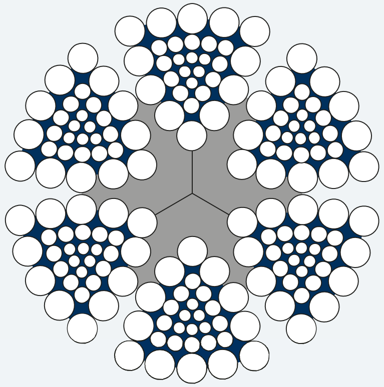
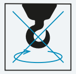
CASAR **TRIANGULAR STRAND**

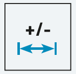
- Special mining rope
- 6-strand design with triangular shaped outer strands
- Provides a "flat" surface on sheave and drum areas
- Compact design resists crushing and distortion under heavy loads
- Reduces wear on sheaves and drums
- Available with either fiber core or IWRC
- Fully lubricated



PROPERTIES


No swivel


Lubricated



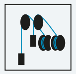
Tolerance

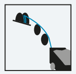

preformed

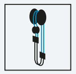

Triangular shape strand

APPLICATIONS

Our special triangular (flattened) strand ropes are custom designed and adjusted to diameter and weight requirements and customers' country standards. Tensile strengths are selected to meet certain efficiency or breaking force requirements. Our triangular strand ropes provide a "flat" strand surface on sheave and drum areas, exposing four times more wearing surface than round strand, reducing abrasion and applied unit pressure. The compact design resists crushing and distortion under heavy loads and produces 10 percent greater strength over a standard 6-strand rope. These properties make this product a very proven hoist rope for a wide range of drum and koepe friction winder applications.


