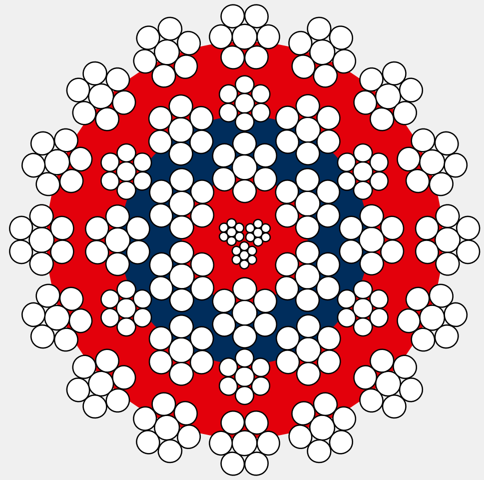
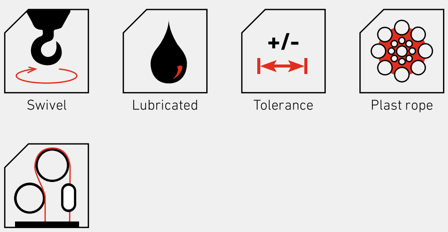
CASAR **STARPLAST M**

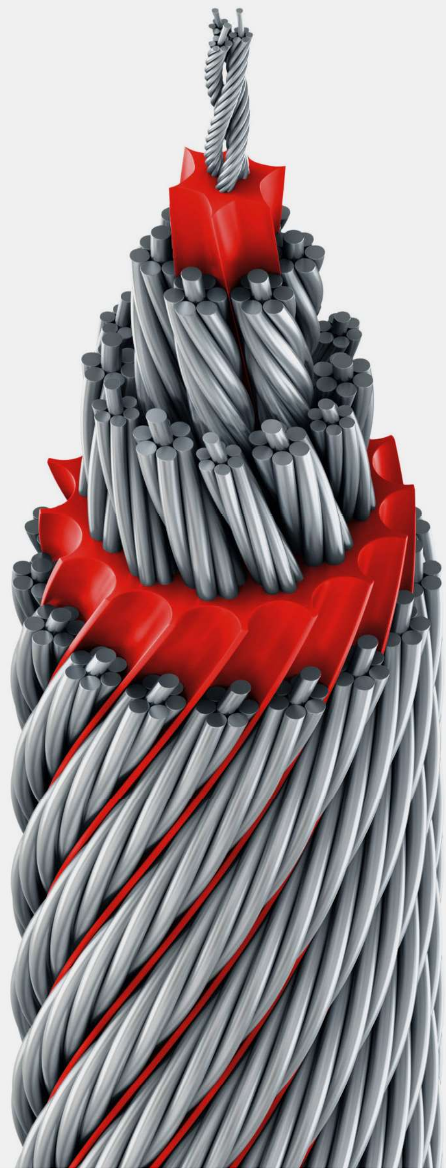


- High performance mining rope
- Category 1 rotation resistant
- Fully lubricated
- Plastic layer between steel core and outer strands
- High breaking force
- Available in ordinary (regular) lay or langs lay

PROPERTIES



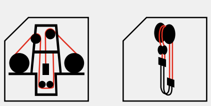
Swivel Lubricated Tolerance Plast rope Ultra Deep



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. Starplast MD and Starplast MF. The Starplast 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 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		198.3	0.3074	1.77	1.19	351.0	78,917	388.7	87,389	287.9	64,712	318.8	71,659
21		218.7	0.3389	1.95	1.31	387.0	87,006	428.6	96,346	317.4	71,345	351.4	79,004
22		240.0	0.3720	2.14	1.44	424.8	95,490	470.4	105,740	348.3	78,302	385.7	86,707
	7/8	244.9	0.3796	2.19	1.47	433.5	97,453	480.0	107,914	355.5	79,912	393.6	88,490
23		262.3	0.4065	2.34	1.57	464.3	104,368	514.1	115,572	380.7	85,582	421.6	94,769
24		285.6	0.4427	2.55	1.71	505.5	113,641	559.8	125,840	414.5	93,186	459.0	103,189
25		309.9	0.4803	2.77	1.86	548.5	123,308	607.4	136,545	449.8	101,113	498.1	111,967
	1	319.9	0.4958	2.86	1.92	566.2	127,286	627.0	140,949	464.3	104,374	514.1	115,578
26		335.2	0.5195	2.99	2.01	593.3	133,370	656.9	147,687	486.5	109,364	538.7	121,103
27		361.5	0.5603	3.23	2.17	639.8	143,827	708.5	159,266	524.6	117,938	580.9	130,598
28		388.7	0.6025	3.47	2.33	688.0	154,678	761.9	171,282	564.2	126,836	624.8	140,451
	1 1/8	404.9	0.6275	3.62	2.43	716.6	161,096	793.5	178,389	587.6	132,099	650.7	146,279
29		417.0	0.6463	3.73	2.50	738.1	165,924	817.3	183,735	605.2	136,057	670.2	150,662
30		446.2	0.6917	3.99	2.68	789.8	177,564	874.6	196,625	647.7	145,602	717.2	161,232
31		476.5	0.7386	4.26	2.86	843.4	189,599	933.9	209,951	691.6	155,471	765.8	172,160
	1 1/4	499.8	0.7747	4.47	3.00	884.7	198,884	979.6	220,233	725.4	163,085	803.3	180,591
32		507.7	0.7870	4.54	3.05	898.7	202,028	995.1	223,715	736.9	165,663	816.0	183,446
33		540.0	0.8369	4.82	3.24	955.7	214,852	1,058.3	237,916	783.7	176,179	867.8	195,091
34		573.2	0.8884	5.12	3.44	1,014.5	228,071	1,123.4	252,553	831.9	187,018	921.2	207,094
35	1 3/8	604.8	0.9374	5.40	3.63	1,070.5	240,650	1,185.4	266,482	877.8	197,333	972.0	218,515
36		642.6	0.9960	5.74	3.86	1,137.4	255,692	1,259.5	283,139	932.6	209,668	1,032.8	232,174
37		678.8	1.0521	6.06	4.07	1,201.4	270,095	1,330.4	299,088	985.2	221,478	1,090.9	245,252
38		716.0	1.1097	6.40	4.30	1,267.3	284,892	1,403.3	315,473	1,039.2	233,611	1,150.7	258,688
	1 1/2	719.7	1.1156	6.43	4.32	1,273.9	286,393	1,410.7	317,136	1,044.6	234,842	1,156.8	260,051
39		754.1	1.1689	6.74	4.53	1,334.8	300,083	1,478.1	332,295	1,094.6	246,068	1,212.1	272,482
40		793.3	1.2296	7.09	4.76	1,404.2	315,669	1,554.9	349,555	1,151.4	258,849	1,275.0	286,635
41		833.5	1.2919	7.45	5.00	1,475.3	331,650	1,633.6	367,251	1,209.7	271,953	1,339.6	301,146
	1 5/8	844.7	1.3093	7.55	5.07	1,495.1	336,114	1,655.6	372,194	1,226.0	275,613	1,357.6	305,199
42		874.6	1.3557	7.81	5.25	1,548.1	348,025	1,714.3	385,384	1,269.4	285,381	1,405.7	316,015
43		916.8	1.4210	8.19	5.50	1,622.7	364,795	1,796.9	403,954	1,330.6	299,132	1,473.4	331,242
