

ALK24YH

is a rotation resistant rope with 12 compacted outer strands.

Generic Application Advice²

ALK35YH is an enhanced rotation resistant rope regarding its rotational behavior and flexibility. ALK35YH can be used for various multi-part reeving hoist applications if the rotational behavior provided is appropriate.

- ▶ Suitable for multi-part reeving with unguided load and medium lifting heights
- ▶ Note : Not to be used for single fall hoist applications with an unguided load.
- ▶ Recommended for multilayer coiling.
- ▶ Must not be used with a swivel!

Main Properties

- ▶ Category 2 rotation resistant rope in accordance to ASTM A1023
- ▶ Enhanced breaking force
- ▶ Very Flexible rope construction
- ▶ Good bending fatigue performance
- ▶ Crush resistant
- ▶ Good resistance to wear

Technical Data

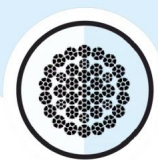
- ▶ Load bearing wires in the outer strands and the corresponding RCN (RopeCategoryNumber) according to ISO4309 for cranes.
 - * 84 wires : RCN 23-1
- ▶ Average fill factor : 0.717
- ▶ Standard tolerance on diameter : +1% to +4% (other tolerances upon agreement)

Product Types available

- ▶ Bright or galvanized
- ▶ Lang's Lay as standard, Regular Lay on request

¹The former MultiDF MDF 24C ²Please ask if in doubt about choosing a rope.
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 / mm ²			2160 N / mm ²				
mm	in	kN	ton	lbs	kN	ton	lbs	mm ²	kg/m
8.0	5/16	56.4	5.75	12,680	60.2	6.14	13,540	35.8	0.31
9.0		71.4	7.28	16,050	76.2	7.77	17,130	45.4	0.40
9.5	3/8	79.6	8.11	17,890	84.9	8.66	19,090	50.5	0.44
10.0		88.2	8.99	19,820	94.1	9.59	21,150	56.0	0.49
11.0	7/16	107	10.9	23,980	114	11.6	25,590	67.8	0.59
12.0		127	12.9	28,540	135	13.8	30,460	80.6	0.71
12.7	1/2	142	14.5	31,920	151	15.4	33,950	90.3	0.80
13.0		149	15.2	33,500	159	16.2	35,740	94.6	0.83
14.0		173	17.6	38,850	184	18.8	41,450	109.8	0.96
14.3	9/16	180	18.4	40,530	192	19.6	43,250	114.5	1.00
15.0		198	20.2	44,600	212	21.6	47,590	126.0	1.10
16.0	5/8	226	23.0	50,740	241	24.6	54,150	143.4	1.25
17.0		255	26.0	57,280	280	28.6	62,950	161.8	1.42
18.0		286	29.1	64,220	305	31.1	68,530	181.4	1.59
19.0	3/4	318	32.5	71,550	340	34.6	76,350	202.2	1.77
20.0		353	36.0	79,280	376	38.4	84,600	224.0	1.96
21.0		389	39.6	87,410	415	42.3	93,270	247.0	2.16
22.0	7/8	427	43.5	95,930	455	46.4	102,370	271.0	2.37
23.0		466	47.6	104,850	498	50.8	111,890	296.2	2.59
24.0		508	51.8	114,160	542	55.3	121,830	322.6	2.82
25.0		551	56.2	123,880	588	60.0	132,190	350.0	3.06
25.4	1	569	58.0	127,870	607	61.9	136,450	361.3	3.16
26.0		596	60.8	133,980	636	64.9	142,980	378.6	3.31
27.0		643	65.5	144,490	686	69.9	154,190	408.2	3.57
28.0		691	70.5	155,390	738	75.2	165,820	439.0	3.84
28.6	1+1/8	720	73.4	161,860	769	78.4	172,880	458.1	4.00