

Outstanding levels
of **performance**



HOISTING
ROPES



ArcelorMittal ROPES

ENGINEERING EXCELLENCE

Productivity depends on efficiencies

Recognised worldwide for its corrosion resistant products, ArcelorMittal ROPES - part of the ArcelorMittal Group, manufactures some of the most technologically advanced steel ropes in the world.

ArcelorMittal ROPES offers much more than high quality, competitively priced steel wire ropes. Our purpose is to work with our customers to fulfil their technical requirements, quickly, safely and efficiently.

"Our vertically integrated business model enables us to efficiently track and trace the origins of the materials we use, improving quality controls and reducing costs"

Morten Breddam
Business Line Manager, ArcelorMittal ROPES



NEW LEVELS OF PERFORMANCE

Research and development are the cornerstone of sustainable development and innovation. Our worldwide network of over 1400 full time researchers, operating from 13 research centres around the world, enables ArcelorMittal ROPES to push forward the limits of steel wire rope technology.

HIGH ALTITUDE // HIGH PERFORMANCE

Sky37

HOISTING
ROPES 

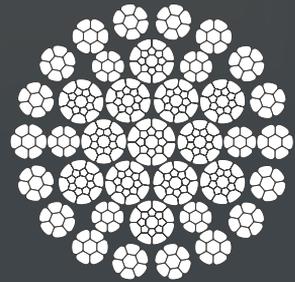


Engineered to meet the increased demand for high altitude, non-rotating hoisting applications, ArcelorMittal ROPES has developed Sky37 – the high altitude, high performance, rotation resistant rope with additional outer strands.

Sky37 is designed with 18 outer strands closed in the opposite direction to its steel core.

When Sky37 is under load, the strands of the core are inclined to rotate in one direction while the outer strands are inclined to rotate in the opposite direction.

The opposing forces of Sky37's inner steel core and its 18 outer strands make it one of the most balanced, non-rotating ropes on the market, delivering superior levels of stability and operational safety at high altitude.



PROPERTIES:

- High Breaking Load
- Crush Resistant
- Abrasion Resistant
- Bending Fatigue Resistant
- Superior non-rotating characteristics
- High flexibility
- Textile strands in core valleys
- Excellent deforming resistance
- Excellent life time.

DESCRIPTION:

- Diameters: 12 to 66mm (other diameters can be manufactured on request)
- Wire classes: 1960 and 2160 MPa
- For details of MBL please contact lifting.ropes@arcelormittal.com

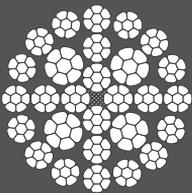
Our **Hoisting Ropes** are engineered to maximise operational performance and enhance productivity.

Notor HP

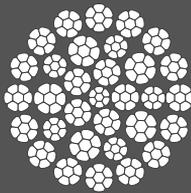
Rotation resistant hoist rope



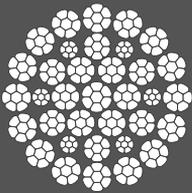
A rotation resistant hoist rope for high rise applications including tower cranes, mobile cranes, crawler cranes, offshore operating cranes or any high lift hoisting device requiring high rotation resistance.