44		959.9	1.4879	8.58	5.76	1,699.0	381,960	1,881.4	422,961	1,393.2	313,207	1,542.8	346,828
	1 3/4	979.6	1.5185	8.75	5.88	1,734.0	389,813	1,920.1	431,657	1,421.9	319,646	1,574.5	353,959
45		1,004.0	1.5563	8.97	6.03	1,777.1	399,519	1,967.9	442,405	1,457.3	327,606	1,613.7	362,772
46		1,049.2	1.6262	9.37	6.30	1,857.0	417,473	2,056.4	462,286	1,522.7	342,328	1,686.2	379,075
	1 7/8	1,124.6	1.7431	10.05	6.75	1,990.5	447,489	2,204.2	495,525	1,632.2	366,941	1,807.4	406,330
47		1,095.3	1.6977	9.79	6.58	1,938.6	435,821	2,146.7	482,604	1,589.7	357,373	1,760.3	395,735
48		1,142.4	1.7707	10.21	6.86	2,022.0	454,564	2,239.1	503,359	1,658.0	372,742	1,836.0	412,754
49		1,190.5	1.8452	10.64	7.15	2,107.1	473,701	2,333.3	524,551	1,727.8	388,435	1,913.3	430,132
50		1,239.6	1.9213	11.07	7.44	2,194.0	493,233	2,429.5	546,179	1,799.1	404,451	1,992.2	447,867
	2	1,279.5	1.9833	11.43	7.68	2,264.8	509,143	2,507.9	563,797	1,857.1	417,497	2,056.5	462,313
51		1,289.6	1.9989	11.52	7.74	2,282.6	513,160	2,527.7	568,245	1,871.8	420,791	2,072.7	465,961
52		1,340.7	2.0781	11.98	8.05	2,373.0	533,481	2,627.8	590,748	1,945.9	437,455	2,154.8	484,413
53		1,392.8	2.1588	12.44	8.36	2,465.2	554,197	2,729.8	613,687	2,021.5	454,442	2,238.4	503,223
54	2 1/8	1,444.5	2.2389	12.90	8.67	2,556.7	574,775	2,831.2	636,474	2,096.5	471,315	2,321.6	521,909
55		1,499.9	2.3248	13.40	9.00	2,654.8	596,812	2,939.7	660,877	2,176.9	489,386	2,410.6	541,919
56		1,554.9	2.4101	13.89	9.33	2,752.2	618,712	3,047.6	685,127	2,256.8	507,344	2,499.0	561,804
57		1,610.9	2.4969	14.39	9.67	2,851.3	641,006	3,157.4	709,815	2,338.1	525,625	2,589.1	582,048
	2 1/4	1,619.4	2.5101	14.47	9.72	2,866.4	644,384	3,174.1	713,555	2,350.4	528,395	2,602.7	585,115
58		1,667.9	2.5853	14.90	10.01	2,952.3	663,695	3,269.2	734,939	2,420.9	544,230	2,680.7	602,650
59		1,726.0	2.6752	15.42	10.36	3,054.9	686,778	3,382.9	760,500	2,505.1	563,158	2,774.0	623,610
60		1,785.0	2.7667	15.95	10.72	3,159.4	710,256	3,498.5	786,498	2,590.7	582,410	2,868.8	644,929
	2 3/8	1,804.3	2.7967	16.12	10.83	3,193.7	717,971	3,536.5	795,042	2,618.8	588,736	2,899.9	651,934
61		1,845.0	2.8597	16.48	11.08	3,265.6	734,129	3,616.1	812,933	2,677.8	601,985	2,965.2	666,605
62		1,905.9	2.9542	17.03	11.44	3,373.5	758,396	3,735.6	839,805	2,766.3	621,884	3,063.2	688,640
63		1,967.9	3.0503	17.58	11.81	3,483.2	783,057	3,857.1	867,114	2,856.2	642,107	3,162.8	711,034
	2 ½	1,999.3	3.0989	17.86	12.00	3,538.7	795,536	3,918.6	880,933	2,901.8	652,340	3,213.2	722,365
64		2,030.9	3.1479	18.14	12.19	3,594.7	808,114	3,980.5	894,860	2,947.6	662,653	3,264.0	733,785
65		2,094.8	3.2470	18.72	12.58	3,707.9	833,564	4,105.9	923,043	3,040.5	683,523	3,366.8	756,895

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.