

#### 24(W)x17S-SFC / RCN.27

# NRHD 24/24(W)x17

### Rotation resistant hoist rope

**NRHD 24**/24(W)x17 is a rotation resistant rope for a broad spectrum of applications including tower cranes, mobile cranes, crawler cranes, high lift hoisting devices and deck cargo cranes. Excellent performance on multiple layer coiling winches along with a high resistance to bending fatigue.



## Features: High service life performance High level performance on multiple

- layer coiling systems thanks to lang lay and linear links between components
- 12 outer strands over a Warrington steel core
- Lang lay for improved coiling and fatigue properties
- Bright or galvanised steel wires 2160 N/mm<sup>2</sup>

NRHD 24/24(W)x17/2018/v1.0	NRHD	24/24(W)	<b>x17</b> /20	18/v1.0
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Dian	neter	Section	Mass	Minimum breaking load
mm	inch	mm²	kg/m	kN
				2160 MPa
20	-	188.5	1.67	335
21	-	213.4	1.89	368
22	7/8	235.3	2.09	415
24	-	281.0	2.50	495
25.4	1	309.8	2.75	560
28	1-1/8	384.9	3.42	675
29	-	408.2	3.63	712
30	-	446.0	3.95	765
32	1-1/4	507.4	4.49	870
34	1-3/8	572.8	5.07	983
36	-	643.6	5.73	1095
38	1-1/2	717.1	6.38	1215
40	-	795.6	7.08	1345
42	-	877.2	7.81	1485
44	-	962.7	8.57	1630
82	-	3343.7	29.75	5652
Please note: Other diameters with other tolerances than those shown here can be made on studies.			<b>f</b> - Fill Factor	<b>k</b> - Spinning Loss Factor
			0.625	0.800

## **Applications**





#### NRHD 24 wire rope properties



#### 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



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

**EWRIS** European Federation of Steel Wire Rope In



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## High performance **Hoisting Ropes** for the most demanding environments

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