



Motorized Pulley 80LS

Ø 3.21 in. (80 mm), with steel helical gearbox

Product description

This Motorized Pulley is perfect for high torque applications with limited space or access.

Characteristics

- Asynchronous 3 phase AC induction motor
- Integral motor protection
- Hardened steel helical gearbox
- Low noise operation
- Reversible operation
- Motorized Pulleys with RL greater than 19.69 inches have reinforced shaft.

Applications

- Small package handling conveyors with high duty cycle
- Dynamic weighing equipment
- Metal detectors
- Pharmaceutical equipment
- Food processing equipment
- Positive drive and modular belt conveyors
- Dry, humid and wash down applications

Technical data

Type of Motor	Asynchronous squirrel-cage, IEC 34 (VDE 0530)
Insulation class of motor windings	Class F, IEC 34 (VDE 0530)
Available power supplies*	230v/3ph/60Hz, 460v/3ph/60Hz
Seal protection rating (standard)	P66
Seal protection rating (optional)	IP69
Thermal protection	Bimetallic contact
Allowable ambient temperature, 3-phase motor	+32° F to +104° F
Max. roller length (RL)	39.37 in

* Other power supply voltages and frequencies are available.



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Materials

Component	Version	Aluminum	Steel	Stainless steel
Shell	Crowned	-	Std	Opt
	Cylindrical	-	Std	Opt
	Cylindrical with key (for sprockets)	-	Opt	Opt
	Special profiles	-	Opt	Opt
End housing	Standard	Std	-	Opt
Shaft	Standard	-	-	Std
	Cross-drilled and threaded, M6	-	-	Opt
Electrical termination	Power cord with straight ss connector	-	-	Std
	Power cord with elbow ss connector	-	-	Std
	Power cord w/shaft cap & ss elbw connector	-	-	Std

Options

- Rubber lagging for standard belts
- Profiled lagging for positive drive belts
- Profiled ss shells for positive drive belts
- Mechanical backstop
- Special smooth stainless steel end housings, slotted screw oil plugs, Viton® shaft seals and PTFE deflection seals (option TS8N) for IP69 sealing.
- Electromagnetic brake
- Rectifier
- Encoder
- Food grade oil (EU, FDA and USDA)
- Non-horizontal mounting (more than ± 5°)

Power Cord Specifications

- Standard, shielded, 10 feet long
- Other types & lengths available upon request