



## Motorized Pulley 80LP

Ø 3.37 in. (80 mm), with planetary gearbox in polymer

### Product description

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

### Characteristics

- Asynchronous 3 phase or 1 phase AC induction motor
- Integral motor protection
- Planetary gearbox in polymer or polymer / steel combination
- Low noise operation
- Light and distributed weight
- Maintenance free
- Lifetime lubrication
- Reversible operation
- Motorized Pulleys with RL greater than 21.65 inches have reinforced shaft

### Applications

- Small conveyors for light loads, non-continuous use
- Transfer conveyors
- Packaging machines for light loads
- Metal detection, x-ray scanners
- Check stands in supermarkets
- Dry or humid applications

### Technical data

<b>Type of motor</b>	Asynchronous squirrel-cage, IEC 34 (VDE 0530)
<b>Insulation class of motor windings</b>	Class F, IEC 34 (VDE 0530)
<b>Available power supplies*</b>	115v/1ph/60Hz, 230v/1ph/60Hz, 230v/3ph/60Hz, 460v/3ph/60Hz
<b>Seal protection rating</b>	IP66
<b>Thermal protection</b>	Bimetallic contact
<b>Allowable ambient temperature, 3-phase motor</b>	+41°F to + 104°F
<b>Allowable ambient temperature, 1-phase motor</b>	+50° F to +104° F
<b>Max. roller length (RL)</b>	35.91 in

\* Other power supply voltages and frequencies are available.



## Motorized Pulley 80LP

Ø 3.37 in. (80 mm), with planetary gearbox in polymer



### Materials

Component	Version	Aluminum	Steel	Stainless Steel	Brass /Nickel
Shell	Crowned	Std	Opt	Opt	-
	Cylindrical	Opt	Opt	Opt	-
	Special crowns with grooves	Opt	Opt	Opt	-
End housing	Standard	Std	-	Opt	-
Shaft cap	Standard (with straight/90° free position cable)	Std	-	-	-
Electrical termination	Power cord with straight connector	-	-	Opt	Opt
	Power cord with 90° connector	-	-	Opt	Opt
	Power cord with elbow connector	Opt	-	Opt	-

### Options

- Dynamic balancing
- Food grade oil (EU, FDA and USDA)
- Non-horizontal mounting (more than  $\pm 5^\circ$ )
- For special versions, please contact RULMECA

### Power Cord Specifications

- Standard, unshielded, 6 feet long
- Other types & lengths available upon request