



Very High
breaking force

PROPERTIES



Plast rope



Compacted



Parallel
Construction



Lubricated



No Swivel



Tolerance

APPLICATIONS

High bending fatigue performance and very high minimum breaking load. Mainly overhead and industrial cranes where rotation resistant ropes are not 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
11	10–56	10	366	260	0,700	0,87	0,87 (1960)* 0,86 (2160)*

- Temperature range of use: –50°C to +115°C
- Suitable for multi-layer spooling
- 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 ²		2160 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]
10	55,7	0,48	109	11,12	120	12,26	94	9,59	103	10,50
11	68,5	0,60	134	13,69	148	15,09	116	11,83	127	12,95
12	80,2	0,70	157	16,02	173	17,65	136	13,87	148	15,09
13	94,6	0,82	185	18,90	204	20,83	161	16,42	175	17,85
14	108,3	0,94	212	21,64	234	23,84	184	18,76	201	20,50
15	124,7	1,08	244	24,91	269	27,46	212	21,62	231	23,56
16	139,9	1,22	274	27,97	302	30,82	238	24,27	260	26,51
17	159,2	1,38	312	31,81	344	35,06	271	27,63	295	30,08
18	177,4	1,54	348	35,46	383	39,07	302	30,80	329	33,55
19	202,6	1,76	397	40,49	438	44,63	345	35,18	376	38,34
20	222,0	1,93	435	44,37	479	48,89	378	38,55	412	42,01
21	242,9	2,11	476	48,54	525	53,49	414	42,22	451	45,99
22	274,1	2,39	537	54,79	592	60,38	467	47,62	509	51,90
23	298,9	2,60	586	59,73	646	65,83	509	51,90	555	56,59
24	325,8	2,83	638	65,11	704	71,75	555	56,59	605	61,69
25	350,0	3,05	686	69,95	756	77,09	596	60,78	650	66,28
26	380,0	3,31	745	75,94	821	83,69	647	65,98	705	71,89
27	407,5	3,55	799	81,45	880	89,76	694	70,77	757	77,19
28	445,9	3,88	874	89,13	963	98,22	760	77,50	828	84,43
29	476,3	4,14	933	95,19	1029	104,90	812	82,80	884	90,14
30	498,9	4,34	978	99,71	1078	109,88	850	86,68	926	94,43
31	537,6	4,68	1054	107,44	1161	118,41	916	93,41	998	101,77
32	578,2	5,03	1133	115,57	1249	127,36	986	100,54	1074	109,52
33	610,5	5,31	1196	122,01	1319	134,46	1040	106,05	1134	115,64
34	651,5	5,67	1277	130,22	1407	143,50	1111	113,29	1210	123,39
36	727,5	6,33	1426	145,40	1571	160,24	1240	126,45	1351	137,77
38	806,5	7,02	1581	161,19	1742	177,64	1375	140,21	1498	152,76
40	891,5	7,76	1747	178,18	1926	196,36	1502	153,16	1627	165,91
42	985,5	8,57	1932	196,97	2129	217,07	1661	169,38	1798	183,35
44	1084,6	9,44	2126	216,77	2343	238,89	1828	186,41	1979	201,80
46	1182,5	10,29	2318	236,34	2554	260,45	1993	203,23	2158	220,06
48	1296,1	11,28	2540	259,05	2800	285,48	2184	222,71	2365	241,17
50	1400,3	12,18	2745	279,86	3025	308,42	2360	240,66	2555	260,54
52	1493,8	13,00	2928	298,56	3227	329,03	2518	256,76	2726	277,98
54	1631,8	14,20	3198	326,15	3525	359,43	2750	280,42	2978	303,67
56	1745,8	15,19	3422	348,93	3771	384,54	2942	300,00	3186	324,88

Special constructions and diameters available - please contact us directly.