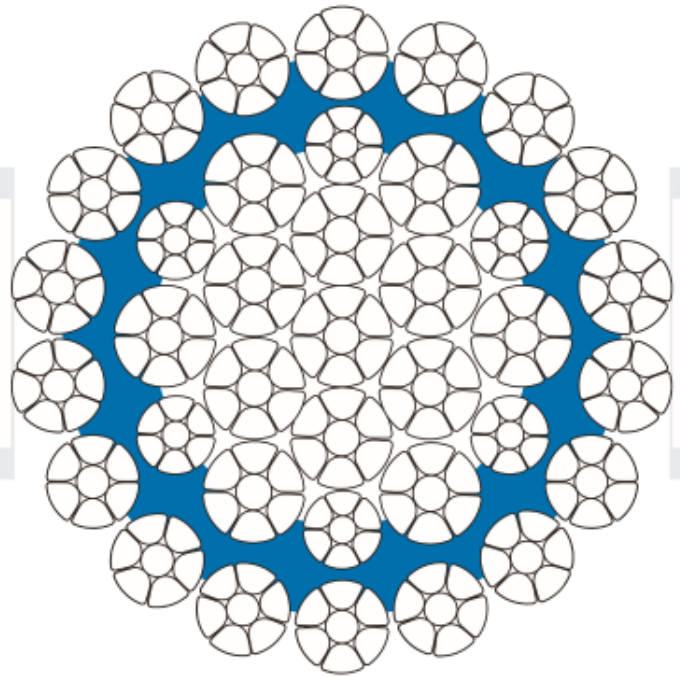


# Hyfil K18

- Rotation Resistant Rope
- Should be used with a Swivel
- Zinc Coated / Alumar Coated / Bright
- Compacted
- Steel Plastic Combination



PILEDRIVING EQUIPMENT



DECK CRANE

## Technical Data

Diameter Range (mm)	Average Fill Factor	Average Spin Factor			Average Weight Factor	Lay Direction
		1770	1960	2160		
12-52	0.716	-	0.856	0.816	0.887	Regular Lay Lang's Lay

Diameter Range (mm)	Total number of load-bearing wires in the outer layer of strands	Discard criteria (Number of broken wires)			
		Single-layer drum & Steel sheaves		Multi-layer drum	
		6xd	30xd	6xd	30xd
12-52	126	3	5	6	11