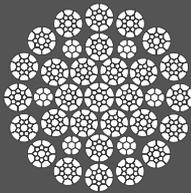
28(W)xK7
MBL/89.1 > 286.1



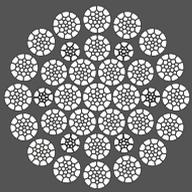
32(W)xK7
MBL/286 > 662.7



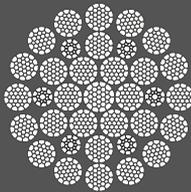
35(W)xK7
MBL/698 > 2236



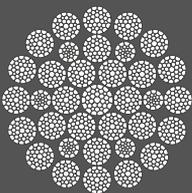
35(W)xK17S
MBL/2402 > 4100



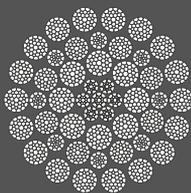
35(W)xK26WS
MBL/4352 > 4879



35(W)xK31WS
MBL/5046 > 7196



35(W)xK36WS
MBL/8043 > 10800



49(W)xK36WS
MBL/11607 > 14204

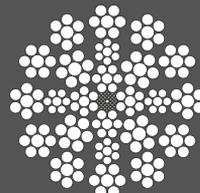
NRHD 24 / NRHD 24 C

Rotation resistant hoist rope

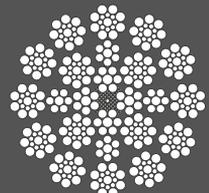


NRHD 24 is a rotation resistant rope for a broad spectrum of applications including tower cranes, mobile cranes, crawler cranes, high lift hoisting devices and deck cargo cranes. Excellent performance on multiple layer coiling winches along with a high resistance to bending fatigue.

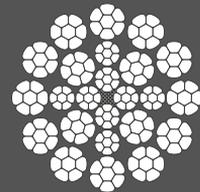
The NRHD 24 C is a rotation resistant, compacted hoisting rope for a broad spectrum of uses including tower cranes, mobile cranes, crawler cranes, high lift hoisting devices and deck cargo cranes.



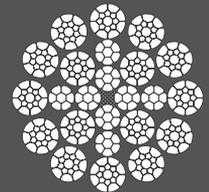
24(W)x7
MBL/56 > 310



24(W)x17
MBL/335 > 5652



24(W)xK7
MBL/56 > 423



24(W)xK17
MBL/507 > 1650

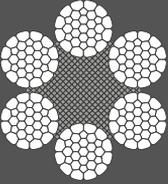
PLEASE NOTE: NRHD 24 and Notor HP are available with plastic impregnation which improves the rope behaviour in case of fleet angles and repetitive lifting cycles, and is recommended for high rise heavy duty and intensive use. Average minimum breaking load is 2% lower.

HDHP 6

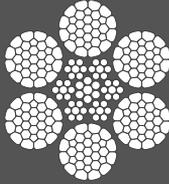
6 outer strands,
steel or
fibre core



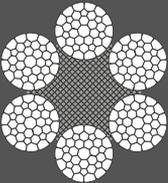
A light use, regular or lang lay rope with 6 outer strands over a steel or fibre core. HDHP 6 can be used for applications such as pendant ropes, electric hoists, cranes, trolley ropes and drilling.



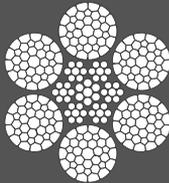
6xK31WS
MBL/87.5 > 680



6xK31WS
MBL/91 > 726



6xK36WS
MBL/883 > 1502



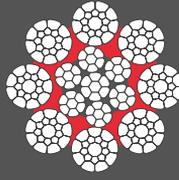
6xK36WS
MBL/820 > 3198

HP8P

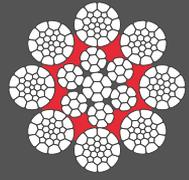
8 outer
strands, plastic
impregnation



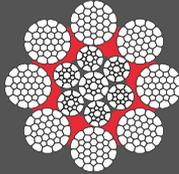
Ideal for travelling and overhead cranes for steel or paper mill cranes, casting cranes, harbour container cranes, mineral gantry cranes, boom hoists and electric hoists.



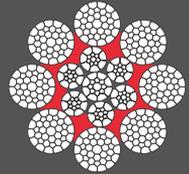
8xK19S
MBL/41.8 > 233.4



8xK26WS
MBL/231 > 962



8xK31WS
MBL/1030 > 2978



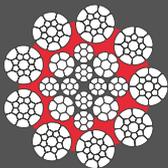
8xK36WS
MBL/3192 > 3746

Complast 9

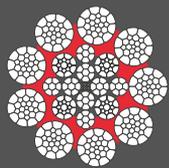
9 outer compacted
strands, plastic
impregnation



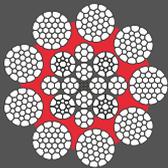
A high-performance rope with compacted strands and plastic impregnation for all heavy duty hoisting applications.



