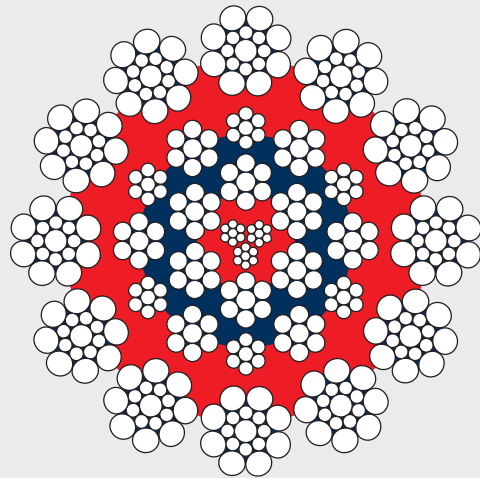


CASAR MINEPLAST M

- High performance mining rope
- Rotation resistant
- Fully lubricated
- Plastic layer between steel core and outer strands
- High breaking force
- Available in ordinary (regular) lay or langs lay



PROPERTIES



Swivel



Lubricated



Tolerance



Plast rope

APPLICATIONS

High performance hoist rope for drum and particularly for koepe friction winder applications, where rotation-resistant ropes are required. Rope design and manufacturing parameters are adjusted according to the application, i.e. Mineplast MD and Mineplast MF. The Mineplast M with conventional strands offers a very high fatigue resistance. This design is continuously improved, particularly the inner elements, to achieve the optimum strand-to-strand contact conditions and to offer the best possible service life.

Less recommended for multi-layer drum winder applications.



