



HEAVY DUTY ROLLERS

For conditions that never let up



ULMA CONVEYOR COMPONENTS

HEAVY DUTY ROLLERS

STEEL rollers

Robust
Durable
Versatile



The solution that has built ULMA's reputation in Heavy Duty applications.

COMPOSITE rollers

Ultra-lightweight
Extra durable
Quieter



The performance of CEMA E and F steel rollers, with less weight, less noise, and less wear.

RELIABILITY
STARTS WITH
HOW IT'S BUILT

**Technical keys to
durability**



WE ARE WHERE DURABILITY MAKES
THE DIFFERENCE

While they rotate, all rollers may look the same. But they are not.

The reliability of the roller determines how long the conveyor can keep running without surprises.



Lignite

Belt speed: 7.5 m/s
Effective tonnage: 12,350 t/h
419,112,564 t over a 4-year service life
Operational availability: 96.8%



Copper

Underground mine

ULMA has multiplied roller service life by eight in an extreme environment with fine abrasive dust.



SEALING SYSTEM

Four barriers combine labyrinth geometries, contact elements, and lubricated chambers to prevent water, dust, and other contaminant particles from reaching the bearings.

Its design protects the system without oversizing the assembly, keeping bearing depth reduced.

BEARING DEPTH

We reduce the distance between the bearing and the roller support point to shorten the overhanging section of the shaft. This increases stiffness and admissible load, while reducing noise, vibration, and micro-impacts on the bearing.

STRUCTURAL AND MANUFACTURING PRECISION

The bearing housing, the coaxiality of the bearing housings, weld control, and the roundness, thickness, and machining of the tube help maintain the geometry and alignment of the assembly under load.

MORE STABILITY, FEWER VIBRATIONS: GREATER STRUCTURAL RESISTANCE.

RELIABILITY STARTS WITH UNDERSTANDING THE INSTALLATION

We analyze the conditions of each installation to define the materials, geometries, and configurations that best respond to its load, speed, environment, and maintenance strategy.



Nickel

Temperatures down to -50 °C

After 30 days of inactivity, the rollers start rotating again without any problem.



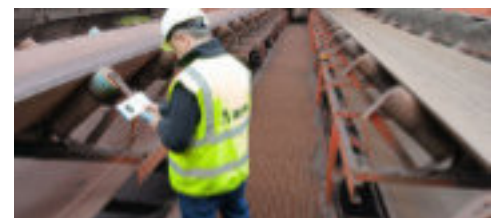
Oil Sands



Copper



Coal



Iron port unloading



Reliability in Motion

More than 65 years of industrial experience, now driven by Industry 4.0 technology.



ULMA CONVEYOR COMPONENTS *worldwide*

■ ULMA CONVEYOR COMPONENTS
■ SALES NETWORK

HEADQUARTERS

■ SPAIN
| info@ulmaconveyor.com

SUBSIDIARIES

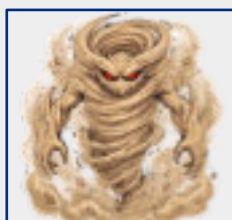
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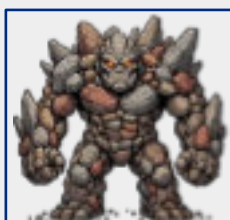
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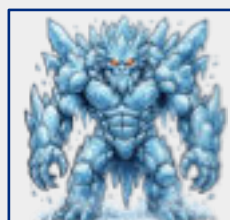
What conditions does your conveyor operate in?



Fine abrasive dust



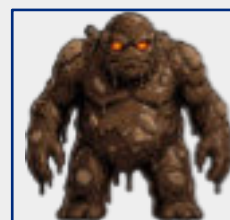
Loads and impacts



Extreme cold



Moisture



Sticky material

Tell us, and we will help find the solution that best responds to your operation.
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