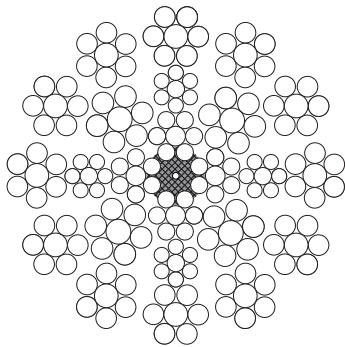


NRHD 24 Extraction Ropes

A versatile rope engineered specifically for deep shaft mining applications.

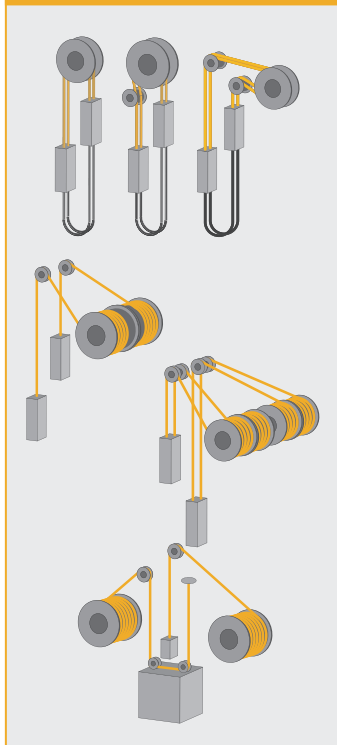
Engineered to address the physical challenges encountered in deep shaft mining, NRHD 24 is engineered for use as a Koepe extraction or balance rope, drum winder rope or sinking rope. The textile core absorbs pressure from surrounding strands and assists lubrication.



Advantages:

- › Easy installation
- › High stability performance
- › Cost effective

Applications:



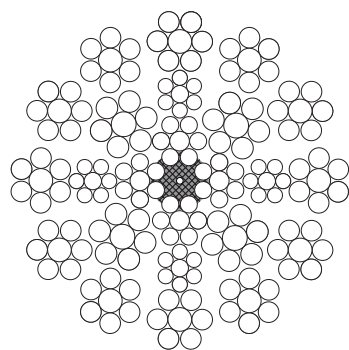
NRHD 24 (Extraction Ropes)/2018/v1.0

Diameter		Weight		Minimum breaking load			
mm	inch	kg/m	lbs/ft	kN	kN	kN	kN
				1570 MPa	1960 MPa	2060 MPa	2160 MPa
20	-	1.76	1.18	246	306	321	336
21	-	1.94	1.31	273	338	355	372
22	7/8	2.14	1.44	300	373	391	410
23	-	2.35	1.58	329	408	428	449
24	15/16	2.56	1.72	359	445	467	489
25	-	2.79	1.87	389	483	507	531
26	1"	3.02	2.03	421	522	548	574
27	-	3.26	2.19	454	563	591	619
28	-	3.50	2.36	488	605	636	666
29	1" 1/8	3.76	2.53	523	649	681	713
30	-	4.03	2.71	559	694	728	763
31	-	4.30	2.89	596	740	777	813
32	1" 1/4	4.58	3.08	635	787	826	866
33	-	4.87	3.27	674	836	878	919
34	-	5.17	3.47	714	886	930	974
35	1" 3/8	5.47	3.68	756	938	984	1031
36	-	5.79	3.89	798	991	1040	1089

NRHD 24 Balance Ropes

A versatile rope engineered specifically for deep shaft mining applications.

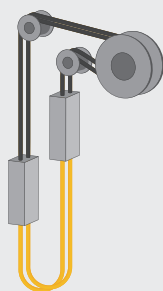
Engineered to address the physical challenges encountered in deep shaft mining, NRHD 24 is engineered for use as a Koepe extraction or balance rope, drum winder rope or sinking rope. The textile core absorbs pressure from surrounding strands and assists lubrication.



Advantages:

- Easy installation
- High stability performance
- Cost effective

Applications:



NRHD 24 (Balance Ropes)/2018/v1.0

Diameter		Weight		Minimum breaking load	
mm	inch	kg/m	lbs/ft	1370 MPa	1570 MPa
28	-	3.54	2.38	429	489
29	1" 1/8	3.79	2.55	459	524
30	-	4.05	2.72	491	560
31	-	4.31	2.90	523	597
32	1" 1/4	4.59	3.08	557	635
33	-	4.88	3.28	592	675
34	-	5.17	3.47	628	716
35	1" 3/8	5.47	3.68	665	758
36	-	5.78	3.89	703	802
37	-	6.11	4.10	742	847
38	1" 1/2	6.44	4.32	783	893
39	-	6.77	4.55	824	940
40	-	7.12	4.79	867	989
41	1" 5/8	7.48	5.03	911	1039
42	-	7.85	5.27	956	1090
43	-	8.22	5.52	1002	1143
44	1" 3/4	8.60	5.78	1049	1196
45	-	9.00	6.05	1097	1251
46	-	9.40	6.32	1146	1308
47	-	9.81	6.59	1197	1365
48	1" 7/8	10.23	6.87	1248	1424
49	-	10.66	7.16	1301	1484
50	-	11.10	7.46	1355	1546
51	2"	11.54	7.76	1410	1609
52	-	12.00	8.06	1466	1673
53	-	12.47	8.38	1523	1738
54	2" 1/8	12.94	8.70	1582	1804
55	-	13.42	9.02	1641	1872
56	-	13.92	9.35	1702	1941
57	2" 1/4	14.42	9.69	1763	2011
58	-	14.93	10.03	1826	2083
59	-	15.45	10.38	1890	2156
60	2" 3/8	15.97	10.73	1955	2230
61	-	16.51	11.09	2021	2306
62	-	17.06	11.46	2088	2382
63	-	17.61	11.83	2157	2460
64	2" 1/2	18.18	12.21	2226	2540
65	-	18.75	12.60	2297	2620
66	-	19.33	12.99	2368	2702
67	2" 5/8	19.92	13.39	2441	2785
68	-	20.52	13.79	2515	2870
69	-	21.13	14.20	2590	2955
70	2" 3/4	21.75	14.62	2667	3042

NRHD 24 wire rope properties

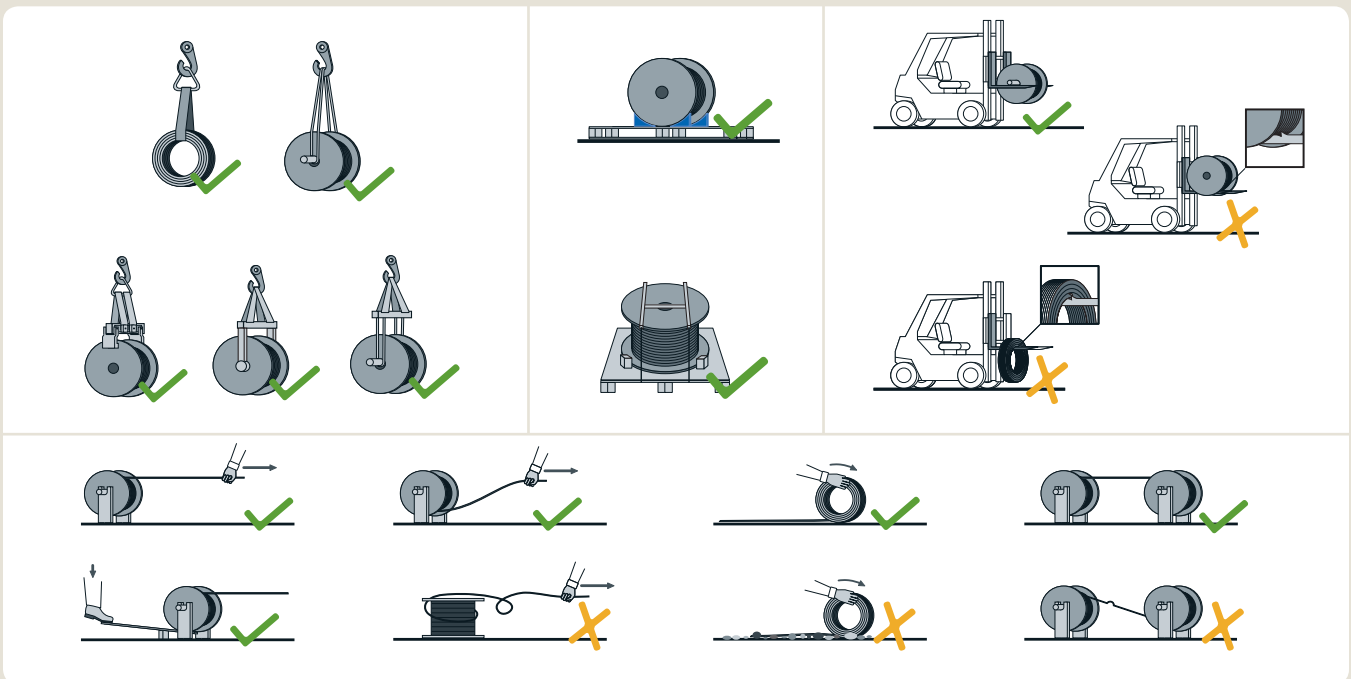
Standard Properties	 Lubrication	 Rotation Resistance	 Stretch Resistant	 Pre-Shaped	 Regular Lay Rope	
On Demand	 Bright Wire	 Galvanised Wire	 Corzal® Wire	 Electromagnetic Inspection	 Lang Lay Rope	 Right/Left Hand Lay

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. Green checkmarks indicate correct practices, while red X marks indicate incorrect practices. Key recommendations include:

- Using proper lifting techniques with slings and hooks.
- Stacking wire rope reels on pallets with adequate support.
- Using forklifts to move reels, ensuring they are balanced and supported.
- Avoiding contact with the floor and other metallic surfaces.
- Proper storage and handling of coils and reels.

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



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High performance Mining Ropes for the most demanding environments

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