Shaft Sinking

Koepe Winder
head rope

Nominal Diameter		metallic area		Weight		Aggregate Breaking Force				Minimum Breaking Force			
						1770 N/mm ²		1960 N/mm ²		1770 N/mm ²		1960 N/mm ²	
						kN	lbs	kN	lbs	kN	lbs	kN	lbs
mm	inch	mm ²	Sqin	kg/m	lb/ft								
20		195.6	0.3032	1.75	1.18	346.3	77,842	383.4	86,198	272.6	61,283	301.8	67,847
21		215.7	0.3343	1.93	1.30	381.8	85,821	422.7	95,034	300.5	67,555	332.8	74,816
22		236.7	0.3669	2.12	1.42	419.0	94,189	463.9	104,300	329.8	74,142	365.2	82,100
	7/8	241.6	0.3744	2.16	1.45	427.6	96,126	473.5	106,444	336.6	75,666	372.7	83,788
23		258.7	0.4010	2.32	1.56	457.9	102,946	507.1	113,997	360.5	81,044	399.2	89,744
24		281.7	0.4366	2.52	1.70	498.6	112,093	552.1	124,125	392.5	88,237	434.6	97,702
25		305.7	0.4738	2.74	1.84	541.0	121,629	599.1	134,685	425.9	95,746	471.6	106,020
	1	315.5	0.4891	2.83	1.90	558.5	125,552	618.4	139,029	439.6	98,834	486.8	109,440
26		330.6	0.5124	2.96	1.99	585.2	131,553	648.0	145,675	460.6	103,547	510.1	114,675
27		356.5	0.5526	3.19	2.15	631.1	141,868	698.8	157,096	496.7	111,663	550.1	123,667
28		383.4	0.5943	3.43	2.31	678.7	152,571	751.5	168,949	534.2	120,093	591.6	132,997
	1 1/8	399.3	0.6190	3.58	2.40	706.8	158,901	782.7	175,959	556.4	125,076	616.1	138,515
29		411.3	0.6375	3.68	2.48	728.0	163,663	806.2	181,232	573.1	128,838	634.6	142,664
30		440.2	0.6822	3.94	2.65	779.1	175,145	862.7	193,946	613.3	137,875	679.1	152,668
31		470.0	0.7285	4.21	2.83	831.9	187,016	921.2	207,091	654.8	147,205	725.1	163,009
	1 1/4	493.0	0.7642	4.42	2.97	872.6	196,175	966.3	217,233	686.9	154,414	760.6	170,992
32		500.8	0.7762	4.49	3.01	886.4	199,276	981.6	220,667	697.8	156,872	772.7	173,710
33		532.6	0.8255	4.77	3.21	942.7	211,926	1,043.9	234,675	742.0	166,808	821.7	184,725
34		565.4	0.8763	5.06	3.40	1,000.7	224,964	1,108.1	249,113	787.7	177,082	872.3	196,101
35	1 3/8	596.5	0.9246	5.34	3.59	1,055.9	237,371	1,169.2	262,852	834.7	187,648	924.3	207,791
36		633.8	0.9824	5.68	3.82	1,121.9	252,209	1,242.3	279,282	883.1	198,529	977.9	219,841
37		669.5	1.0378	6.00	4.03	1,185.1	266,415	1,312.3	295,013	932.8	209,702	1,033.0	232,228
38		706.2	1.0946	6.33	4.25	1,250.0	281,011	1,384.2	311,176	983.9	221,189	1,089.6	244,952
	1 1/2	709.9	1.1004	6.36	4.27	1,256.6	282,492	1,391.5	312,816	989.1	222,355	1,095.3	246,243
39		743.9	1.1530	6.66	4.48	1,316.7	295,995	1,458.0	327,769	1,036.4	232,992	1,147.7	258,013
40		782.5	1.2129	7.01	4.71	1,385.0	311,369	1,533.7	344,793	1,090.2	245,087	1,207.3	271,412
41		822.1	1.2743	7.36	4.95	1,455.2	327,132	1,611.4	362,248	1,145.4	257,496	1,268.4	285,148
42		862.7	1.3372	7.73	5.19	1,527.0	343,284	1,690.9	380,134	1,202.0	270,220	1,331.0	299,221
	1 5/8	833.2	1.2914	7.46	5.02	1,474.7	331,535	1,633.0	367,124	1,160.9	260,972	1,285.4	288,980
43		904.3	1.4016	8.10	5.44	1,600.6	359,826	1,772.4	398,451	1,259.9	283,237	1,395.2	313,653
44		946.8	1.4676	8.48	5.70	1,675.9	376,757	1,855.8	417,199	1,319.2	296,568	1,460.8	328,401
	1 3/4	966.3	1.4978	8.66	5.82	1,710.4	384,502	1,893.9	425,777	1,346.3	302,665	1,490.8	335,152
45		990.4	1.5351	8.87	5.96	1,752.9	394,077	1,941.1	436,379	1,379.8	310,191	1,528.0	343,508
46		1,034.9	1.6040	9.27	6.23	1,831.7	411,786	2,028.3	455,989	1,441.8	324,129	1,596.6	358,930
47		1,080.3	1.6745	9.68	6.50	1,912.2	429,884	2,117.5	476,030	1,505.2	338,382	1,666.8	374,711
	1 7/8	1,109.3	1.7194	9.94	6.68	1,963.4	441,393	2,174.2	488,774	1,545.5	347,442	1,711.4	384,743
48		1,126.8	1.7466	10.09	6.78	1,994.5	448,371	2,208.6	496,502	1,569.9	352,927	1,738.5	390,830
49		1,174.3	1.8201	10.52	7.07	2,078.4	467,248	2,301.5	517,405	1,636.0	367,787	1,811.7	407,286
50		1,222.7	1.8951	10.95	7.36	2,164.1	486,514	2,396.4	538,739	1,703.5	382,962	1,886.4	424,080
	2	1,262.1	1.9563	11.31	7.60	2,233.9	502,207	2,473.7	556,116	1,758.4	395,315	1,947.2	437,759
51		1,272.1	1.9717	11.40	7.66	2,251.6	506,169	2,493.2	560,504	1,772.3	398,429	1,962.6	441,210
52		1,322.4	2.0498	11.85	7.96	2,340.7	526,214	2,592.0	582,700	1,842.5	414,210	2,040.3	458,678
53		1,373.8	2.1294	12.31	8.27	2,431.6	546,647	2,692.6	605,327	1,914.1	430,307	2,119.5	476,482
54	2 1/8	1,424.8	2.2084	12.76	8.58	2,521.9	566,945	2,792.6	627,803	1,987.0	446,695	2,200.3	494,647
55		1,479.4	2.2931	13.25	8.91	2,618.6	588,682	2,899.7	651,874	2,061.2	463,376	2,282.5	513,126
56		1,533.7	2.3773	13.74	9.23	2,714.7	610,283	3,006.1	675,794	2,136.9	480,394	2,366.3	531,965
57	2 1/4	1,597.4	2.4759	14.31	9.62	2,827.3	635,606	3,130.8	703,835	2,213.9	497,704	2,451.5	551,119
58		1,645.2	2.5501	14.74	9.90	2,912.0	654,654	3,224.6	724,927	2,292.2	515,307	2,538.3	570,632
59		1,702.4	2.6388	15.25	10.25	3,013.3	677,422	3,336.8	750,140	2,372.0	533,247	2,626.6	590,483
60		1,760.6	2.7290	15.77	10.60	3,116.3	700,580	3,450.9	775,784	2,453.0	551,456	2,716.4	610,671
	2 3/8	1,779.8	2.7586	15.94	10.71	3,150.2	708,191	3,488.3	784,211	2,479.6	557,436	2,745.9	617,303
61		1,819.8	2.8207	16.30	10.95	3,221.1	724,128	3,566.8	801,859	2,535.4	569,980	2,807.7	631,196
62		1,880.0	2.9140	16.84	11.32	3,327.6	748,064	3,684.8	828,365	2,619.3	588,842	2,900.5	652,058
63		1,941.1	3.0087	17.39	11.68	3,435.8	772,390	3,804.6	855,302	2,704.4	607,973	2,994.8	673,258
	2 1/2	1,972.0	3.0567	17.67	11.87	3,490.5	784,699	3,865.2	868,932	2,747.5	617,662	3,042.6	684,004
64		2,003.2	3.1050	17.94	12.06	3,545.7	797,105	3,926.3	882,670	2,791.0	627,442	3,090.7	694,817
65		2,066.3	3.2028	18.51	12.44	3,657.4	822,209	4,050.0	910,469	2,878.9	647,202	3,188.0	716,691

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