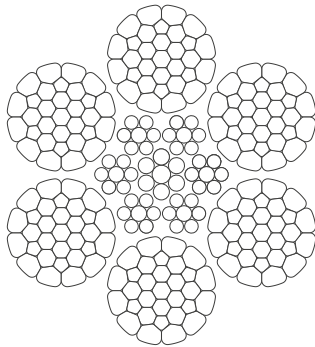


6xK31WS-IWRC / RCN.08

HDHP 6/6xK31WS

6 outer strands with steel core

HDHP 6/6xK31WS is a light use, regular lay rope with 6 outer strands over a steel core. HDHP 6 can be used for applications such as pendant ropes, electric hoists, cranes, trolley ropes and drilling.



Features:

- ▶ 6 outer strands on a steel core
- ▶ Bright or galvanised steel wires

HDHP 6/6xK31WS/2018/v1.0

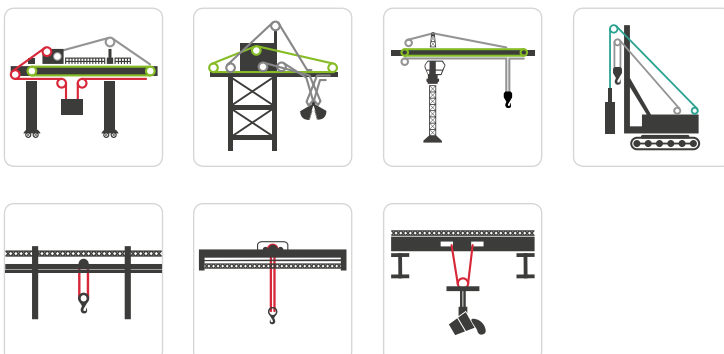
Diameter		Section	Mass	Minimum breaking load
mm	inch	mm ²	kg/m	kN
				2160 MPa
10	-	51.6	0.47	91
11	7/16	62.5	0.56	110.8
12	-	74.4	0.67	130.8
13	1/2	87.3	0.79	154
14	9/16	101.2	0.91	179
15	-	116.2	1.05	205
16	5/8	132.2	1.19	233
17	-	145.7	1.27	255
18	-	163.3	1.43	296.2
19	-	166.9	1.44	329
20	-	168.2	1.45	375
22	7/8	203.5	1.74	454
24	-	305.8	2.67	533
25	-	331.8	2.90	579
26	1	358.9	3.13	626
28	1-1/8	416.2	3.63	726
			f - Fill Factor	k - Spinning Loss Factor
			0.661	0.816

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







⚠ Never use with swivel

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





Applications



KEY

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

HDHP 6 wire rope properties

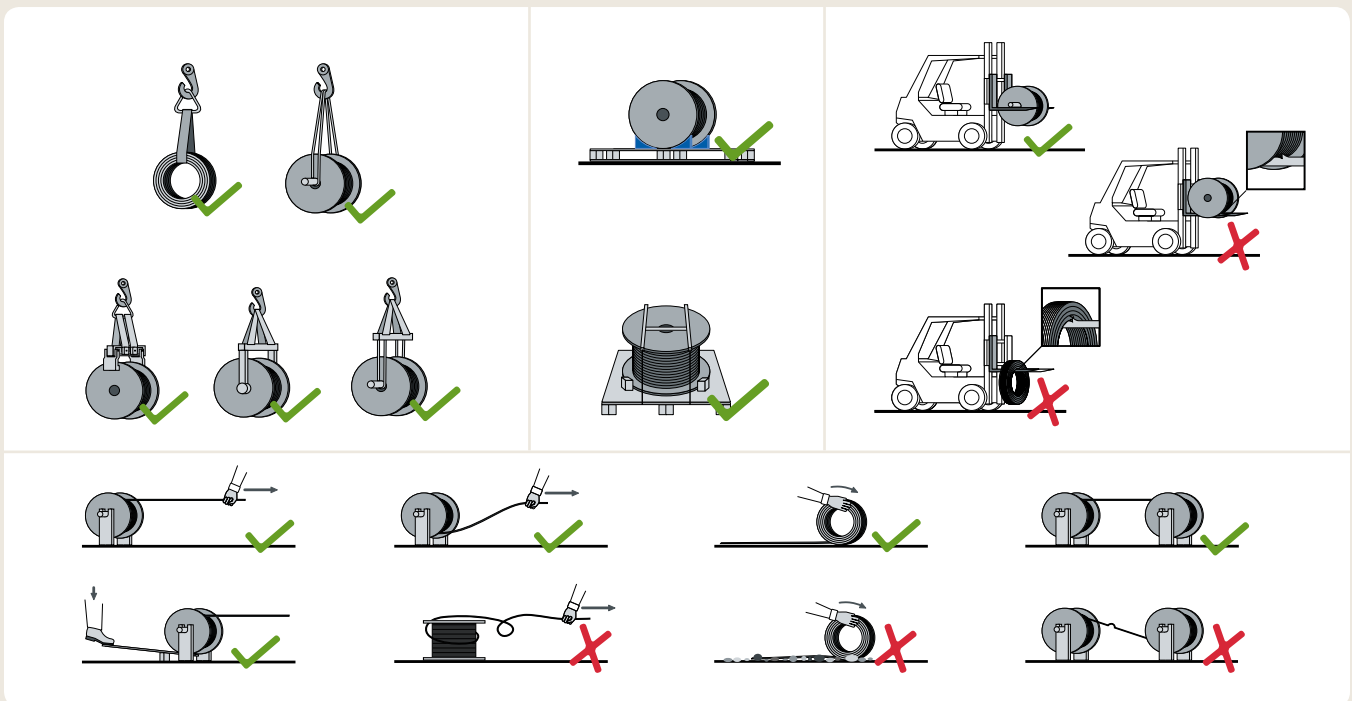
 <p>Lubrication</p>	 <p>Compaction</p>	 <p>Resistance to Crushing</p>	 <p>Regular Lay Rope</p>
<p>Extends the life and increases rope performance.</p>	<p>Smoother outer surface with increased strength and reduced wear.</p>	<p>Ropes designed to withstand or resist external forces.</p>	<p>Less core sensitivity with a non-rotational property.</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. It is divided into three main sections:

- Top Left:** Shows two correct methods for lifting a reel of rope using slings and hooks, marked with green checkmarks.
- Top Middle:** Shows a reel of rope being moved on a pallet using a forklift, marked with a green checkmark.
- Top Right:** Shows two incorrect methods for moving a reel of rope with a forklift: one where the forklift forks are under the reel, and another where the forklift is pushing the reel. Both are marked with red X's.
- Middle Left:** Shows three correct methods for unspooling a reel of rope using a crane hook and a guide pulley, marked with green checkmarks.
- Middle Middle:** Shows a reel of rope being moved on a pallet using a forklift, marked with a green checkmark.
- Middle Right:** Shows a forklift moving a reel of rope, marked with a red X.
- Bottom Left:** Shows four scenarios of rope being pulled over a pulley or across a surface. The first two are correct (marked with green checkmarks), and the last two are incorrect (marked with red X's).

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



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

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