

High  
breaking force

## PROPERTIES



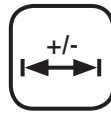
Swivel



Compacted



Lubricated



Tolerance

## APPLICATIONS

Very good resistance against drum crushing and abrasion on drums. Hoist rope for tower cranes, mobile cranes or crawler cranes: unguided load on a single fall.

## 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 <sup>2</sup>
23-2	12-52	16	245	112	0,734	0,87	0,86 (1960)* 0,83 (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			
			1960 N/mm <sup>2</sup>		2160 N/mm <sup>2</sup>		1960 N/mm <sup>2</sup>		2160 N/mm <sup>2</sup>	
			kN	t [metric]	kN	t [metric]	kN	t [metric]	kN	t [metric]
12	83,0	0,72	163	16,59	179	18,28	140	14,28	149	15,19
13	97,5	0,85	191	19,47	211	21,46	164	16,72	175	17,85
14	113,0	0,98	222	22,58	244	24,89	190	19,37	203	20,70
15	129,8	1,13	254	25,92	280	28,57	218	22,23	233	23,76
16	147,6	1,28	289	29,50	319	32,51	248	25,29	266	27,02
17	166,7	1,45	327	33,30	360	36,70	281	28,65	300	30,59
18	186,8	1,63	366	37,33	404	41,14	315	32,12	337	34,26
19	208,2	1,81	408	41,59	450	45,84	351	35,79	375	38,24
20	230,7	2,01	452	46,09	498	50,79	389	39,67	416	42,32
21	254,3	2,21	498	50,81	549	56,00	428	43,64	458	46,70
22	279,1	2,43	547	55,77	603	61,46	470	47,93	502	51,19
23	305,1	2,65	598	60,95	659	67,17	514	52,41	549	55,98
24	332,2	2,89	651	66,37	717	73,14	560	57,10	598	60,98
25	360,4	3,14	706	72,01	779	79,36	607	61,90	649	66,18
26	389,8	3,39	764	77,89	842	85,84	657	67,00	702	71,58
27	420,4	3,66	824	84,00	908	92,57	708	72,20	757	77,19
28	452,1	3,93	886	90,33	977	99,55	762	77,70	814	83,01
29	485,0	4,22	951	96,90	1048	106,79	817	83,31	873	89,02
30	519,0	4,52	1017	103,70	1121	114,28	875	89,23	935	95,34
31	554,2	4,82	1086	110,73	1197	122,03	934	95,24	998	101,77
32	590,5	5,14	1157	117,99	1276	130,03	995	101,46	1063	108,40
33	628,0	5,46	1231	125,48	1357	138,28	1059	107,99	1131	115,33
34	666,7	5,80	1307	133,20	1440	146,79	1124	114,62	1201	122,47
36	747,4	6,50	1465	149,33	1614	164,56	1260	128,49	1346	137,26
38	828,3	7,21	1623	165,49	1789	182,38	1396	142,35	1492	152,14
40	915,1	7,96	1794	182,82	1977	201,48	1543	157,34	1648	168,05
42	1009,3	8,78	1978	201,65	2180	222,22	1702	173,56	1818	185,39
44	1118,0	9,73	2191	223,37	2415	246,16	1885	192,22	2014	205,37
46	1212,1	10,55	2376	242,17	2618	266,88	2044	208,43	2183	222,61
48	1311,0	11,41	2570	261,93	2832	288,66	2210	225,36	2361	240,76
50	1428,5	12,43	2800	285,42	3086	314,54	2409	245,65	2573	262,38
52	1548,8	13,47	3036	309,44	3345	341,01	2611	266,25	2790	284,50

Special constructions and diameters available - please contact us directly.