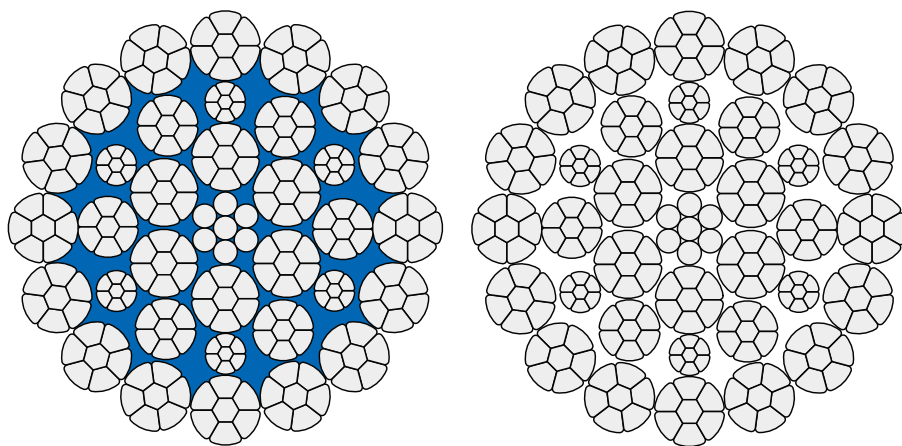


DURAhoist 34C¹



DURAhoist 34C

is a multifunctional, compacted rotation resistant rope with 16 outer strands

Generic Application Advice²

DURAhoist 34C is a high performance rotation resistant rope suitable for all hoist applications. DURAhoist 34C is available both with and without plastic coated steel core.

- ▶ DURAhoist 34C without plastic is recommended for high lifting operations
- ▶ Suitable for single part and multi-part reeving
- ▶ Recommended for multilayer coiling
- ▶ The DURAhoist 34C with plastic coated steel core is intended to be used for demanding reeving systems and/or severe operation conditions where rotation resistant ropes are required.
- ▶ Can be used both with and without swivel

Main Properties

- ▶ Category 1 rotation resistant rope in accordance to ASTM A1023
- ▶ Very high breaking force
- ▶ High bending fatigue performance
- ▶ Crush resistant
- ▶ Stable rope structure
- ▶ Good resistance to wear

Technical Data

- ▶ Load bearing wires in the outer strands and the corresponding RCN (Rope Category Number) according to ISO 4309 for cranes.
 - * 112 wires : RCN 23-2
- ▶ Average fill factor : 0.720
- ▶ Standard tolerance on diameter : +1% to +4% (other tolerances upon agreement)

Product Types available

- ▶ Bright or galvanized
- ▶ Regular Lay or Lang's Lay (Lang's Lay is standard)
- ▶ Option : Plastic coated steel core



¹The former MultiDF MDF 34C • ²Please ask if in doubt about choosing a rope. Youngwire is happy to assist.
Errors and omissions excepted! The cross section shown is just an example and may vary.
Data sheet information is subject to modification without prior notice. The valid data is published on our website.

Nominal diameter		Minimum breaking load						Metallic area	Weight
		1960 N / mm²			2160 N / mm²				
mm	in	kN	ton	lbs	kN	ton	lbs	mm²	kg/m
8.0	5/16	58.0	5.91	13,040	62.0	6.32	13,940	36.0	0.31
9.0	3/8	74.0	7.55	16,640	79.0	8.06	17,760	46.0	0.39
9.5		82.5	8.41	18,540	88.0	8.98	19,790	51.3	0.43
10.0		91.0	9.28	20,460	97.0	9.89	21,810	57.0	0.48
11.0	7/16	109	11.1	24,500	115	11.7	25,850	68.8	0.60
12.0	1/2	131	13.4	29,450	138	14.1	31,100	81.5	0.71
12.7		146	14.9	32,820	154	15.7	34,650	92.0	0.80
13.0		154	15.7	34,560	162	16.5	36,430	95.6	0.83
14.0	9/16	178	18.2	40,080	189	19.3	42,490	110.9	0.97
14.3		186	19.0	41,820	197	20.1	44,330	115.7	1.01
15.0		205	20.9	46,020	216	22.1	48,640	127.3	1.11
16.0	5/8	233	23.7	52,350	246	25.1	55,310	144.9	1.26
17.0	3/4	263	26.8	59,100	276	28.1	62,050	163.6	1.42
18.0		295	30.1	66,260	311	31.7	69,960	183.4	1.60
19.0		328	33.5	73,830	347	35.4	77,960	204.3	1.78
20.0	7/8	364	37.1	81,800	384	39.2	86,400	226.4	1.97
21.0		401	40.9	90,190	424	43.2	95,320	249.6	2.17
22.0		440	44.9	98,980	465	47.5	104,610	273.9	2.39
23.0	1	481	49.1	108,190	508	51.8	114,160	299.4	2.61
24.0		524	53.4	117,800	553	56.4	124,380	326.0	2.84
25.0		569	58.0	127,820	601	61.3	135,040	353.7	3.08
25.4	1	587	59.8	131,940	620	63.2	139,400	365.1	3.18
26.0		615	62.7	138,250	654	66.7	147,020	382.6	3.33
27.0		663	67.6	149,090	705	71.9	158,550	412.6	3.59
28.0	1+1/8	713	72.7	160,340	756	77.1	169,950	443.7	3.87
28.6		743	75.8	167,030	785	80.1	176,580	463.0	4.04
29.0		764	77.9	171,740	808	82.4	181,550	476.0	4.15
30.0	1+1/4	819	83.5	184,060	864	88.1	194,230	509.4	4.44
31.0		874	89.1	196,540	923	94.1	207,450	543.9	4.74
32.0		932	95.0	209,420	984	100.3	221,220	579.6	5.05
33.0	1+3/8	991	101.0	222,710	1,047	106.7	235,260	616.3	5.37
34.0		1,052	107.2	236,420	1,111	113.3	249,760	654.3	5.70
35.0		1,100	112.2	247,290	1,164	118.7	261,670	689.0	6.00
36.0	1+1/2	1,179	120.2	265,050	1,245	126.9	279,860	733.5	6.39
38.0		1,314	134.0	295,310	1,382	140.9	310,680	817.3	7.12
40.0		1,456	148.4	327,220	1,530	156.0	343,950	905.6	7.89
41.3	1+5/8	1,552	158.2	348,830	1,631	166.3	366,670	965.4	8.41
42.0	1+3/4	1,605	163.6	360,760	1,689	172.3	379,810	998.4	8.70
44.0		1,760	179.5	395,660	1,850	188.6	415,890	1,096.0	9.55

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