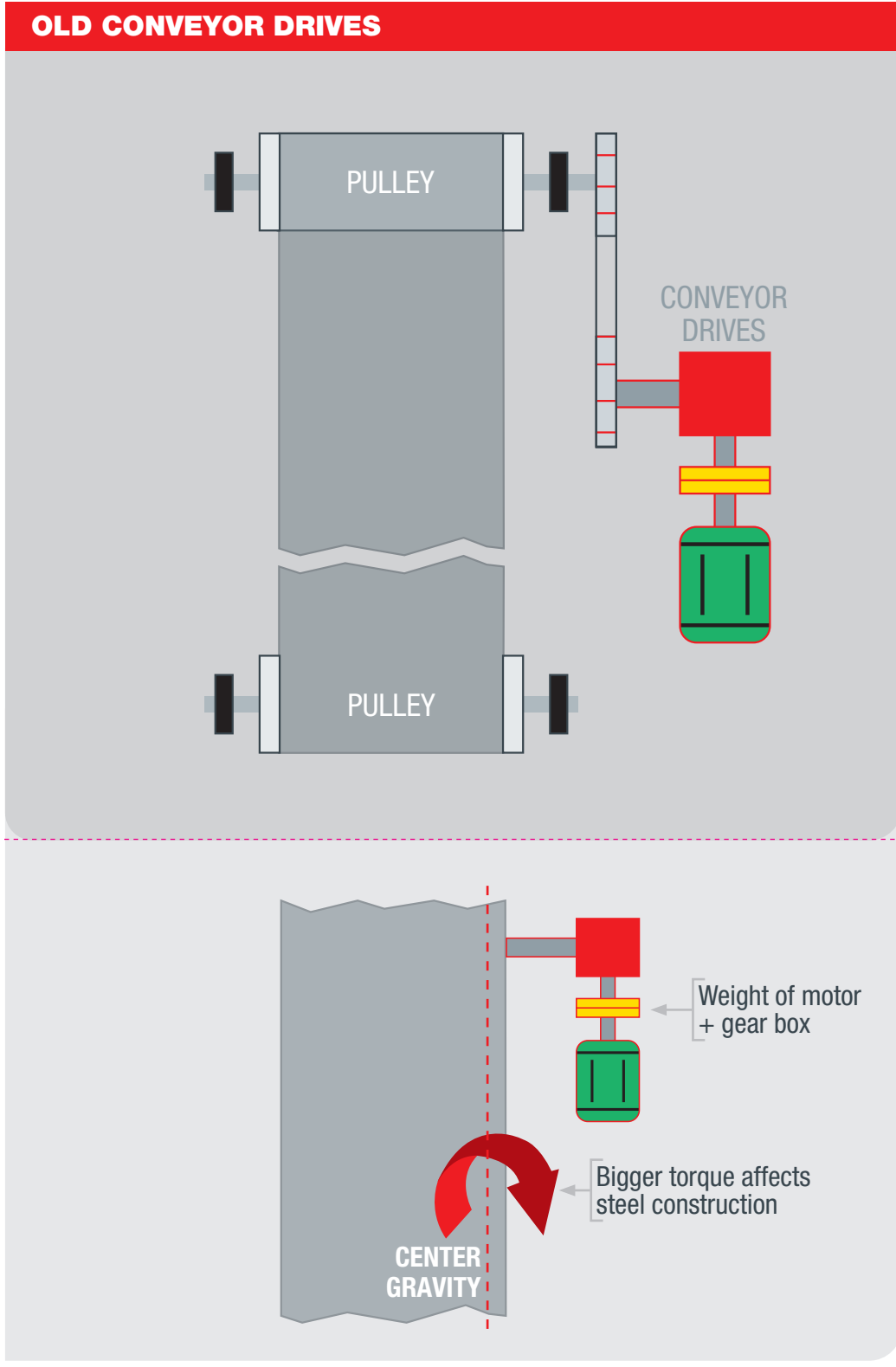
