653	332,83	3.275,0	333,96	736.249	368,12	3.526,3	359,58	792.748	396,37
64		17,52	11,77	2.991,5	305,05	672.522	336,26	3.312,7	337,80	744.714	372,36	3.562,7	363,30	800.929	400,46
66		18,56	12,47	3.166,4	322,88	711.824	355,91	3.506,2	357,54	788.234	394,12	3.770,9	384,53	847.735	423,87
66,68	2 5/8	19,19	12,89	3.190,0	325,29	717.140	358,57	3.534,0	360,37	794.475	397,24	3.800,0	387,49	854.274	427,14
68		19,77	13,28	3.357,8	342,40	754.873	377,44	3.718,0	379,13	835.839	417,92	3.973,5	405,19	893.286	446,64
70	2 3/4	20,94	14,07	3.550,6	362,06	798.203	399,10	3.934,0	401,16	884.398	442,20	4.201,6	428,45	944.560	472,28
72		22,13	14,87	3.752,9	382,69	843.695	421,85	4.160,0	424,20	935.205	467,60	4.441,1	452,86	998.395	499,20

Special constructions and diameters available - please contact us directly.