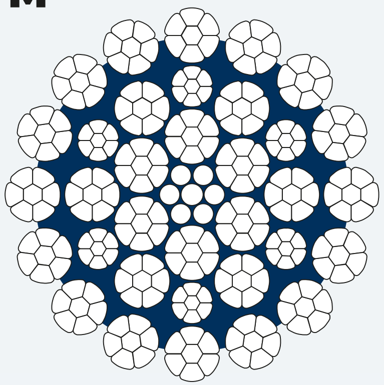
CASAR **STARLIFT PLUS M**



- High performance mining rope
- Category 1 rotation resistant
- Fully lubricated
- Extremely high breaking force
- Good resistance to drum crushing
- Available in ordinary (regular) lay or langs lay

PROPERTIES

No swivel
Lubricated
Tolerance
Compacted
High Breaking Force

APPLICATIONS

High performance hoist rope for drum, koepe friction winder and particularly shaft sinking applications, where rotation-resistant ropes are required. Rope design and manufacturing parameters are adjusted according to the application, i.e. Starlift Plus MD and Starlift Plus MF. The Starlift Plus M with compacted strands offers a very high fatigue resistance as well as a good resistance to drum crushing. It is a very flexible rope with a specially designed core avoiding crossovers between the strands of core and preventing internal rope degradation.