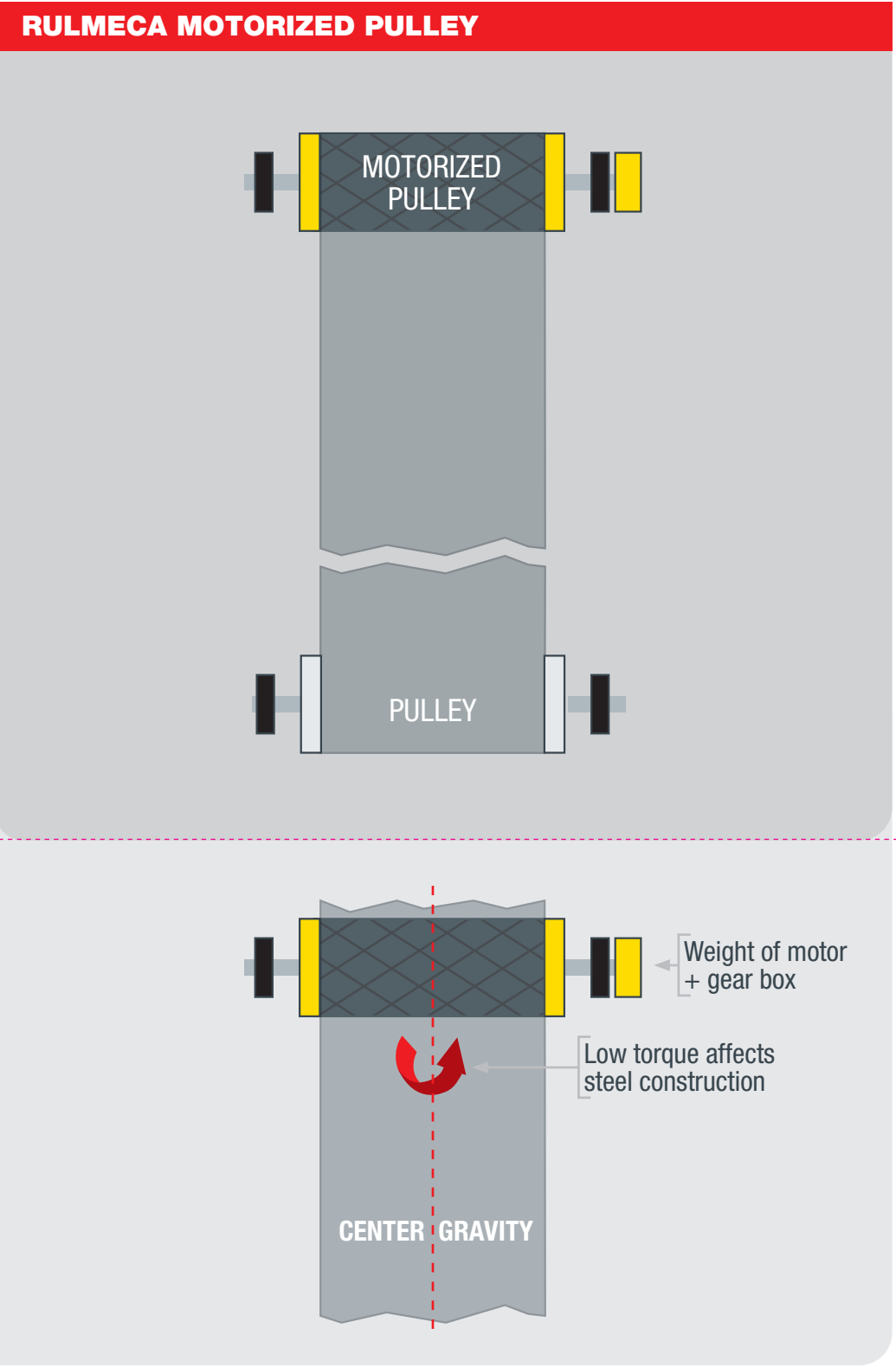


