DRIVE ROLLERS

RDR-BL3

RDR-2MS

* only for BL3

Rulmeca 24VDC Drive Rollers (RDR) are designed to play a key role in industrial applications in which roller transportation is an important part of the production process. Drive Roller is a motor integrated Ø 50 mm roller for unit handling conveyors able to transmit motion to the adjacent rollers by belts.
Thanks to the wide possible configurations and selected finishing, this product is easily placed into a large variety of unit handling applications.
The RDR (Rulmeca Drive Rollers), can be connected to slave driven rollers by round belts, Poly V belts, chains or can be executed crowned to drive light belts.

IDEAL IN APPLICATIONS:

- WIDE RANGE SPEEDS SET
- BRUSHLESS MOTOR TECHNOLOGY WITH CONSTANT TORQUE
- HIGH EFFICIENCY ENERGY SAVING
- LOW LEVELS OF SYSTEM NOISE
- FREQUENT START/STOP CYCLES
- SAFETY FOR LINE OPERATORS

RDR-BL3

RDR-2MS

GLOBAL PRESENCE AND LOCAL SERVICE

● Manufacturing, Sales, Service
● Sales, Service

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 Rulmeca Group has grown to be a leading partner to the global materials handling industry. Rulmeca 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.

RULMECA®
MOVING AHEAD

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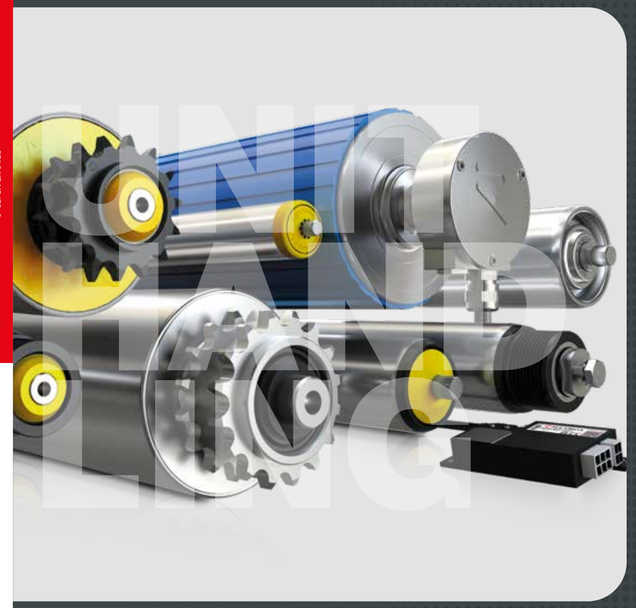
9° ed. UN EN 04/25



UNIT HANDLING
ROLLERS, DRUM MOTORS
24V DRIVE ROLLERS
AND COMPONENTS

RULMECA®
MOVING AHEAD

DRUM MOTORS

EASE OF INSTALLATION:

Rulmeca drum motors are much faster and easier to install because they are just one component with all included, instead of the traditional multiple components motor transmission systems.

SPACE-SAVING DESIGN:

With the electrical drive, bearings and gearbox enclosed inside the shell, Rulmeca drum motors are very compact and therefore require less space and reduced footprint. The more centred weight balance increases the conveyor stability and therefore safety.

DESIGNED FOR THE TOUGHEST CONDITIONS:

The Rulmeca drum motors are designed to operate perfectly even in the most aggressive environmental conditions, such as in presence of water, dust, grit, chemicals, grease, oil and even during high pressure wash-down procedures.

IP69K ECOLAB

GUARANTEED FOR FOOD:

Thanks to their flat smooth surfaces, food compliant polymers, stainless steel finish and totally enclosed, hermetically sealed design, Rulmeca drum motors are easy to clean, thus reducing contamination risk in food processing environments.

EHEDG COMPANY MEMBER 2018 NSF

MAINTENANCE-FREE:

The fully sealed design ensures that internal parts are not exposed to external environmental conditions or tampering. A completely self-contained unit, requiring no maintenance throughout its service lifetime.

A Rulmeca Drum Motor is the ideal method of driving conveyor belts. A totally anclosed unit, with the motor, gearbox and all working parts hermetically sealed within the outer shell.

