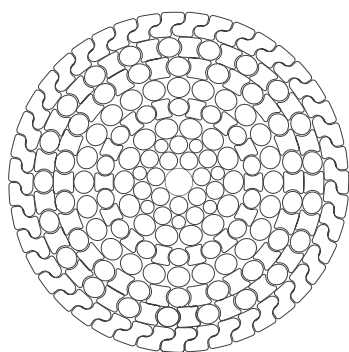


# Full Lock Coil, Z-Lock

A powerful, high strength rope for deep shaft mining applications.

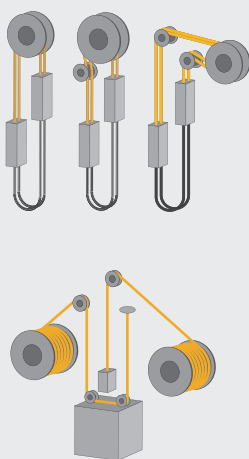
Full Lock Coil, Z-Lock for deep shaft mining is a high strength, low stretch, stable, non-rotating rope. With its characteristic Z wires, designed to prevent unlocking, its smooth outer surface makes it highly compatible with sheave linings (drum and Koepel). Z-Lock ropes can be designed and manufactured to be compatible with specific drum grooves.



## Advantages:

- › Precision engineering
- › High fatigue performance
- › Long service life
- › Cost effective





## Applications:



FLC Z-LOCK/2018/v1.0

Diameter		Weight		Minimum breaking load		
mm	inch	kg/m	lbs/ft	kN	kN	kN
				1570 MPa	1770 MPa	1960 MPa
22	7/8	2.78	1.87	407	440	486
23	-	3.03	2.03	443	480	529
24	15/16	3.29	2.21	482	521	575
25	-	3.56	2.39	522	564	623
26	1"	3.85	2.58	563	609	673
27	-	4.15	2.79	607	656	725
28	-	4.46	3.00	652	706	779
29	1" 1/8	4.78	3.21	700	757	835
30	-	5.12	3.44	747	815	892
31	-	5.47	3.68	798	871	952
32	1" 1/4	5.83	3.92	850	928	1015
33	-	6.21	4.17	904	987	1079
34	-	6.59	4.43	960	1047	1146
35	1" 3/8	6.99	4.70	1018	1110	1214
36	-	7.40	4.97	1077	1175	1285
37	-	7.82	5.26	1137	1241	1357
38	1" 1/2	8.25	5.55	1200	1309	1431
39	-	8.70	5.84	1263	1378	1507
40	-	9.15	6.15	1329	1450	1586
41	1" 5/8	9.62	6.46	1396	1523	1666
42	-	10.10	6.79	1463	1600	1744
43	-	10.59	7.11	1533	1676	1827
44	1" 3/4	11.08	7.45	1604	1754	1912
45	-	11.59	7.79	1677	1834	1999
46	-	12.11	8.14	1752	1916	2088
47	-	12.65	8.50	1828	1999	2179
48	1" 7/8	13.19	8.86	1905	2083	2271
49	-	13.74	9.23	1984	2169	2365
50	-	14.30	9.61	2064	2257	2460
51	2"	14.87	9.99	2145	2346	2558
52	-	15.45	10.38	2228	2437	2656
53	-	16.04	10.78	2313	2529	2757
54	2" 1/8	16.64	11.18	2398	2623	2859
55	-	17.25	11.59	2498	2747	2988
56	-	17.86	12.00	2587	2845	3094
57	2" 1/4	18.49	12.42	2677	2944	3202
58	-	19.12	12.85	2768	3044	3311
59	-	19.77	13.28	2861	3146	3421
60	2" 3/8	20.42	13.72	2954	3249	3533
61	-	21.08	14.17	3049	3353	3647
62	-	21.75	14.62	3145	3459	3762
63	-	22.43	15.07	3243	3566	3878
64	2" 1/2	23.12	15.53	3341	3674	3996