OLD CONVEYOR DRIVES VS RULMECA MOTORIZED PULLEY: EFFICIENCY AND SAFETY SIMPLIFIED

Old belt conveyors have a pulley driven by an external motor and gearbox, which are mounted on a platform next to the conveyor frame. These external components require frequent maintenance and pose safety hazards. The Rulmecca Motorized Pulley, on the other hand, eliminates the need for external motors

and gearboxes. It is mounted directly on the conveyor frame and encloses all drive components within the drum, enhancing safety and reducing maintenance. The Rulmecca Motorized Pulley also offers high mechanical efficiency compared to old drives.



OPTIMIZE YOUR CONVEYOR SYSTEM WITH MOTORIZED PULLEYS: SUPERIOR POSITIONING AND PERFORMANCE

The image clearly illustrates the advantages of using motorized pulleys over external motors in conveyor belt systems

Motorized Pulleys have a center of gravity that is close to the center of the conveyor belt compared to external motors. This simplifies the steel construction of the conveyor system, reducing costs and improving system stability. Additionally, they generate less torque in the steel construction than external motors, resulting in less stress on load-bearing elements, extending equipment life.

Motorized Pulleys do not have external rotating components that require maintenance. All drive components, including the electric motor, gear reducer,

and bearings, are enclosed within the pulley. This design enhances worker safety and significantly reduces maintenance costs. With the electric motor inside the pulley and coupled in-line with the gear reducer, Motorized Pulleys offer high mechanical efficiency compared to old conveyor systems with external motors.

IN SUMMARY, USING MOTORIZED PULLEYS PROVIDES AN EFFICIENT, SAFER, AND COST-EFFECTIVE SOLUTION COMPARED TO EXTERNAL MOTORS, IMPROVING OVERALL CONVEYOR SYSTEM PERFORMANCE AND REDUCING OPERATIONAL AND MAINTENANCE COSTS.

GLOBAL PRESENCE AND LOCAL SERVICE



- Manufacturing, Sales, Service
- Sales, Service
- Distributors

Australia
Canada
China
Denmark
Finland
France
Germany
India
Indonesia

Italy
Poland
South Africa
Spain / Portugal
Sweden
Thailand
United Kingdom
USA

ABOUT RULMECA

Founded in 1962, the Rulmecca Group has grown to be a leading partner to the global materials handling industry. Rulmecca Group is one of the world's largest suppliers of rollers, idlers, pulleys and motorized pulleys for heavy duty belt conveyors for quarries and mining applications and of Rollers, Drum Motors and 24V Drive Rollers for Intralogistics.



Group Headquarters: Rulmecca Holding S.p.A.
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Tel +39 035 4300 111 - export-it@rulmecca.com

rulmecca.com



MOTORIZED PULLEYS FOR BELT CONVEYORS BULK HANDLING



MOTORIZED PULLEYS

SOLUTIONS FOR ANY INDUSTRY



MINING, COAL
AND LIGNITE



STEEL AND POWER
PLANTS



RECYCLING, CRUSHING
AND SCREENING



SALT AND SUGAR
PLANTS



PORTS, IMPORT
AND EXPORT TERMINALS



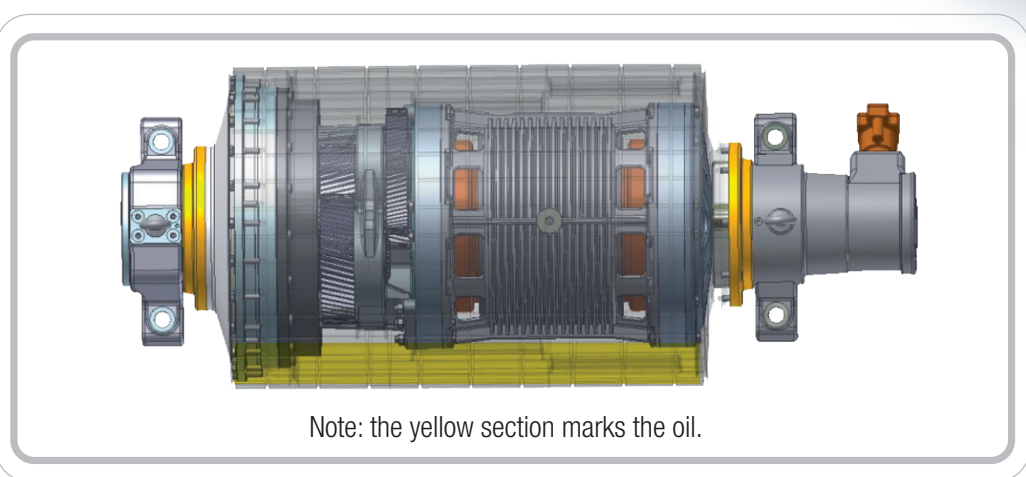
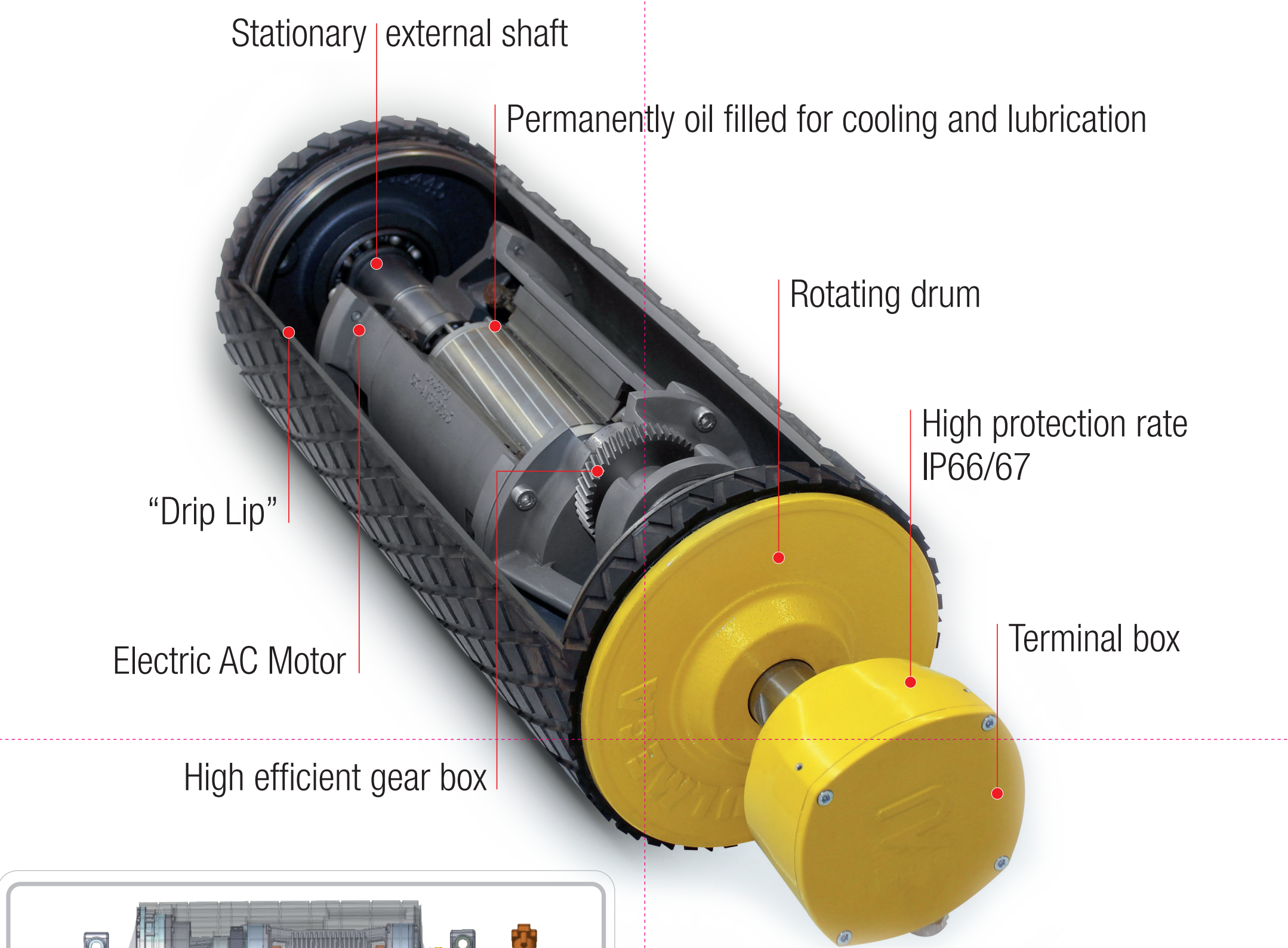
CEMENT, QUARRIES
AND TUNNELLING

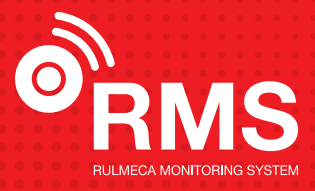
DISCOVER THE POWER AND EFFICIENCY OF RULMECA MOTORIZED PULLEYS!

Since 1953, Rulmecca Motorized Pulleys have been specifically designed for conveyor belt applications. The goal was simple: to create a compact, hermetically sealed, and highly efficient conveyor drive unit that could withstand dust, water, oil, grease, and other harmful substances. A motorized pulley that is quick and easy to install and requires virtually no maintenance.

Today, Rulmecca Motorized Pulleys are recognized as one of the most reliable, effective, and safe conveyor drive systems available worldwide. Rulmecca's Bulk Handling Motorized Pulley product range has been developed for the use on belt conveyors, even in extreme conditions, including corrosive, abrasive and dusty environments.

RULMECA MOTORIZED PULLEY CUT-AWAY VIEW





RMS
RULMECA MONITORING SYSTEM

Stay ahead with the ability to make timely decisions!
Revolutionary **Rulmeca Monitoring System (RMS)** for conveyor components available for Rulmeca Motorized Pulleys MP500, MP630, MP800 and MP1000.
More info: rulmeca.com

Model MP	Diameter (mm)	Power (kW)*	Belt speed (m/s) (at 50Hz)*	Min. Shell length (mm)**	Max radial load (T1+T2 / N)***	
138LS	138	0,10-1,00	0,04-1,60	400	4.740	* Power speed combination is depending on application. Please contact Rulmeca for more details.
165LS	165	0,11-1,50	0,05-2,50	400	9.330	
220M	220	0,37-4,00	0,13-2,50	400	11.500	
220H	220	0,37-5,50	0,13-2,50	450	25.000	** Minimum shell length depend on power-speed-combination. Please contact Rulmeca for more details.
320M	320	0,75-11,00	0,16-2,50	500	20.000	
320H	320	0,75-11,00	0,16-1,60	550	35.000	
400M	400	2,20-18,50	0,32-3,15	650	40.500	*** The radial forces (T1+T2) may vary depending on the application. Please contact Rulmeca for more details.
400H	400	2,20-18,50	0,16-1,60	700	50.000	
500H	500	5,50-30,00	0,50-4,00	750	46.000	
630M	630	5,50-22,00	0,63-3,15	750	46.000	
630H	630	22,00-55,00	1,00-4,00	950	98.100	
800M	800	22,00-55,00	1,25-4,00	950	98.100	
800H	800	55,00-132,00	1,60-4,50	1150	180.000	
800HD	800	55,00-132,00	1,00-3,15	1300(1550)	180.000	
1000H	1000	160-250	3,00-9,50	1250	300.000	
1000HD	1000	160-250	1,60-4,00	1400	300.000	

1

SAY GOODBYE TO CORROSION AND HIGH MAINTENANCE COSTS!
In the harsh environment of salt mining, equipment corrosion can lead to expensive maintenance and frequent replacements. But with Rulmeca Motorized Pulleys, those challenges are a thing of the past. Thanks to their hermetic seals and self-lubrication, these pulleys are a game-changer.

2

PROTECT YOUR EQUIPMENT FROM ABRASION
Taconite ore's abrasive effects can wreak havoc on exposed motors, gearboxes, couplings, and pillow block bearings, leading to costly repairs and replacements. But with Rulmeca Motorized Pulleys, you can protect your equipment from these harsh conditions.

3

TRUSTED BY EQUIPMENT MANUFACTURERS AND CONVEYOR OPERATORS
Rulmeca is a reliable source for high-quality Motorized Pulleys and outstanding aftermarket service.

