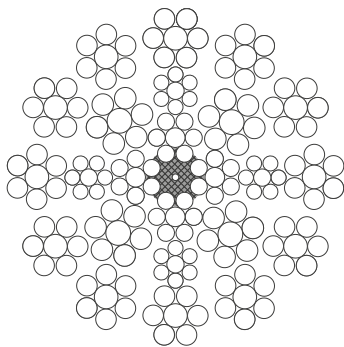


24(W)x7-SFC / RCN.23-1

NRHD 24/24(W)x7

Rotation resistant hoist rope

NRHD 24/24(W)x7 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.



NRHD 24/24(W)x7/2018/v1.0

Diameter		Section	Mass	Minimum breaking load
mm	inch	mm ²	kg/m	kN
				2160 MPa
8	5/16	30.5	0.27	56
9	-	37.8	0.34	68.5
10	-	47.8	0.43	86
11	7/16	56.8	0.51	104
12	-	68.0	0.61	124.5
13	1/2	81.6	0.72	145
14	9/16	96.5	0.86	175
15	-	106.2	0.94	190
16	5/8	125.5	1.12	220
17	-	140.8	1.25	248
18	-	158.2	1.41	275
19	3/4	173.3	1.53	310
			f - Fill Factor	k - Spinning Loss Factor
			0.610	0.830

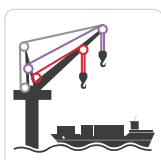
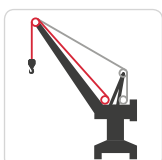
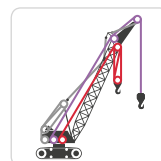
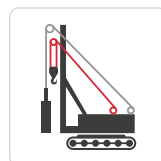
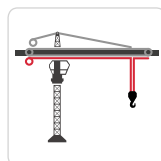
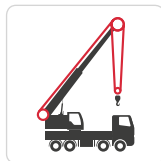
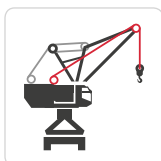
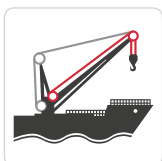
Please note: Other diameters with other tolerances than those shown here can be made on studies.

Indicative values - Tolerance on diameter: ArcelorMittal design (0; +4%)

Features:

- › High service life performance
- › High level performance on multiple layer coiling systems thanks to long lay and linear links between components
- › 12 outer strands over a Warrington steel core
- › Long lay for improved coiling and fatigue properties
- › Bright or galvanised steel wires 2160 N/mm²




Applications



KEY

- Hoist
- Trolley
- Boom Luffing
- Grab
- Auxiliary Hoist
- Pipe Handling

NRHD 24 wire rope properties

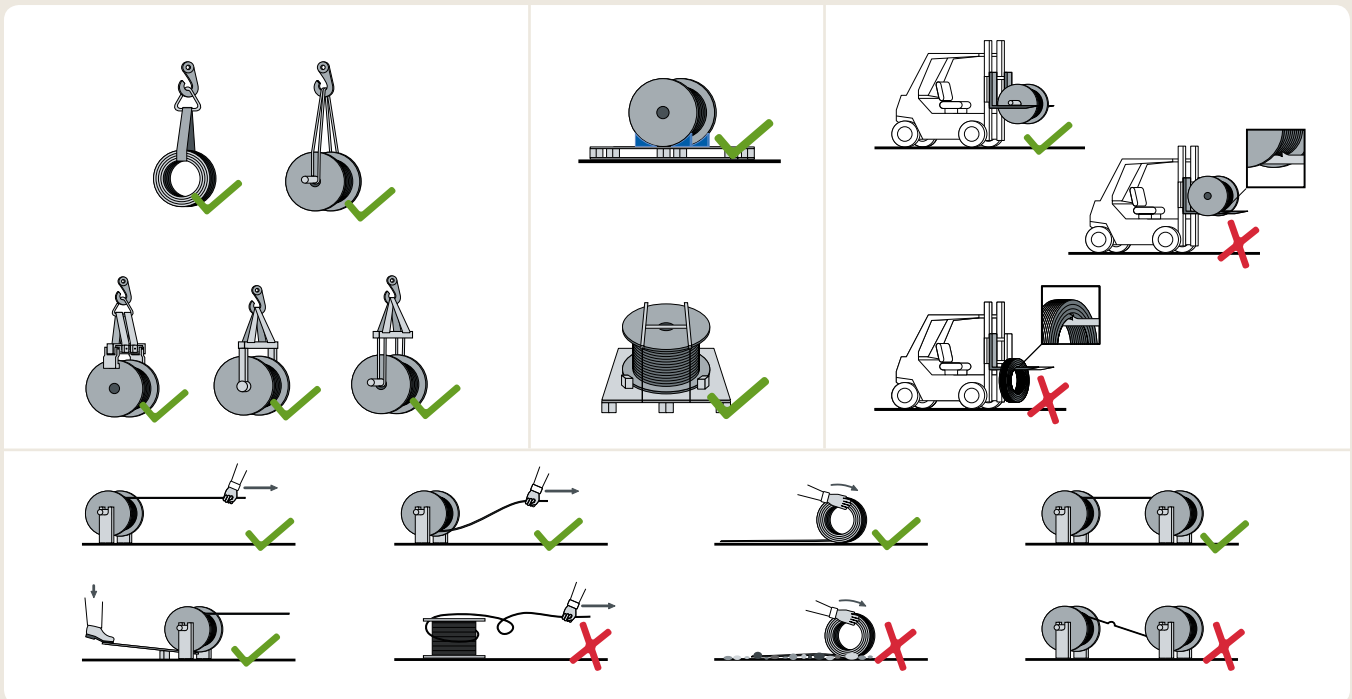
 <p>Lubrication</p>	 <p>Rotation Resistance</p>	 <p>Lang Lay Rope</p>
<p>Extends the life and increases rope performance.</p>	<p>Resistance to spin and rotation whilst under load.</p>	<p>Increased wear resistance and flexibility.</p>

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 diagram illustrates various handling scenarios for wire rope reels. Green checkmarks indicate correct practices, while red crosses indicate incorrect ones. Correct practices include: using proper lifting techniques (two points for large reels, three for smaller ones), stacking reels on a pallet with a dunnage board, and using a forklift to move reels on a pallet. Incorrect practices include: lifting a reel by one point, stacking reels directly on the floor, and using a forklift to move a reel without a pallet.

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



CE
EWRIS
 European Federation of Steel Wire Rope Industries
 © EWRIS 2010



All information in this promotional material shall illustrate products and services in a non final way and invite to further technical or commercial explanation; they are not contractual. © ArcelorMittal 2018.

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

ArcelorMittal ROPES, 25 Avenue de Lyon, BP 38, F-01002 Bourg-en-Bresse Cedex
 Telephone: +33 4 74 32 82 12 | Fax: +33 4 74 32 81 05 | Email: lifting.ropes@arcelormittal.com
www.arcelormittal.com/wireropes

ArcelorMittal ROPES
 ENGINEERING EXCELLENCE