



# Motorized Pulley 80LP

A strong capable drive for small light duty conveyors

## Product description

Due to its strength, reliability and no need for maintenance this motorized pulley is used in small conveyors, packaging machines and simple transfer units.

### Characteristics

- Asynchronous motor AC three-phase or single-phase
- Single supply voltage
- Integral motor protection
- Gearbox planetary-type polymer or polymer / steel combination
- Low noise operation
- Light and distributed weight
- Maintenance free
- Lifetime lubrication
- Reversible operation

### Applications

- Small conveyors for light loads, non-continuous use
- Transfer Conveyors
- Packaging machines for light loads
- Food processing equipment, metal detection, x-ray
- Cash desks in supermarkets
- Dry, damp and wash down applications

Technical data	
Motor Data	
Type of Motor	Asynchronous squirrel-cage, IEC 34 (VDE 0530)
Insulation class of motor windings	Class F, IEC 34 (VDE 0530)
Voltage	230/400 V ± 5% (IEC 34/38)
Frequency	50/60 Hz
Internal shaft sealing system	Double-lipped of nitrile rubber, NBR
External shaft sealing system	Deflection seal nitrile rubber, NBR
Protection rate	IP66
Thermal protection	bimetallic Contact
Ambient temperature, 3-phase motor	+5 to +40 °C
Ambient temperature, 1-phase motor	+10 to +40 °C
General technical data	
Max. Roller length (RL)	912 mm

Motorized Pulleys with RL length greater than 562 mm have reinforced shaft.  
All data and values declared in the catalogue refer to operation with a frequency of 50 Hz.





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### Materials

The following Motorized Pulley components are available in different versions, as shown in the below chart, with further options for the material type as indicated.

Component	Version	Material			
		Standard Aluminium	Steel	Option Stainless Steel	Brass /Nickel
Shell	Crowned	✓	✓	✓	
	Cylindrical	✓	✓	✓	
	Special crownes with grooves	✓	✓	✓	
End housing	Standard	✓		✓	
Shaft cap	Standard	✓			
	With cable protection	✓			
	Regreasable			✓	
Electrical connection	Straight connector			✓	✓
	Elbow connector			✓	

Please contact Rulmeca for further versions.

### Options

- Rubber lagging for standard belts
- Dynamic balancing
- Food grade Oil (EU, FDA and USDA)
- Low temperature Oil
- Non-horizontal mounting (more than  $\pm 5^\circ$ )
- For special versions, please contact RULMECA

### Accessories

- Mounting brackets
- Idler pulleys
- Rollers for conveyors

### Cable Specifications

Cable options available:

- Standard, shielded
- Standard, unshielded
- Halogen-free, shielded
- Halogen-free, unshielded

Available lengths: 1,5 / 3,0 m (other lengths available on request).

