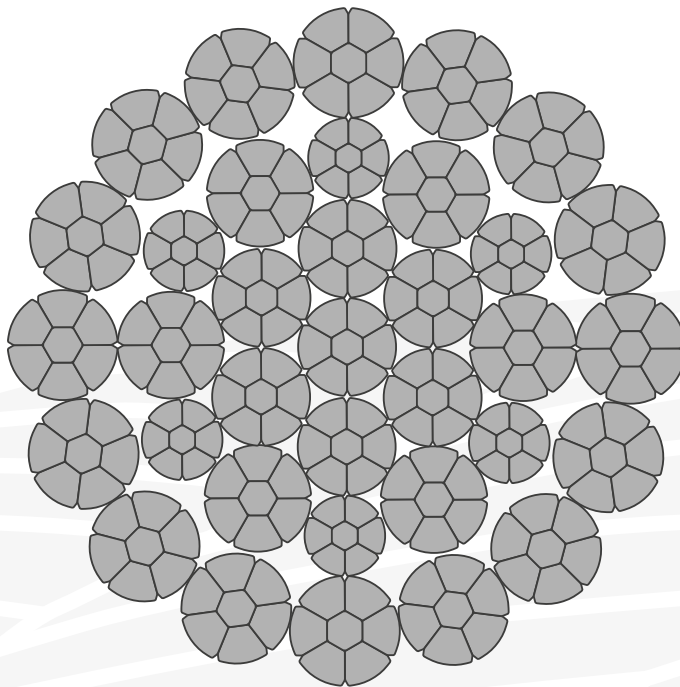


HMS-COMPAC-35

APPLICATION INFORMATION

breaking strength	●●●●○
bending performance	●●●●○
drum crush resistance	●●●●○
abrasion resistance	●●●●○
lateral pressure stability	●●●●○

rotation resistant	yes
use with swivel	yes
rec. max fleet angle	2,0°
multi layer suited	yes



HiPAC

optionally available
with PlastGuard
protection as
COMPAC 35 P
[same break-
loads apply]

ROTATION RESISTANT

ROPE CHARACTERISTICS

HiPac compacted, flexible rope with a very high breaking load, perfectly suited for multi layer spooling. Due to the complex LongLife core design the rope is very flexible and durable over competitive products with low number of inner strands. Excellent results on tower cranes, mobile cranes, crawler cranes and offshore pedestal cranes. Available in high diameters for offshore winches and knuckle boom cranes.

construction	number of wires	load bearing outer wires
10-48mm: 35(W)xK7-KWSC	245	112
49-59mm: 35(W)xK17S-KWSC	537	272
60-80mm: 35(W)xK19W-KWSC	647	304
81-100mm: 35(W)xK25F-KWSC	850	304
100+ mm: 35(W)xK31WS-KWSC	1018	496
number of strands	manufacturing tolerance	available in
35	+2% / +4%	regular- / lang lay

Minimum breaking load

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1960 N/mm ² [kN]	2060 N/mm ² [kN]	2160 N/mm ² [kN]
5/16"	30,7	56	59	62
8	30,7	56	59	62
9	38,9	71	74	78
3/8"	43,4	79	83	87
10	48,0	87	91	96
11	58,1	106	111	116
7/16"	58,1	106	111	116
12	69,1	126	132	138
1/2"	77,1	140	147	154
13	81,1	147	154	162
14	94,1	171	180	188
9/16"	96,0	174	183	196
15	108,0	196	206	216
5/8"	122,8	223	235	246
16	122,8	223	235	246
17	138,7	252	265	278
18	155,5	283	297	311
19	173,2	315	331	347
3/4"	173,7	316	332	348
20	195,0	338	355	373
21	215,0	385	404	424
22	241,0	436	458	480
7/8"	243,5	438	461	483
23	267,0	481	506	530
24	284,0	512	538	564
25	312,0	563	592	620
1"	322,4	587	617	647
26	335,0	605	636	667
27	360,0	649	683	716
28	391,0	705	741	777
1 - 1/8"	402,8	733	771	808
29	413,0	745	783	821
30	446,0	804	845	886
31	478,0	862	906	950
1 - 1/4"	495,6	902	948	994
32	503,0	907	953	999
33	536,0	956	1.004	1.053
34	574,0	1.023	1.075	1.127
1 - 3/8"	600,7	1.080	1.135	1.190
35	606,0	1.080	1.135	1.190
36	642,0	1.144	1.202	1.260
38	718,0	1.279	1.344	1.409
1 - 1/2"	713,9	1.283	1.348	1.414
40	793,0	1.412	1.484	1.557
1 - 5/8"	833,7	1.486	1.561	1.637
42	870,0	1.549	1.629	1.708
44	948,0	1.690	1.776	1.862

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1960 N/mm ² [kN]	2060 N/mm ² [kN]	2160 N/mm ² [kN]
1 - 3/4"	957,7	1.707	1.794	1.881
46	1.040,0	1.858	1.953	2.048
1 - 7/8"	1.131,2	2.009	2.111	2.214
48	1.140,0	2.024	2.128	2.231
50	1.230,0	2.184	2.295	2.382
2"	1.249,7	2.219	2.332	2.421
52	1.320,0	2.357	2.477	2.545
2 - 1/8"	1.419,5	2.536	2.665	2.739
54	1.420,0	2.537	2.666	2.740
56	1.550,0	2.758	2.899	2.979
2 - 1/4"	1.604,2	2.867	3.013	3.096
58	1.660,0	2.960	3.111	3.196
60	1.770,0	3.158	3.319	3.446
2 - 3/8"	1.779,7	3.175	3.337	3.465
62	1.880,0	3.356	3.528	3.662
2 - 1/2"	1.975,6	3.520	3.699	3.840
64	2.000,0	3.565	3.746	3.889
66	2.140,0	3.811	4.005	4.157
2 - 5/8"	2.189,5	3.928	4.129	4.286
68	2.260,0	4.031	4.237	4.398
2 - 3/4"	2.404,8	4.294	4.512	4.637
70	2.410,0	4.303	4.522	4.647
72	2.540,0	4.531	4.762	4.894
2 - 7/8"	2.610,0	4.657	4.895	5.030
74	2.700,0	4.808	5.053	5.193
76	2.840,0	5.066	5.325	5.472
3"	2.847,5	5.079	5.339	5.486
78	2.990,0	5.335	5.607	5.762
3 - 1/8"	3.064,7	5.469	5.749	5.906
80	3.130,0	5.574	5.859	6.020
82	3.290,0	5.865	6.164	6.399
3 - 1/4"	3.312,1	5.904	6.205	6.442
84	3.480,0	6.203	6.520	6.768
3 - 3/8"	3.560,3	6.352	6.676	6.859
86	3.620,0	6.451	6.780	6.967
88	3.790,0	6.755	7.100	7.295
3 - 1/2"	3.875,6	6.909	7.261	7.462
90	3.990,0	7.118	7.481	7.687
92	4.140,0	7.380	7.756	7.970
3 - 5/8"	4.143,6	7.386	7.763	7.977
94	4.340,0	7.729	8.123	8.347
3 - 3/4"	4.431,6	7.905	8.309	8.537
96	4.560,0	8.125	8.540	8.775
98	4710,0	8.391	8.819	9.063
3 - 7/8"	4730,7	8.428	8.858	9.103
100	4.910,0	8.754	9.200	9.454

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST