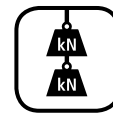


**INNOVATIVE
DESIGN**



Very High
breaking force

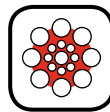
PROPERTIES



Swivel



Lubricated



Plast rope



Compacted



Swaged

APPLICATIONS

Latest generation of hoist rope especially developed for all kind of ambitious lifting applications. The swaging procedure generates an extrem circular rope surface providing an extraordinary multi-layer spooling behaviour. Furthermore this technique ensures Doublefit to reach the highest breaking loads of all rotation resistant ropes from CASAR by using wires in standard tensile grades.

OVERVIEW

RCN	Diameter range [mm]	Number of outer strands	Number of wires	Number of outer load bearing wires	Average fill factor	average nominal metallic area factor C	Average spin factor *N/mm ²
23-2	18-60	16	341	112	0,770	0,605	0,85

- Temperature range of use: -50°C to +75°C
- Available in right hand and left hand
- Available in ordinary lay and Lang's lay
- Wires in standard tensile grades

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]
18	197,2	1,73	387	39,42	426	43,44	319	32,51	351	35,82
19	219,8	1,93	431	43,92	475	48,41	355	36,22	391	39,91
20	243,5	2,13	477	48,67	526	53,63	394	40,13	434	44,22
21	268,5	2,35	526	53,66	580	59,13	434	44,24	478	48,76
22	294,6	2,58	577	58,89	636	64,90	476	48,56	525	53,51
23	322,0	2,82	631	64,36	696	70,93	520	53,07	574	58,49
24	350,6	3,07	687	70,08	757	77,23	567	57,79	625	63,68
25	380,5	3,33	746	76,04	822	83,80	615	62,70	678	69,10
26	411,5	3,61	807	82,25	889	90,64	665	67,82	733	74,74
27	443,8	3,89	870	88,70	959	97,75	717	73,14	790	80,60
28	477,3	4,18	935	95,39	1031	105,12	771	78,65	850	86,68
29	512,0	4,49	1003	102,33	1106	112,77	827	84,37	912	92,98
30	547,9	4,80	1074	109,50	1183	120,68	885	90,29	976	99,51
31	585,0	5,13	1147	116,93	1264	128,86	945	96,41	1042	106,25
32	623,4	5,46	1222	124,59	1346	137,30	1007	102,73	1110	113,22
33	662,9	5,81	1299	132,50	1432	146,02	1071	109,25	1181	120,40
34	703,7	6,17	1379	140,65	1520	155,00	1137	115,98	1253	127,81
35	745,7	6,54	1462	149,05	1611	164,26	1205	122,90	1328	135,44
36	789,0	6,91	1546	157,69	1704	173,78	1275	130,02	1405	143,29
37	833,4	7,30	1633	166,57	1800	183,56	1347	137,34	1484	151,36
38	879,1	7,70	1723	175,69	1899	193,62	1421	144,87	1566	159,65
39	925,9	8,12	1815	185,06	2000	203,95	1496	152,59	1649	168,16
40	974,0	8,54	1909	194,67	2104	214,54	1574	160,52	1735	176,90
41	1023,3	8,97	2006	204,53	2210	225,40	1654	168,65	1823	185,85
42	1073,9	9,41	2105	214,63	2320	236,53	1736	176,97	1913	195,03
43	1125,6	9,87	2206	224,97	2431	247,93	1819	185,50	2005	204,43
44	1178,6	10,33	2310	235,56	2546	259,59	1905	194,23	2099	214,05
45	1232,7	10,80	2416	246,38	2663	271,53	1992	203,16	2196	223,89
46	1288,1	11,29	2525	257,46	2782	283,73	2082	212,29	2294	233,95
47	1344,8	11,79	2636	268,77	2905	296,20	2173	221,62	2395	244,23
48	1402,6	12,29	2749	280,33	3030	308,94	2267	231,15	2498	254,73
49	1461,6	12,81	2865	292,13	3157	321,94	2362	240,88	2603	265,46
50	1521,9	13,34	2983	304,18	3287	335,22	2460	250,81	2711	276,40
51	1583,4	13,88	3103	316,47	3420	348,76	2559	260,94	2820	287,57
52	1646,1	14,43	3226	329,00	3556	362,57	2660	271,28	2932	298,96
53	1710,0	14,99	3352	341,78	3694	376,65	2764	281,81	3046	310,57
54	1775,2	15,56	3479	354,79	3834	391,00	2869	292,55	3162	322,40
55	1841,5	16,14	3609	368,06	3978	405,61	2976	303,48	3280	334,45
56	1909,1	16,73	3742	381,56	4124	420,50	3085	314,62	3400	346,72
57	1977,9	17,33	3877	395,31	4272	435,65	3197	325,96	3523	359,22
58	2047,9	17,95	4014	409,30	4423	451,07	3310	337,49	3647	371,93
59	2119,1	18,57	4153	423,54	4577	466,76	3425	349,23	3774	384,87
60	2191,5	19,21	4295	438,02	4734	482,71	3542	361,17	3903	398,02

Special constructions and diameters available - please contact us directly.