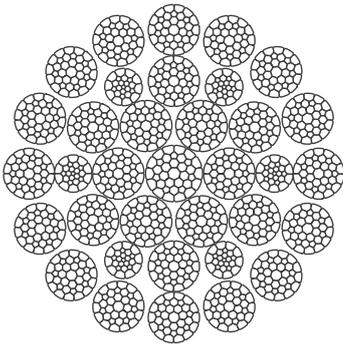


35(W)xK36WS-KWSC

# Notor HP/35(W)xK36WS

Rotation resistant hoist rope for offshore cranes

**Notor HP/35(W)xK36WS** is a rotation resistant hoist rope for high rise applications including tower cranes, mobile cranes, crawler cranes, offshore operating cranes or any high lift hoisting device requiring high rotation resistance.



Notor HP/35(W)xK36WS/2018/v1.0

| Diameter |      | Section         | Mass                   | Minimum breaking load           |
|----------|------|-----------------|------------------------|---------------------------------|
| mm       | inch | mm <sup>2</sup> | kg/m                   | kN                              |
|          |      |                 |                        | <b>2060 MPa</b>                 |
| 93       | -    | 4706.6          | 42.01                  | 8043                            |
| 97       | -    | 5120.2          | 45.70                  | 8750                            |
| 100      | -    | 5441.8          | 48.57                  | 9299                            |
| 102      | -    | 5661.7          | 50.54                  | 9675                            |
| 109      | -    | 6331.4          | 56.81                  | 10800                           |
|          |      |                 | <b>f - Fill Factor</b> | <b>k - Spinning Loss Factor</b> |
|          |      |                 | 0.690                  | 0.870                           |

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

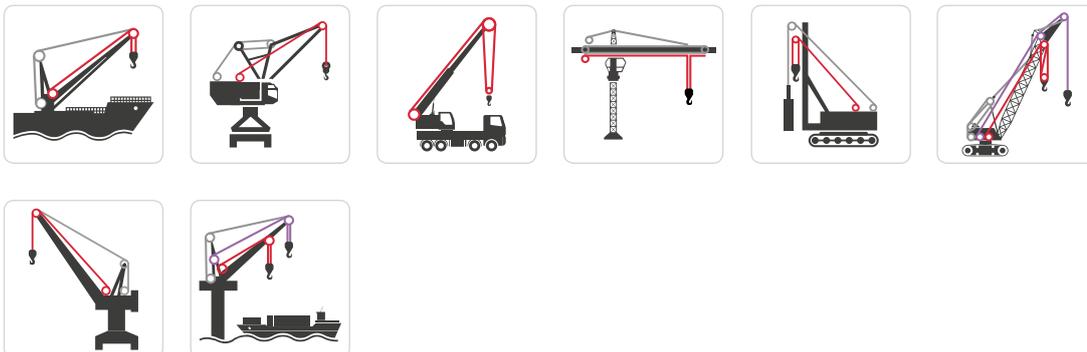
**PLEASE NOTE:** Notor HP is available with plastic impregnation which improves the rope behaviour in case of fleet angles and repetitive lifting cycles, and is recommended for high rise heavy duty and intensive use. Average minimum breaking load is 2% lower.

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

## Features:

- High service life performance
- 16 outer strands over a Warrington steel core
- Bright or galvanised steel wires

## Applications



**KEY**

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

## Notor HP wire rope properties

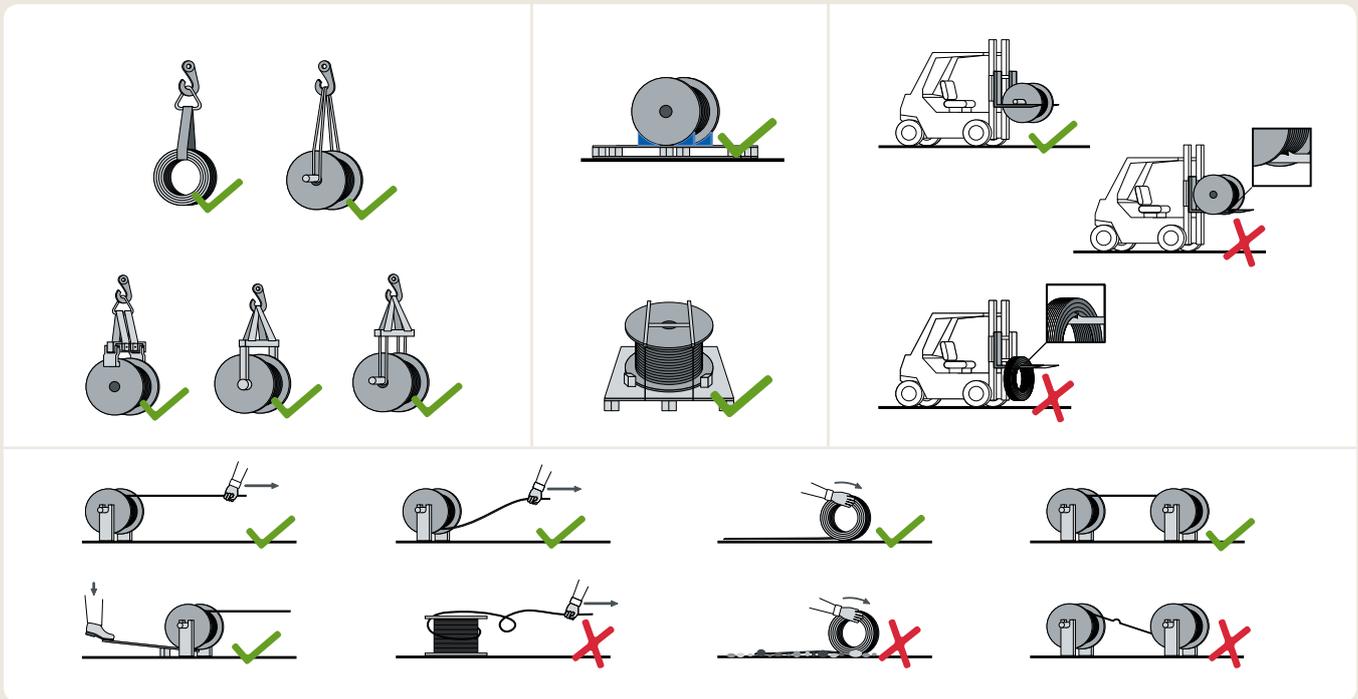
|   |  |  |   |  |  |   |
|---|--|--|---|--|--|---|
|  <p><b>Lubrication</b></p> <p>Extends the life and increases rope performance.</p> |  <p><b>Bending Fatigue Resistance</b></p> <p>Ropes designed to cope with bending repeatedly under stress.</p> |  <p><b>Compaction</b></p> <p>Smoother outer surface with increased strength and reduced wear.</p> |  <p><b>Rotation Resistance</b></p> <p>Resistance to spin and rotation whilst under load.</p> |  <p><b>High Breaking Resistance</b></p> <p>Ropes featuring a high breaking force.</p> |  <p><b>Regular Lay Rope</b></p> <p>Less core sensitivity with a non-rotational property.</p> | <p>OR</p>  <p><b>Lang Lay Rope</b></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



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 Industries



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

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