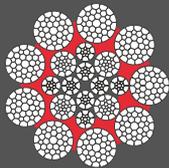
9xK17S
MBL/219 > 336



9xK26WS
MBL/346 > 926



9xK31WS
MBL/1015 > 2272



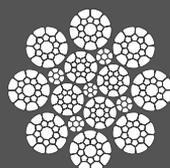
9xK36WS
MBL/2343 > 3721

Integral 8

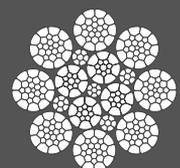
8 outer strands
parallel closed
rope



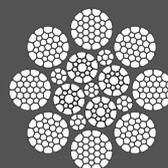
A parallel closed rope with 8 outer strands for applications where a very high breaking strength is required.



8xK19S
MBL/43 > 238.6



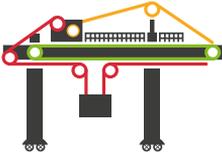
8xK26WS
MBL/273 > 856



8xK31WS
MBL/942 > 2710

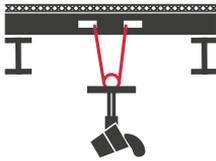
Select the high performance **Hoisting Ropes** that are right for your application.

Container Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist	●	●	●				
Trolley	●	●	●				
Main Hoist		●	●	●			

Steel / Paper Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist	●	●	●				
Intensive Hoist		●	●				

Overhead Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
High Rise Hoist					✗	✗	
Hoist	●	●	●		✗		

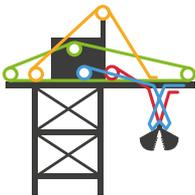
Plastic Impregnated only

Gantry Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist	●	●	●				

Mineral Crane



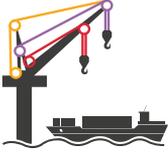
Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist		●	●				
Trolley	●	●					
Boom Luffing		●	●	●			
Grab		●	●				

Deck Cargo Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●
Boom Luffing		●	●	●			

Offshore Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●
Boom Luffing		●	●	●			
Auxiliary Hoist					●	●	

Mobile Crane



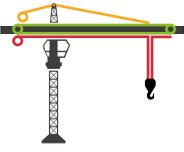
Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●

Lattice Boom / Crawler Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●
Boom Luffing		●	●	●			
Auxiliary Hoist					●	●	

Tower / Tower Luffing Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●
Trolley	●	●	●				
Boom Luffing		●	●	●			

Harbour Crane



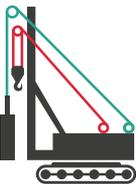
Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●
Boom Luffing		●	●	●			

Boom Luffing Crane



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	●
Boom Luffing		●	●	●			

Drilling / Piling



Rope Application	HDHP6	HP8P	Complast 9	Integral 8	NRHD 24 NRHD 24 C	Notor HP	Sky37
Main Hoist (non rot.)					●	●	
Pipe Handling	●	●					

Two of our many success stories

Sagrada Família, Barcelona, Spain

The Basílica i Temple Expiatori de la Sagrada Família is the renowned unfinished Roman Catholic Church in Barcelona, designed by Catalan architect Antoni Gaudí.

Manitowoc MD560B cranes, used in the ongoing construction of the church, were equipped with NRHD24 Ø20mm.



Rotterdam Port

Rotterdam, the largest port in Europe, is home to container cranes fitted with ArcelorMittal HP8P ropes.

Operating 24/7 in a fast paced and demanding environment, the container cranes at Rotterdam must perform consistently efficiently and safely.

A customised HP8P has been especially designed to supply cranes that are in constant use and operating in an extremely demanding and corrosive environment.



ArcelorMittal **ROPES**

ENGINEERING EXCELLENCE

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