



2^a ed. RDR-2MS EN 04/25




RULMECA®
 MOVING AHEAD

Group Headquarters: Rulmeca Holding S.p.A.
 Via A. Toscanini, 1 - I-24011 Almè (Bergamo) Italy
 Tel +39 035 4300 111 - rulmeca@rulmeca.com

rulmeca.com



RDR-2MS SERIES
 RULMECA GEARLESS
 DRIVE ROLLER - 2,1 M/S


RULMECA®
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THE RULMECA RDR RANGE GROWS WITH THE 2MS VERSION

Presenting the new high-performance RDR-2MS version for Rulmeca's RDR range! This innovative model offers speeds of up to 2 m/s and 1.35 Nm of torque provided with a 48 V DC gearless motor.

The RDR-2MS version is ideal for high-hourly-capacity and high-dynamics applications, where energy efficiency and silent operation are essential. Choose the version RDR-2MS to optimise your operations with the utmost efficiency and reliability.

TECHNICAL DATA

48 Vdc gearless motor	Inrush current 11 A
Nominal torque 1.35 Nm	Efficiency 0.8
Starting torque 4.5 Nm	Protection level IP54
Holding torque 1.5 Nm	Continuous function cycle S1
Nominal current 3 A	

EXTERNAL COMMAND

- TWO-AXIS CONTROL FOR EACH OF THE TWO COMMANDED MOTORS
- POWER SUPPLY 24 AND 48 VDC (24 V FOR LOGIC AND 48 V FOR THE MOTORS)
- I/O PROGRAMMABLE FOR SPEED AND RAMPS
- CANOPEN, RS485



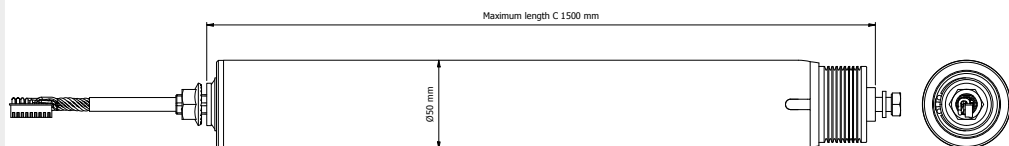
Speed up to 2.1 m/s

48 Vdc

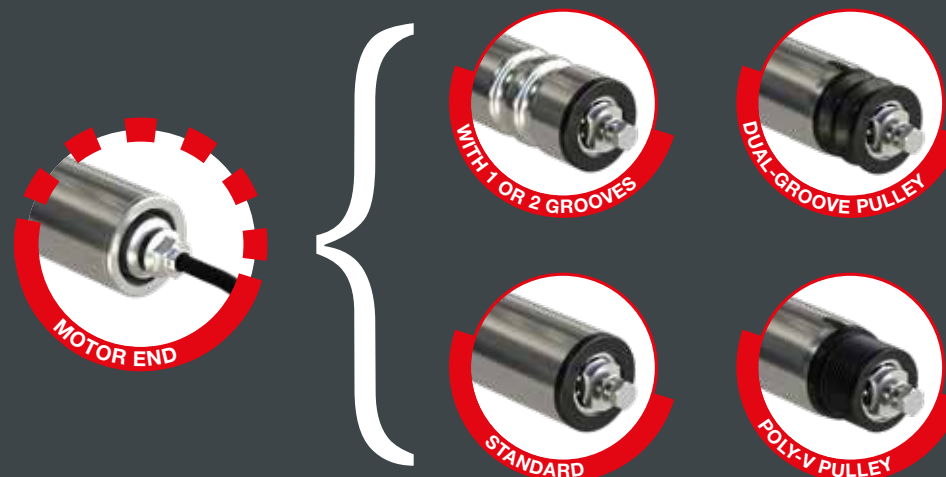
Maximum torque 1.35 Nm

Gearless

DIMENSIONS



DRIVE TYPES



A WIDE RANGE OF BENEFITS



HIGH MTBF (Mean Time Between Failures): The elimination of mechanical components, in particular the gearbox, allows the 2MS version to offer increased reliability and durability.



WIDE-RANGING SPEED AND TORQUE ADJUSTMENT: One single cartridge is suitable for all applications, offering flexible speed and torque adjustment.



ENERGY SAVING: The absence of a gearbox renders the gearless motor intrinsically more efficient, reducing energy loss.



VERSATILE PRODUCT HANDLING: A single cartridge can handle different loads, guaranteeing a wide range of applications.



MECHANICALLY STURDY CONSTRUCTION: The "cartridge" construction developed for the 2MS results in a solid and durable structure.



NO LIMIT TO THE NUMBER OF STARTS/STOPS: The absence of a gearbox and mechanical components eliminates wear, allowing for an unlimited number of start/stop cycles.



INCREASED HOURLY CAPACITY: The 2MS offers almost twice the speed of other models, as demonstrated in tests carried out, significantly increasing hourly capacity.



MAINTENANCE-FREE: The cartridge construction requires no maintenance, reducing costs and machine down-time.



REDUCED NOISE: The absence of a gearbox results in a much quieter motor.