Drum Winder
Shaft Sinking
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
20		225.6	0.3497	1.98	1.33	399.3	89,769	442.2	99,405	332.0	74,637	367.0	82,505
21		247.3	0.3833	2.17	1.46	437.7	98,404	484.7	108,967	364.0	81,830	402.0	90,373
22		271.8	0.4213	2.39	1.61	481.1	108,152	532.7	119,762	400.0	89,924	442.0	99,366
	7/8	277.4	0.4300	2.44	1.64	491.0	110,381	543.7	122,229	408.2	91,776	451.1	101,413
23		296.9	0.4602	2.61	1.75	525.5	118,140	581.9	130,822	437.0	98,241	483.0	108,583
24		322.5	0.4999	2.83	1.90	570.8	128,327	632.1	142,102	475.0	106,795	525.0	118,025
25		350.5	0.5433	3.08	2.07	620.4	139,468	687.0	154,439	516.0	116,001	571.0	128,366
	1	361.8	0.5608	3.18	2.14	640.4	143,964	709.1	159,418	532.6	119,741	589.4	132,504
26		377.7	0.5854	3.32	2.23	668.5	150,291	740.3	166,424	556.0	124,994	615.0	138,257
27		410.9	0.6369	3.61	2.43	727.3	163,502	805.4	181,053	605.0	136,009	669.0	150,397
28		441.4	0.6842	3.88	2.61	781.3	175,638	865.1	194,492	650.0	146,126	719.0	161,638
	1 1/8	459.7	0.7125	4.04	2.71	813.7	182,920	901.0	202,556	676.9	152,184	748.8	168,339
29		471.8	0.7313	4.15	2.79	835.1	187,735	924.7	207,887	694.0	156,017	768.0	172,653
30		508.1	0.7876	4.47	3.00	899.3	202,179	995.9	223,882	748.0	168,157	827.0	185,917
31		539.8	0.8367	4.75	3.19	955.4	214,793	1,058.0	237,850	795.0	178,721	879.0	197,607
	1 1/4	566.2	0.8776	4.98	3.35	1,002.2	225,298	1,109.8	249,482	833.9	187,462	922.0	207,271
32		573.4	0.8888	5.04	3.39	1,014.9	228,163	1,123.9	252,655	844.0	189,739	934.0	209,972
33		616.1	0.9550	5.42	3.64	1,090.5	245,153	1,207.6	271,469	907.0	203,902	1,003.0	225,483
34		647.1	1.0030	5.69	3.82	1,145.4	257,489	1,268.3	285,129	953.0	214,243	1,054.0	236,949
	1 3/8	682.8	1.0583	6.00	4.03	1,208.6	271,694	1,338.3	300,859	1,005.6	226,062	1,112.1	250,021
36		729.2	1.1303	6.54	4.39	1,290.7	290,157	1,429.2	321,304	1,074.0	241,441	1,187.0	266,848
38		812.0	1.2586	7.31	4.91	1,437.2	323,104	1,591.5	357,788	1,195.0	268,647	1,322.0	297,197
	1 1/2	816.3	1.2653	7.35	4.94	1,444.9	324,815	1,599.9	359,683	1,201.3	270,069	1,329.0	298,771
40		900.8	1.3962	8.06	5.42	1,594.4	358,439	1,765.6	396,915	1,326.0	298,097	1,467.0	329,795
	1 5/8	959.1	1.4866	8.58	5.77	1,697.6	381,637	1,879.8	422,604	1,411.8	317,389	1,561.9	351,139
42		992.5	1.5384	8.87	5.96	1,756.7	394,927	1,945.3	437,321	1,461.0	328,446	1,616.0	363,291
43		1,040.3	1.6125	9.29	6.24	1,841.3	413,948	2,039.0	458,383	1,531.3	344,250	1,693.8	380,781
44		1,087.1	1.6850	9.77	6.57	1,924.2	432,570	2,130.7	479,004	1,600.0	359,694	1,770.0	397,912
	1 3/4	1,109.4	1.7196	9.97	6.70	1,963.6	441,443	2,174.4	488,830	1,632.8	367,073	1,806.3	406,074
46		1,188.0	1.8414	10.68	7.18	2,102.8	472,719	2,328.5	523,463	1,749.0	393,191	1,935.0	435,005
47		1,240.3	1.9225	11.14	7.49	2,195.3	493,530	2,431.0	546,508	1,756.3	394,824	1,944.8	437,206
	1 7/8	1,273.4	1.9738	11.45	7.69	2,253.9	506,701	2,495.9	561,092	1,803.1	405,361	1,996.7	448,874
48		1,298.8	2.0131	11.58	7.78	2,298.9	516,808	2,545.6	572,284	1,839.1	413,446	2,036.5	457,827
49		1,353.5	2.0979	12.06	8.10	2,395.7	538,574	2,652.9	596,387	1,916.6	430,859	2,122.3	477,109
50		1,410.7	2.1866	12.61	8.47	2,496.9	561,334	2,765.0	621,590	1,997.6	449,067	2,212.0	497,272
	2	1,456.2	2.2571	13.02	8.75	2,577.5	579,439	2,854.2	641,639	2,062.0	463,551	2,283.3	513,311
51		1,467.6	2.2748	13.12	8.82	2,597.7	583,975	2,876.5	646,662	2,078.1	467,180	2,301.2	517,330
52		1,526.3	2.3658	13.61	9.15	2,701.6	607,333	2,991.5	672,527	2,161.2	485,866	2,393.2	538,021
53		1,585.5	2.4575	14.13	9.49	2,806.3	630,889	3,107.6	698,612	2,245.1	504,711	2,486.1	558,889
54	2 1/8	1,654.6	2.5646	14.70	9.88	2,928.6	658,385	3,243.0	729,059	2,342.9	526,708	2,594.4	583,247
55		1,718.1	2.6631	15.26	10.25	3,041.0	683,652	3,367.5	757,039	2,432.8	546,922	2,694.0	605,631
56		1,767.8	2.7401	15.81	10.62	3,129.0	703,428	3,464.9	778,938	2,503.2	562,743	2,771.9	623,150
57	2 1/4	1,831.5	2.8388	16.38	11.01	3,241.8	728,775	3,589.7	807,005	2,593.4	583,020	2,871.8	645,604
58		1,896.3	2.9393	16.96	11.40	3,356.5	754,571	3,716.8	835,570	2,685.2	603,656	2,973.4	668,456
59		1,962.3	3.0415	17.55	11.79	3,473.2	780,814	3,846.1	864,631	2,778.6	624,652	3,076.9	691,705
60		2,029.4	3.1455	18.15	12.20	3,592.0	807,507	3,977.6	894,189	2,873.6	646,006	3,182.0	715,351
	2 3/8	2,051.5	3.1798	18.35	12.33	3,631.2	816,316	4,020.9	903,943	2,904.9	653,053	3,216.8	723,154
61		2,097.7	3.2514	18.76	12.61	3,712.9	834,699	4,111.5	924,300	2,933.2	659,413	3,248.1	730,197
62		2,167.1	3.3590	19.38	13.02	3,835.8	862,315	4,247.5	954,879	3,030.3	681,229	3,355.5	754,355
63		2,237.5	3.4681	20.01	13.45	3,960.4	890,328	4,385.5	985,899	3,128.7	703,359	3,464.5	778,861
	2 ½	2,273.2	3.5235	20.33	13.66	4,023.6	904,533	4,455.5	1,001,630	3,178.6	714,581	3,519.8	791,288
64		2,309.1	3.5791	20.65	13.88	4,087.1	918,818	4,525.8	1,017,448	3,228.8	725,866	3,575.4	803,784
65		2,381.8	3.6918	21.30	14.31	4,215.8	947,746	4,668.3	1,049,482	3,330.5	748,720	3,688.0	829,091

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