STANDARD DRUM MOTOR RANGE

		80LP	113LP	138LP	80LS	113LS	138LS	165LS	220M	220H
Diameter [mm]		85.5	113.6	135	81.5	113.5	138.5	165	216	216
Power [kW]	from	0.06	0.06	0.06	0.02	0.035	0.1	0.11	0.37	0.37
	to	0.12	0.55	0.55	0.12	0.55	1.00	2.20	4.00	5.50
Roller Length RL [mm]	from	253	240	275	200	250	300	350	400	450
	to	912	1212	1212	1000	1200	1800	1800	2000	2000

UNIT HANDLING

SOLUTIONS FOR ANY INDUSTRY

- AIRPORT, SECURITY AND X-RAY SCREENING
- DISTRIBUTION CENTRES AND WAREHOUSING
- POSTAL, PARCEL AND E-COMMERCE
- FOOD AND FISH PROCESSING
- MANUFACTURING, PACKAGING AND AUTOMATION
- BEVERAGE PROCESSING

Rulmeca Group, headquartered in Bergamo (Almé), Italy, has grown to become the world's leading manufacturer of conveyor rollers, 24V drive rollers and other components for the unit handling industry.
Rulmeca Group products are developed and produced to meet the most demanding challenges of all major unit handling applications. Rulmeca rollers are light, sturdy, self-lubrificated, shock resistent and can be constructed using aluminium, mild steel, stainless steel and high resistance technopolymers.
The close partnership with our customers, OEMs, engineering companies and end users confirms us as one of the most trusted brands in the industry. Rulmeca products improve the performance, safety and reliability of systems, equipment and machines.
Rulmeca is strongly committed to the continuous improvement and development of its product range.
Rulmeca Group offers a portfolio of state-of-the-art components for a vast array of industries and application handling.
We have the expertise, the experience and the products you need, so contact us.

RULMECA ROLLERS
WIDE RANGE OF PRODUCTS

Rulmeca offers a broad range of conveyor rollers that cover all process for the handling and transport of unit loads.
The use of strict quality control procedures during all stages of manufacture guarantees a product manufactured to give a long service life, even under extremely severe conditions. Our products provide customised solutions to meet all handling needs with gravity and driven conveyors.

ADVANTAGES

RULMECA ROLLERS HAVE DIFFERENT BENEFITS ACCORDING TO SERIES AND MATERIAL

MINIMUM STARTING RESISTANCE

RULMECA rollers run very smoothly and allow the handling of very light packages with a minimum slope.

MAXIMUM SHOCK RESISTANCE

RULMECA rollers are highly shock resistant, maintaining roller concentricity.

SAFETY OF HANDLED MATERIALS

Delicate materials can be safely handled without being damaged by scratches.

EASY CLEANING

RULMECA rollers can be easily cleaned with any detergent in use and can be water sprayed.

LIGHTNESS

Reduces considerably the weight of the handling system.

NOISE REDUCTION

Silent use in internal applications.

ATMOSPHERIC FACTORS RESISTANCE

Can be exposed to all atmospheric factors including frost, ultraviolet rays.

CORROSION RESISTANCE

Plastic materials do not RUST! Rollers can be equipped with ball bearings and shafts in stainless steel.

CHEMICAL AGENTS RESISTANCE

RULMECA rollers with stainless steel components are highly resistant to chemical agents.

ROLLER SIZE GUIDE

	SHAFT Ø / TUBE	16	18	20	24	30	32	38	40	50	51	60	63	76	80	89	102	108	133	159	194
GL	6		•																		
	8				•	•			•	•											
	10						•			•		•		•							
	12						•			•		•		•							
	ch11									•		•		•							
111	5	•																			
	6			•		•															
	8					•			•	•											
	10								•	•											
	12									•											
117	8								•	•			•								
	10								•	•		•	•		•						
	12								•	•		•	•		•						
	14									•		•	•		•						
	17									•	•	•									
	ch11								•	•		•	•								
GM	12									•		•		•							
	15									•		•		•							
135	14								•	•		•	•								
138	14								•	•		•	•								
FDN/FDR	15													•		•					
MPS	15							•		•		•		•		•	•				
119	20														•	•					
XPS	20														•	•					
139	20														•	•					
PS	20											•		•		•	•	•	•		
	25															•		•	•	•	
	30															•		•	•	•	
	40																		•	•	•

