



PROPERTIES



Swivel



Compacted



Lubricated

APPLICATIONS

A premier hoist rope for main and auxiliary hoist applications on tower cranes, mobile cranes, and crawler cranes as well as other applications where rotation resistant ropes are required. Especially suited for multiple layer spooling.

OVERVIEW

Diameter range [mm]	Number of outer strands	Number of wires	Number of outer load bearing wires	Average fill factor	Average weight factor	Average spin factor *N/mm ²
10–56	16	245	112	0,716	0,88	0,83 (1770, 1960)* 0,82 (2160)*

- Standard tolerance on diameter +0% to +4%
- Temperature range of use: –50°C to +75°C
- Suitable for multilayer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized

nominal diameter		weight	minimum breaking force			
inch	mm		1960 N/mm ²		2160 N/mm ²	
		lb/ft	t [2000 lbs]	lbs	t [2000 lbs]	lbs
	10	0.34	10.34	20,682	11.02	22,031
7/16	11	0.40	12.48	24,954	13.38	26,752
	12	0.48	14.84	29,675	16.19	32,372
1/2		0.54	16.64	33,272	18.21	36,419
	13	0.56	17.42	34,845	19.00	37,993
	14	0.65	20.12	40,241	21.92	43,838
	15	0.75	23.16	46,311	25.29	50,582
5/8	16	0.85	26.42	52,830	28.89	57,776
	17	0.95	29.34	58,675	32.04	64,071
	18	1.08	33.50	66,993	36.53	73,063
3/4	19	1.20	36.98	73,962	40.35	80,706
	20	1.34	41.25	82,505	45.07	90,148
	21	1.46	45.19	90,373	49.35	98,691
7/8	22	1.61	49.68	99,366	54.29	108,583
	23	1.75	54.29	108,583	59.24	118,474
	24	1.91	59.01	118,025	64.41	128,815
	25	2.08	64.18	128,366	70.03	140,056
1		2.14	66.21	132,412	72.16	144,327
	26	2.23	69.13	138,257	75.42	150,847
	27	2.43	75.20	150,397	82.06	164,110
	28	2.61	80.82	161,638	88.13	176,250
1 1/8		2.70	83.52	167,033	91.16	182,320
	29	2.79	86.33	172,653	94.19	188,390
	30	3.00	92.96	185,917	101.50	203,002
	31	3.19	98.80	197,607	107.80	215,592
1 1/4	32	3.39	104.99	209,972	114.54	229,080
	33	3.64	112.74	225,483	123.08	246,166
	34	3.83	118.47	236,949	129.27	258,530
	36	4.31	133.42	266,848	145.68	291,352
1 1/2	38	4.80	148.60	297,197	162.20	324,399
	40	5.33	164.90	329,795	179.96	359,919
1 5/8		5.71	176.81	353,624	193.00	385,997
	42	5.87	181.65	363,291	198.28	396,563
	44	6.43	198.96	397,912	217.17	434,331
1 3/4		6.57	203.00	406,005	221.66	443,323
	46	7.03	217.50	435,005	237.40	474,796
1 7/8		7.56	233.91	467,827	255.38	510,766
	48	7.68	237.74	475,471	259.54	519,084
	50	8.34	258.19	516,386	281.80	563,596
2		8.61	266.74	533,472	291.02	582,030
	52	9.02	279.44	558,875	304.95	609,907
	54	9.78	302.93	605,860	330.58	661,163
	56	10.46	323.61	647,225	353.17	706,350