

NAVIGATION

// ROTATION-RESISTANT

// NON-ROTATION-RESISTANT

HD 8 K (Option PPI)

HD 9 K (Option PPI)

SC 6 K

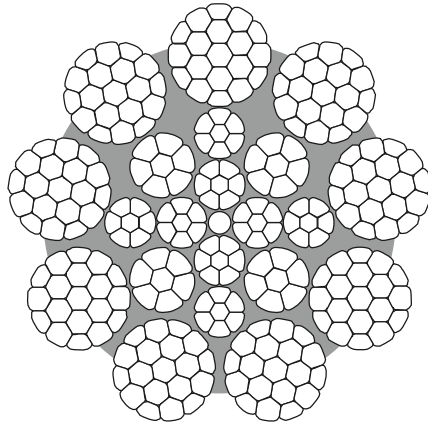
SC 8 C (Option PPI)

DP 8 K (Option PPI)

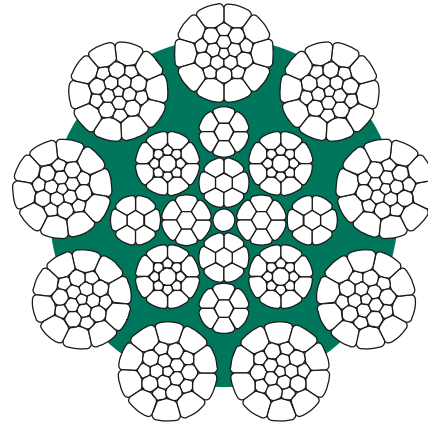
DP 10 K

LP 5

OLIVEIRA HD 9 K



OLIVEIRA HD 9 K PPI



PROPERTIES



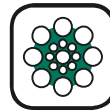
Compacted



Lubricated



No Swivel



PPI



Compacted



Lubricated



No Swivel

APPLICATIONS

Boom hoist for deck cranes, luffing for mobile and crawler, electric hoists, trolley for container cranes.

Recommended for all marine and offshore applications and all the most severe working environmental conditions.

OVERVIEW

Diameter range [mm]	Construction	Number of outer strands	Number of wires	Number of outer load bearing wires	Average fill factor	Average spin factor
9 – 12	9xK16*	9	193	144	0,668	0,830
13 – 19	9xK19*	9	256	171	0,683	(1960 N/mm ²)
20 – 28	9xK26	9	359	234	0,684	0,810
30 – 38	9xK31	9	404	279	0,691	(2160 N/mm ²)

- Tolerance on diameter: (EN: +0%; +5%)
- 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
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand

*The core strands are closed in the opposite lay than the outer strands, leading the HD 9 K (PPI) to have a reduced torque (lower than 6 or 8 strands ropes in generally) for a better stability of the sheave block.

nominal diameter	metallic area	weight	calculated aggregate breaking force				minimum breaking force			
			1960 N/mm ²		2160 N/mm ²		1960 N/mm ²		2160 N/mm ²	
mm	mm ²	kg/m	kN	t [metric]	kN	t [metric]	kN	t [metric]	kN	t [metric]
9	42,9	0,373	84,2	8,58	92,8	9,46	69,5	7,09	74,9	7,64
10	52,9	0,459	104	10,6	114	11,7	86,0	8,77	92,2	9,40
11	63,9	0,554	125	12,8	138	14,1	104	10,6	111	11,4
12	75,4	0,650	148	15,1	163	16,6	122	12,5	132	13,4
13	91,2	0,790	179	18,2	197	20,1	148	15,1	159	16,2
14	104	0,899	203	20,7	224	22,9	168	17,2	181	18,5
15	122	1,052	239	24,3	263	26,8	198	20,1	213	21,7
16	137	1,188	269	27,4	297	30,2	223	22,7	240	24,5
18	172	1,491	338	34,5	372	38,0	280	28,6	301	30,7
19	196	1,698	384	39,2	424	43,2	318	32,4	343	35,0
20	214	1,856	420	42,8	463	47,2	349	35,6	375	38,2
22	260	2,249	509	51,9	561	57,2	423	43,1	455	46,4
24	310	2,688	608	62,0	671	68,4	505	51,5	543	55,4
25	336	2,907	658	67,1	725	74,0	546	55,7	587	59,9
26	364	3,163	714	72,8	787	80,3	593	60,4	638	65,0
28	420	3,642	823	83,9	906	92,4	683	69,6	734	74,9
30	484	4,207	950	96,8	1046	107	807	82,3	848	86,4
32	558	4,826	1093	111	1204	123	929	94,7	975	99,5
34	630	5,472	1235	126	1361	139	1050	107	1102	112
35	662	5,730	1298	132	1430	146	1103	113	1159	118
36	704	6,118	1380	141	1521	155	1173	120	1232	126
38	784	6,791	1537	157	1694	173	1307	133	1372	140

Special constructions and diameters available - please contact us directly.