## Full Lock Coil, Z-Lock wire rope properties

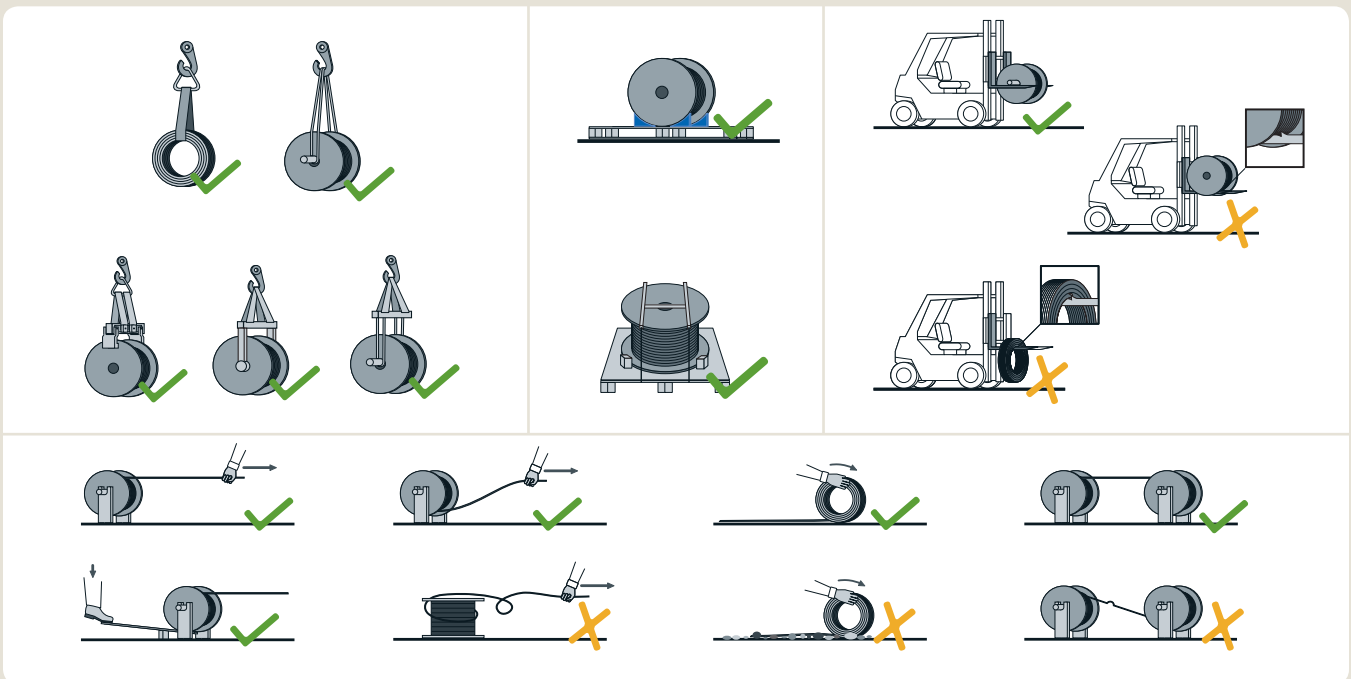
Standard Properties				
	Rotation Resistance	Stretch Resistant		
On Demand				
	Bright Wire	Galvanised Wire	Electromagnetic Inspection	Right/Left Hand Lay

## Storage and maintenance

The rope must be adequately maintained and regularly lubricated, as often as it is necessary, but at least when the rope works in extreme conditions and before/after prolonged inactivity. The lubricant must be compatible with the original grease. Before re-lubrication, the wire rope must be dry and cleaned by scraping. Cleaning by cloth, cryogenic spray, high pressure cleaner and solvents are forbidden.

When stored, the rope should be kept in a dry and ventilated environment with no direct contact with the floor and an air flow under the reel. Visual inspection is necessary before the use of a stored wire rope. In case of doubt of the quality of the wire rope, we can help you to find and make additional inspection analysis.

## EWRIS handling recommendations



The diagrams illustrate various handling scenarios for wire rope coils. Green checkmarks indicate correct practices, while orange X marks indicate incorrect practices. Correct practices include: using proper lifting techniques (hooked coils, balanced lifting), storing coils on pallets with air flow underneath, and using forklifts to move coils without dragging them. Incorrect practices include: dragging coils on the ground, using forklifts to lift coils by the side, and improper stacking or support methods.

At all times, contact of the rope with any metallic pieces should be avoided to prevent early damage.



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