

PROPERTIES



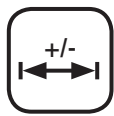
Swivel



Compacted



Lubricated



Tolerance

APPLICATIONS

A very flexible rope with a core in a special design avoiding crossover between the strands of core and preventing internal rope destruction. Hoist rope for mobile cranes, electrical hoists and other applications, where rotation resistant ropes are required.

OVERVIEW

RCN	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
23-2	10-56	16	245	112	0,716	0,88	0,83 (1770, 1960)* 0,82 (2160)*

- 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	metallic area	weight	calculated aggregate breaking force						minimum breaking force							
			1770 N/mm ²		1960 N/mm ²		2160 N/mm ²		1770 N/mm ²		1960 N/mm ²		2160 N/mm ²			
mm	mm ²	kg/m	kN	t [metric]	kN	t [metric]	kN	t [metric]	kN	t [metric]	kN	t [metric]	kN	t [metric]	kN	t [metric]
10	56,5	0,50	100	11,01	111	11,30	122	12,45	83	9,13	92	9,38	98	9,99		
11	68,6	0,60	121	13,36	134	13,71	148	15,11	101	11,12	111	11,32	119	12,13		
12	81,6	0,72	144	15,89	160	16,30	176	17,96	120	13,21	132	13,46	144	14,68		
13	95,2	0,84	169	18,55	187	19,03	206	20,97	140	15,41	155	15,81	169	17,23		
14	110,0	0,97	195	21,42	216	21,98	238	24,23	162	17,83	179	18,25	195	19,88		
15	126,6	1,11	224	24,65	248	25,29	273	27,88	186	20,47	206	21,01	225	22,94		
16	144,8	1,27	256	28,21	284	28,95	313	31,90	213	23,44	235	23,96	257	26,21		
17	160,6	1,41	284	31,28	315	32,10	347	35,37	236	25,97	261	26,61	285	29,06		
18	183,3	1,61	325	35,71	359	36,64	396	40,38	270	29,71	298	30,39	325	33,14		
19	202,1	1,78	358	39,37	396	40,40	437	44,52	297	32,69	329	33,55	359	36,61		
20	225,7	1,99	399	43,96	442	45,10	487	49,70	332	36,54	367	37,42	401	40,89		
21	247,4	2,18	438	48,19	485	49,44	534	54,49	364	40,06	402	40,99	439	44,77		
22	271,9	2,39	481	52,96	533	54,34	587	59,88	400	44,02	442	45,07	483	49,25		
23	296,9	2,61	526	57,84	582	59,35	641	65,40	437	48,09	483	49,25	527	53,74		
24	322,6	2,84	571	62,84	632	64,47	697	71,05	475	52,28	525	53,54	573	58,43		
25	350,6	3,09	621	68,29	687	70,07	757	77,22	516	56,79	571	58,23	623	63,53		
26	377,8	3,32	669	73,59	740	75,51	816	83,21	556	61,19	615	62,71	671	68,42		
27	411,0	3,62	727	80,05	805	82,14	888	90,52	605	66,58	669	68,22	730	74,44		
28	441,4	3,88	781	85,99	865	88,23	954	97,23	650	71,53	719	73,32	784	79,95		
29	471,8	4,15	835	91,91	925	94,31	1019	103,93	694	76,38	768	78,32	838	85,45		
30	508,2	4,47	899	98,99	996	101,57	1098	111,93	748	82,32	827	84,33	903	92,08		
31	539,8	4,75	956	105,16	1058	107,90	1166	118,91	795	87,49	879	89,63	959	97,79		
32	573,5	5,05	1015	111,71	1124	114,61	1239	126,31	844	92,88	934	95,24	1019	103,91		
33	616,1	5,42	1091	120,01	1208	123,14	1331	135,70	907	99,82	1003	102,28	1095	111,66		
34	647,2	5,70	1145	126,07	1268	129,35	1398	142,55	953	104,88	1054	107,48	1150	117,27		
36	729,3	6,42	1291	142,06	1429	145,76	1575	160,63	1074	118,19	1187	121,04	1296	132,16		
38	812,0	7,15	1437	158,18	1592	162,30	1754	178,86	1195	131,51	1322	134,81	1443	147,15		
40	900,8	7,93	1594	175,47	1766	180,04	1946	198,41	1326	145,93	1467	149,59	1601	163,26		
42	992,5	8,73	1757	193,34	1945	198,37	2144	218,62	1461	160,79	1616	164,79	1764	179,88		
44	1087,1	9,57	1924	211,76	2131	217,28	2348	239,45	1600	176,08	1770	180,49	1932	197,01		
46	1188,1	10,46	2103	231,43	2329	237,46	2566	261,69	1749	192,48	1935	197,32	2112	215,37		
48	1298,9	11,43	2299	253,01	2546	259,60	2806	286,09	1912	210,42	2115	215,67	2309	235,45		
50	1410,7	12,41	2497	274,80	2765	281,96	3047	310,73	2077	228,58	2297	234,23	2507	255,65		
52	1526,3	13,43	2702	297,32	2992	305,06	3297	336,19	2247	229,13	2486	253,50	2713	276,65		
54	1654,7	14,56	2929	322,32	3243	330,72	3574	364,46	2436	248,41	2695	274,82	2941	299,90		
56	1767,9	15,56	3129	344,37	3465	353,34	3819	389,40	2603	265,43	2879	293,58	3142	320,40		

Special constructions and diameters available - please contact us directly.