ROLLER LOAD

	Light load (< 50 daN)	Medium load (50 ÷ 250 daN)	Heavy load (250 ÷ 500 daN)	Very heavy load (500 ÷ 2200 daN)
GL	•	•		
111	•			
117	•	•	•	
GM		•		
135	•	•		
138	•	•		
FDN/FDR		•	•	
MPS			•	
119				•
XPS				•
139				•
PS				•

Application must be evaluated taking into consideration application, loads and environmental conditions.
Shaft and tube ø are shown above, other dimensions are available on request.

ELECTRICAL PALLET ROLLERS

The EPS-AS1 roller is a completely enclosed 400 V electrical drive Ø89 roller, with the gear box, asynchronous electric motor and bearings located inside the drive drum.This drive roller can be installed in conveyors that are part of complex logistic systems and logics. The EPS-AS1 has perfect application in pallet and heavy load handling and it can be connected by chains to slave driven rollers (like XPS or 139 series rollers). An optional integrated 24 VDC electromagnetic stationary brake acts as holding device.

FEATURES:
- Space-saving design;
- Ease of installation;
- All internal components protected against external factors;
- Maintenance-free.

GL-GM SERIES

Idler or gravity rollers handling light and medium loads are completely in zinc-plated steel with prelubricated full complement ball bearings, making them smooth running and quiet.

111 SERIES

Idler or gravity rollers for light loads are in technopolymer, bearing balls in stainless steel, lightweight, quiet, smooth running and consequently reduce gravity conveyor slopes.
Food certified materials on request.

117 SERIES

Made in PVC, zinc plated steel or Aisi 304 tubes, with radial precision bearings, endcaps in technopolymer and are extremely quiet and smooth running.

119 SERIES

With technopolymer end-caps and radial precision bearings and zinc-plated steel tube are ideal for pallet handling.

MPS-PS SERIES

Idler rollers for the handling of medium and heavy loads with radial precision bearings for use in internal, external, dusty, humid or normal environments.

135 SERIES

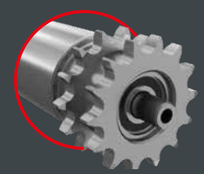
Driven rollers made in zinc-plated mild steel, Aisi 304 or shock resistant PVC tubes. With options of Polyamide and steel pinion sprockets, with Poly-V / round belt head and version 135/VA with fixed head.
Available with 1 crown or 2 crowns.

138 SERIES

Friction rollers for light and medium loads have the same features and options as the 135 series. The pinions are interchangeable and easily replaced by the ones of 135 series.
Available with 1 crown or 2 crowns.

KRF-KRO SERIES

Tapered rollers made by conical sectors in technopolymers are used for gravity curves and driven curves with chain loops, round belt and Poly-V belt.



KRM SERIES

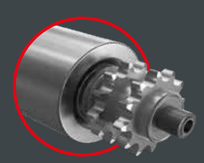
Tapered rollers made completely in steel with zinc-plated shell designed for driven curves trasporting heavy loads, including pallets.

XPS SERIES

Driven rollers with steel pinion sprockets welded on the tube for chain driven conveyors.
They have perfect application in pallet and heavy load handling.

139 SERIES

Driven rollers similar to the 119 series but with steel pinion welded to the tube. They have perfect application in pallet and heavy load handling.



FDN-FDR SERIES

Friction and adjustable friction rollers, complete steel construction used for heavy load handling and accumulation.

PINION OR CROWN SPROCKET

Driven rollers with pinion or crown sprockets welded on the tube for chain driven conveyors.

COMPONENTS

Rulmeca product range includes polymeric and steel wheels for material handling industry, as well as omnidirectional wheels and ball transfer units. Products used worldwide, as single components or pre-assembled in special zinc-plated profiles: Minirail, Medirail and Heavyrail.