Drum Winder


Slope Winder


Koepe Winder head rope

Nominal Diameter		metallic area		Weight		Aggregate Breaking Force 1770 N/mm²		Aggregate Breaking Force 1960 N/mm²		Minimum Breaking Force 1770 N/mm²		Minimum Breaking Force 1960 N/mm²	
mm	inch	mm²	Sqin	kg/m	lb/ft	kN	lbs	kN	lbs	kN	lbs	kN	lbs
21		195.0	0.3023	1.77	1.19	345.1	77,582	382.0	85,877	290.0	65,195	321.0	72,164
22		214.0	0.3317	1.94	1.30	378.4	85,068	418.9	94,173	318.0	71,490	352.0	79,133
23		234.0	0.3627	2.13	1.43	412.9	92,824	458.2	103,008	347.0	78,009	385.0	86,552
24		255.0	0.3953	2.32	1.56	449.8	101,120	498.6	112,090	378.0	84,978	419.0	94,195
25		281.0	0.4356	2.53	1.70	487.9	109,685	540.3	121,465	410.0	92,172	454.0	102,064
26		304.0	0.4712	2.74	1.84	549.9	123,623	595.2	133,807	462.1	103,885	500.2	112,450
27		328.0	0.5084	2.95	1.98	600.1	134,908	655.8	147,430	504.3	113,372	551.1	123,893
28		353.0	0.5472	3.17	2.13	643.1	144,575	697.8	156,872	540.4	121,487	586.4	131,829
29		378.0	0.5859	3.43	2.30	695.5	156,355	760.0	170,856	584.5	131,401	638.7	143,586
30		405.0	0.6278	3.63	2.44	732.9	164,763	800.9	180,050	615.9	138,460	673.1	151,320
32		460.0	0.7130	4.14	2.78	837.3	188,233	908.6	204,262	703.6	158,176	763.5	171,642
33		490.0	0.7595	4.38	2.94	890.0	200,081	972.8	218,695	747.9	168,135	817.5	183,782
34		520.0	0.8060	4.68	3.14	946.2	212,715	1,034.1	232,476	795.1	178,746	869.0	195,360
35		551.0	0.8541	4.94	3.32	996.4	224,001	1,088.7	244,751	837.3	188,233	914.8	205,656
36		581.0	0.9006	5.23	3.51	1,046.1	235,174	1,141.1	256,531	879.1	197,630	958.9	215,570
37		616.0	0.9548	5.55	3.73	1,123.3	252,529	1,224.4	275,257	943.9	212,198	1,028.9	231,307
38		649.0	1.0060	5.84	3.92	1,191.3	267,816	1,292.7	290,612	1,001.1	225,057	1,086.3	244,211
39		684.0	1.0602	6.20	4.17	1,255.2	282,182	1,364.9	306,843	1,054.8	237,130	1,147.0	257,857
40		720.0	1.1160	6.40	4.30	1,290.8	290,185	1,390.1	312,508	1,077.8	242,300	1,160.7	260,937
41		756.0	1.1718	6.83	4.59	1,368.5	307,652	1,481.8	333,123	1,142.7	256,890	1,237.3	278,157
42		792.0	1.2276	7.10	4.77	1,432.8	322,108	1,551.5	348,793	1,196.4	268,963	1,295.5	291,241
43		834.0	1.2927	7.48	5.03	1,504.9	338,317	1,629.8	366,395	1,256.6	282,496	1,360.9	305,944
44		871.0	1.3501	7.81	5.25	1,564.1	351,625	1,684.8	378,760	1,306.1	293,624	1,406.8	316,263
45		909.0	1.4090	8.19	5.50	1,627.3	365,833	1,752.8	394,047	1,358.8	305,472	1,463.6	329,032
46		950.0	1.4725	8.53	5.73	1,734.4	389,910	1,871.5	420,732	1,448.2	325,570	1,562.7	351,311
47		992.0	1.5376	8.90	5.98	1,799.5	404,546	1,941.6	436,491	1,502.6	337,800	1,621.3	364,484
48		1,037.0	1.6074	9.30	6.25	1,853.0	416,573	1,995.8	448,676	1,547.3	347,849	1,666.5	374,646
49		1,081.0	1.6756	9.77	6.57	1,932.4	434,423	2,080.6	467,740	1,613.6	362,753	1,737.3	390,562
50		1,125.0	1.7438	10.09	6.78	2,021.7	454,498	2,177.3	489,479	1,688.1	379,502	1,818.0	408,705
51		1,171.0	1.8151	10.49	7.05	2,105.1	473,248	2,267.7	509,802	1,747.0	392,743	1,881.9	423,070
52		1,222.0	1.8941	10.93	7.34	2,184.0	490,985	2,352.2	528,798	1,812.4	407,446	1,952.1	438,852
53		1,267.0	1.9639	11.24	7.55	2,258.4	507,711	2,432.5	546,850	1,874.2	421,339	2,018.7	453,824
54		1,316.0	2.0398	11.72	7.88	2,356.3	529,720	2,533.8	569,624	1,955.5	439,616	2,102.8	472,730
55		1,365.0	2.1158	12.11	8.14	2,429.6	546,198	2,616.6	588,238	2,016.2	453,262	2,171.5	488,175
56		1,415.0	2.1933	12.59	8.46	2,535.4	569,983	2,730.8	613,911	2,104.1	473,023	2,266.2	509,464
57		1,466.0	2.2723	13.05	8.77	2,615.4	587,968	2,817.0	633,290	2,170.4	487,928	2,337.7	525,538
58		1,518.0	2.3529	13.51	9.08	2,725.1	612,630	2,935.4	659,907	2,261.5	508,408	2,436.1	547,660
59		1,571.0	2.4351	13.99	9.40	2,834.0	637,112	3,047.8	685,176	2,351.9	528,731	2,529.3	568,612
60		1,625.0	2.5188	14.43	9.70	2,882.6	648,037	3,105.0	698,035	2,392.2	537,790	2,576.8	579,290

Product specifications are subject to change without notice or obligation. The shown drawings or cross sections are only for illustrative purposes; the images can vary depending on requested diameter and current status of technical development. This table is for reference only. Additional sizes available upon request.

Special constructions and diameters available – please contact us directly.