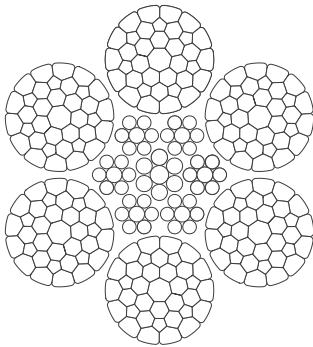


6xK36WS-IWRC / RCN.09

# HDHP 6/6xK36WS

6 outer strands with steel core

**HDHP 6/6xK36WS** 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 6/6xK36WS/2018/v1.0

Diameter		Section	Mass	Minimum breaking load
mm	inch	mm <sup>2</sup>	kg/m	kN
				<b>2160 MPa</b>
30	-	472.0	4.12	820
32	1-1/4	537.0	4.69	936
34	1-3/8	599.4	5.23	1037
36	-	671.9	5.86	1163
38	1-1/2	753.9	6.57	1302
40	-	841.1	7.34	1450
42	1-5/8	927.3	8.09	1598
44	1-3/4	1017.7	8.88	1754
46	-	1112.1	9.71	1804
48	1-7/8	1210.9	10.58	1964
50	2	1313.9	11.48	2131
52	-	1412.1	12.33	2266
54	-	1522.8	13.29	2443
56	-	1631.2	14.23	2617
58	-	1742.8	15.20	2796
60	-	1861.6	16.24	2994
62	-	1984.0	17.31	3198

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

 **Never use with swivel**

f - Fill Factor

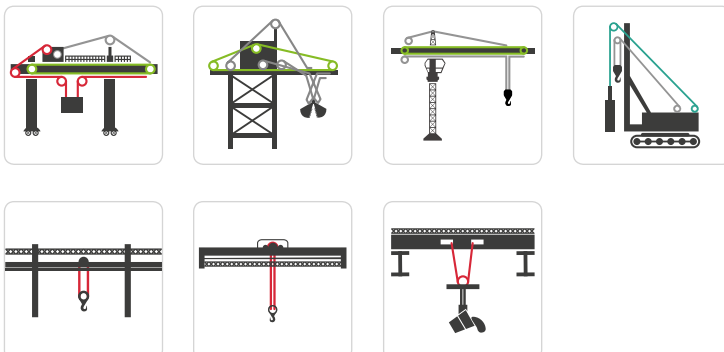
0.665

k - Spinning Loss Factor

0.800

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

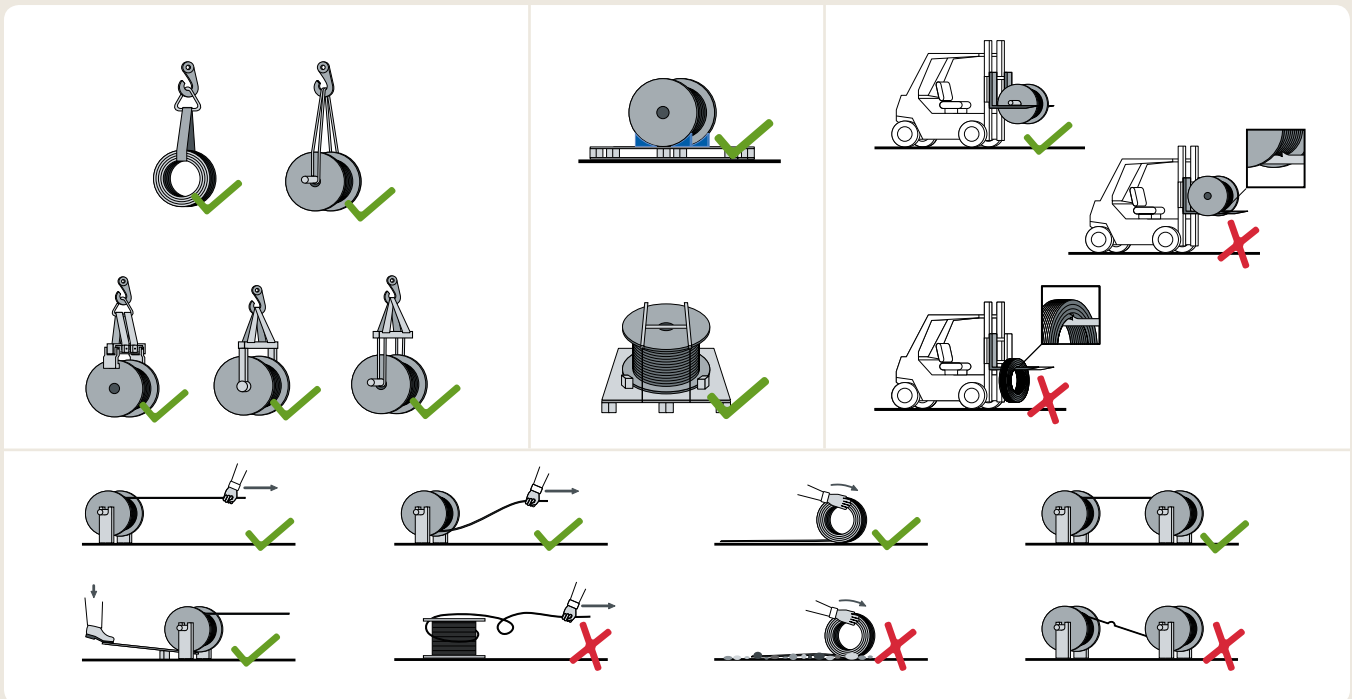
 <p><b>Lubrication</b></p>	 <p><b>Compaction</b></p>	 <p><b>Resistance to Crushing</b></p>	 <p><b>Regular Lay Rope</b></p>
<p>Extends the life and increases rope performance.</p>	<p>Smoother outer surface with increased strength and reduced wear.</p>	<p>Ropes designed to withstand or resist external forces.</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 shows correct practices (marked with green checkmarks) and incorrect practices (marked with red X's). Correct practices include: using proper lifting techniques with hooks, storing reels on pallets, using forklifts to move reels, and using rollers to guide rope during winding. Incorrect practices include: dragging reels on the floor, using forklifts to move reels incorrectly, and allowing rope to rest on the ground or be damaged by sharp edges.

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



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