SUPPORT & LOCAL ASSEMBLY

With a dedicated team, advanced in-house capabilities, and a large inventory of parts, Rulmeca provides comprehensive engineering support and local assembly of various Motorized Pulley models, powers, and sizes. Our skilled technicians offer complete aftermarket services, including oil, seal, and gasket replacements, motor diagnostics, drivetrain overhauls, and pulley shell relagging. All services are backed by the Rulmeca product warranty, ensuring reliability and peace of mind. Additionally, Rulmeca ensures quick shipping on selected Motorized Pulleys from our espanse facility.

BENEFITS

IMPROVES CONVEYOR RELIABILITY

SAVES SPACE

INCREASES EFFICIENCY

LOWERS MAINTENANCE EXPENSE

MAKES INSTALLATION EASIER

LOW NOISE

FEATURES

COMPACT & LIGHTWEIGHT

INTERNALLY-POWERED

HERMETICALLY SEALED

SELF-LUBRICATING


FIXED SHAFT (NO EXTERNAL BEARINGS)

INTERNAL THERMAL PROTECTION

VFD COMPATIBLE


EASY-TO-MOUNT BRACKETS

MOTORIZED PULLEY LAGGING OPTIONS



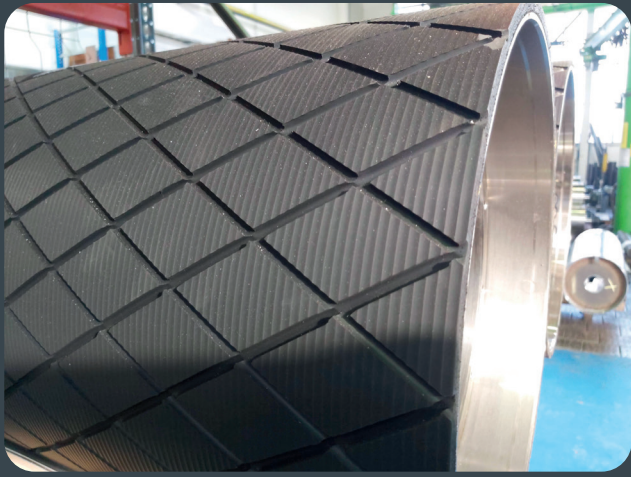
FULL OR PARTIAL DIAMOND PATTERN RUBBER

This durable lagging offers excellent friction in both wet and dry conditions, suitable for various applications. It is available in different types and can be hot vulcanized.



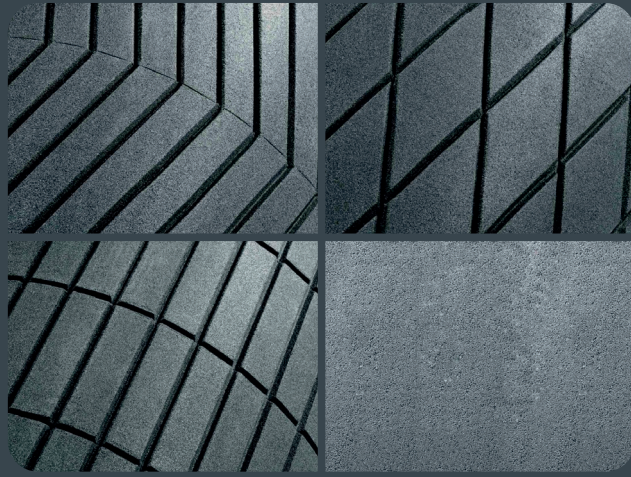
CERAMIC SEGMENTS EMBEDDED IN RUBBER

Ceramic plates embedded in rubber are ideal for handling high wet silt content or hard materials. They prevent friction loss and protect against crushing, though they have less efficient heat transfer compared to solid ceramic.



DIAMOND LAGGING HOT VULCANIZED AVAILABLE

Conveyor diamond lagging rubber sheets are used to eliminate belt slippage, increase shell lifetime and boost productivity.



CERAMIC SOLID

Solid ceramic lagging, available in diamond and rectangular patterns, offers excellent heat transfer, high friction, and superior wear resistance. It can be used on the full pulley face regardless of model, power, face width, and belt speed. Easy to repair while Motorized pulley is mounted.

For further details and to discuss your specific requirements, please contact Rulmeca or visit our website: rulmeca.com