MOTORIZED PULLEYS

The Motorized Pulley is probably one of the safest drives available because the motor is completely enclosed and the external shafts are stationary.

Motorized Pulleys are available from Ø 138 mm to Ø 1000 mm, with a variety of lagging options to provide a durable drive with a long service-life. Totally enclosed: motor, gearbox and bearings are totally enclosed and sealed inside a steel shell. Motorized Pulleys have a safe and worry-free design that withstands the harshest conditions and reduces operating costs.

Motorized Pulleys and Techno polymer rollers, with rubber rings for impact and return stations. The rollers produced by Rulmeca are developed and produced to meet the most demanding challenges of all major bulk handling applications. The close partnership with our customers, OEMs, engineering companies and end users confirms us as one of the most trusted brands in the industry.

Today’s movement of goods and bulk materials requires state of the art products. Since its foundation in 1962, Rulmeca, headquartered in Bergamo (Italy), has grown to become one of the world’s leading manufacturers of conveyor rollers/idlers, motorized pulleys, fabricated pulleys and other components for the bulk-handling industry. 1,200 employees in seventeen production and sales companies around the globe serve clients in 85 countries. Today, Rulmeca Group’s global business encompasses the product brands Rulmeca, Precismeca and Melco. All three of them specialize in the supply of leading premium belt conveyor components. Rulmeca Group products are designed and manufactured according to the Explosion ATEX directive. Group II category 3D (for Dust) zone 22.

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ROLLERS/IDLERS AND COMPONENTS
FOR BULK HANDLING APPLICATIONS

**PSV SERIES**
Suitable for all bulk handling applications.
- Shaft diameter range: from 20 to 50 mm
- Tube diameter range: from 63 to 219 mm

**MPS SERIES**
For light duty conveyors at high/medium speed.
- Shaft diameter: 15 mm
- Tube diameter range: from 50 to 102 mm

**PL-PLF SERIES**
For light duty conveyors in severe corrosive environments.
- Shaft diameter: 20 mm
- Tube diameters: from 80 to 140 mm

**TOP SERIES**
For light/medium duty conveyors in abrasive and corrosive environments.
- Shaft diameters: 20 to 25 mm
- Tube diameter range: from 80 to 133 mm

**SUPREME SERIES**
HDPE rollers with steel inner tube, for medium/heavy duty applications.
- Shaft diameters range: to 25 to 40 mm
- Tube diameter range: from 102 to 178 mm

**DSK SERIES**
For very heavy duty belt conveyors.
- Shaft diameters: from 50 to 90 mm
- Tube diameters: from 133 to 219 mm

**BTR SERIES**
Rulmeca belt tracking roller, solves severe misalignment problems without modification of the conveyor structure.
- Belt width range: from 450 to 2300 mm

**IMPACT ROLLERS**
With rubber rings and steel core, these rollers are designed to absorb the stress given by the impact of the material drop.

**RETURN ROLLERS**
Return rollers contribute to eliminating the build-up of material, particularly present in the belt centre.

**GUIDE ROLLERS**
Guide rollers are composed of a base roller and are vertically mounted in pairs at the edges; their function is to limit the side-slip of the belt.

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Application must be evaluated taking into consideration application loads and environmental conditions. Let Rulmeca assist you with selecting the correct products.

**BECAUSE PARTNERSHIP MATTERS**

Rollers, stations and garlands certified according to ATEX 94/9/EC norms,
- Explosion Group I category M2 for Mines
- Explosion Group II category 2G for gas and 2D for dust
- Explosion Group II category 3G for gas and 3D for dust

(Zones 1, 2 for gas, Zones 21, 22 for dust).

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