Nominal Rope Diameter		Diameter tolerance		Outer wire Diameter	Metric unit.						Imperial unit.			
					MBL				Unit weight		MBL			
		min.	max.		kg/m	1960 Grade	2160 Grade	lb/ft	1960 Grade	2160 Grade	lbf	t(S)	lbf	t(S)
12		12.24	12.48	0.59	0.702	135.9	13.86	142.1	14.49	0.472	30,513	15.28	31,908	15.98
12.7	1/2	12.95	13.21	0.63	0.786	152.2	15.53	159.2	16.23	0.528	34,177	17.11	35,739	17.90
13		13.26	13.52	0.64	0.824	159.5	16.27	166.8	17.01	0.554	35,811	17.93	37,447	18.75
14		14.28	14.56	0.69	0.955	185.0	18.87	193.5	19.73	0.642	41,532	20.80	43,430	21.75
14.3	9/16	14.59	14.87	0.70	1.097	193.0	19.68	201.8	20.58	0.737	43,331	21.70	45,311	22.69
15		15.30	15.60	0.74	1.232	212.4	21.86	222.1	22.65	0.828	47,677	23.67	49,856	24.96
15.9	5/8	16.22	16.54	0.78	1.248	238.6	24.33	249.5	25.45	0.839	53,570	26.82	56,018	28.05
16		16.32	16.64	0.79	1.408	241.7	24.65	252.7	25.77	0.946	54,257	27.17	56,726	26.40
17		17.34	17.68	0.84	1.579	272.8	27.82	285.3	29.09	1.061	61,238	30.66	64,044	32.07
18		18.36	18.72	0.89	1.759	305.8	31.18	319.8	32.61	1.182	68,846	34.37	71,789	35.95
19		19.38	19.76	0.94	1.778	340.8	34.75	356.3	36.33	1.195	76,503	38.31	79,983	40.05
19.1	3/4	19.48	19.86	0.94	1.949	344.4	35.12	360.1	36.72	1.310	77,311	38.71	80,836	40.48
20		20.40	20.80	0.98	2.149	377.6	38.50	394.8	40.26	1.444	84,764	42.44	88,625	44.38
21		21.42	21.84	1.03	2.359	416.3	42.45	435.3	44.39	1.585	93,451	46.79	97,717	48.93
22		22.44	22.88	1.08	2.402	456.9	46.59	477.7	48.71	1.614	102,565	51.36	107,235	53.70
22.2	7/8	22.64	23.09	1.09	2.578	473.6	48.29	495.3	50.51	1.732	106,314	53.23	111,185	55.67
23		23.46	23.92	1.13	2.807	499.3	50.91	522.2	53.25	1.886	112,083	56.12	117,224	58.70
24		24.48	24.96	1.18	3.046	543.7	55.44	568.6	57.98	2.047	122,050	61.11	127,640	63.91
25		25.50	26.00	1.23	3.144	590.0	60.16	616.9	62.91	2.113	132,444	66.32	138,482	69.34
25.4	1	25.91	26.42	1.25	3.294	609.0	62.10	638.8	64.94	2.213	136,709	68.45	142,949	71.58
26		26.52	27.04	1.28	3.553	638.1	65.07	667.3	68.05	2.388	143,241	71.73	149,796	75.01
27		27.54	28.08	1.33	3.621	688.1	70.17	719.6	73.38	2.568	154,465	77.35	161,536	80.89
28		28.56	29.12	1.38	3.886	740.1	75.47	773.9	78.92	2.678	166,138	83.19	173,726	86.99
28.6	1-1/8	29.17	29.74	1.41	4.099	772.1	78.73	807.4	82.33	2.754	173,322	86.79	181,246	90.76
29		29.58	30.16	1.43	4.386	793.9	80.96	830.1	84.65	2.947	178,215	89.24	186,342	93.31
30		30.60	31.20	1.48	4.683	849.6	86.64	888.4	90.59	3.147	190,719	95.50	199,429	99.86
31		31.62	32.24	1.53	4.928	907.1	92.50	948.6	96.73	3.311	203,627	102.0	212,943	106.6
31.8	1-1/4	32.44	33.07	1.57	4.990	954.6	97.34	998.2	101.8	3.353	214,289	107.3	224,077	112.2
32		32.64	33.28	1.57	5.307	966.6	98.57	1011	103.1	3.566	216,983	108.7	226,950	113.6
33		33.66	34.32	1.62	5.634	1029	104.8	1075	109.6	3.786	230,766	115.6	241,317	120.8
34		34.68	35.36	1.67	5.936	1091	111.3	1141	116.3	3.989	244,909	122.8	256,133	128.3
34.9	1-3/8	35.60	36.30	1.72	5.970	1160	117.3	1202	122.6	4.012	258,153	129.3	269,826	135.1
35		35.70	36.40	1.72	6.316	1156	117.9	1209	123.3	4.244	259,500	129.9	271,397	135.9
36		36.72	37.44	1.77	7.037	1223	124.7	1279	130.4	4.729	274,540	137.5	287,111	143.8
38		38.76	39.52	1.87	7.074	1363	139.0	1425	145.3	4.754	305,967	153.2	319,885	160.2
38.1	1-1/2	38.86	39.62	1.88	7.797	1370	139.7	1433	146.1	5.239	307,539	154.0	321,681	161.1
40		40.80	41.60	1.97	8.313	1510	154.0	1579	161.0	5.586	338,966	169.7	354,455	177.5
41.3	1-5/8	42.13	42.95	2.03	8.597	1610	164.2	1684	171.7	5.777	361,414	181.0	378,026	189.3
42		42.84	43.68	2.07	9.011	1665	169.8	1741	177.5	6.055	373,761	187.2	390,821	195.7
43		43.86	44.72	2.12	9.435	1745	177.9	1825	186.1	6.340	391,719	196.1	409,678	205.1
44		44.88	45.76	2.17	9.651	1827	186.3	1911	194.9	6.485	410,127	205.4	428,983	214.8
44.5	1-3/4	45.39	46.28	2.19	9.869	1869	190.6	1955	199.4	6.632	419,555	210.1	438,860	219.8
45		45.90	46.80	2.21	10.31	1911	194.9	1999	203.8	6.929	428,983	214.8	448,737	224.7
46		46.92	47.84	2.26	11.04	1997	203.6	2089	213.0	7.420	448,288	224.5	468,941	234.8
47.6	1-7/8	48.55	49.50	2.34	11.23	2139	218.1	2236	228.0	7.545	480,165	240.4	501,939	251.3
48		48.96	49.92	2.36	12.18	2175	221.8	2274	231.9	8.187	488,246	244.5	510,470	255.6
50		51.00	52.00	2.46	13.18	2360	240.7	2468	251.7	8.855	529,775	265.3	554,018	277.4
52		53.04	54.08	2.56	13.49	2552	260.3	2669	272.2	9.065	572,973	286.9	599,154	300.0