



Motorized Pulley 113LS

Superior tough and powerful drive for high use light and medium duty conveyors

Product description

This Motorized Pulley has been designed specifically for applications that require a strong drive.

Characteristics

- Salt water resistant aluminum bearing housing
- Three phase alternating current induction motor
- Dual power supply
- Integral motor protection
- hardened steel helical gear type
- Low noise operation
- Maintenance free
- Lifetime lubrication
- Reversible operation
- Reinforced internal shaft for RL exceeding 800 mm

Applications

- Heavy and frequent use Conveyors
- Conveyors for check-in at airports
- Packaging equipment
- Weighing Machines
- Metal detector
- Pharmaceutical industries
- Food processing
- Plastic or modular belt applications
- 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) Special voltage on request
Frequency	50/60 Hz
Internal shaft sealing system	Double-lipped of nitrile rubber, NBR
Protection rate	IP66
Thermal protection	Bimetallic Contact
Ambient temperature, 3-phase motor	+5 to +40 °C
General technical data	
Max. Roller length (RL)	1200 mm

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.

Components	Version	Material				
		Aluminium	Steel	Stainless Steel	Brass/Nickel	Polymer
Shell	Crowned		Std	TS8N		
	Cylindrical		Std	TS8N		
	Cylindrical + key (for sprockets)		Std	TS8N		
	Special crowns and grooves		Std	TS8N		
End housing	Standard	Std		TS8N		
	With V-grooves			TS8N		
	With O-grooves			TS8N		
Shaft	Standard			Std		
	Cross-drilled and threaded, M8			Std		
Electrical connection	Straight connector			TS8N	Std	
	Elbow connector			TS8N		Std
	Terminal box	Std		TS8N		

Please contact Rulmeca for further versions.
TS8N Version - End Caps in stainless steel with PTFE lip seals.

Options

- Rubber Lagging for standard belts
 - Profiled lagging for plastic modular belts
 - Profiled lagging for thermoplastic belts
 - Sprockets for plastic modular belts
 - Backstop / Anti run-back bearing
 - Dynamic balancing
- Electromagnetic brake
 - Rectifiers
 - Encoder
 - Food-grade Oil (EU, FDA and USDA)
 - Non-horizontal mounting (more than ± 5°)

Note: The combination of encoder and electromagnetic brake is not possible.

Accessories

- Mounting brackets
 - Idler Pulleys
 - Rollers for conveyors
- Shaft caps
 - Frequency Converters



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Cable specification

Available cable options:

- Standard, Screened
- Standard, Unscreened
- Halogen-free, screened
- Halogen-free, Unscreened

Available lengths: 1 / 3 / 5 m.

Min.Length with option

The following options increase the minimum length of the motorized pulley.

Option	RL min with option mm
Brake	RL min + 50 mm
Encoder SKF	RL min + 0 mm
Encoder RLS	RL min +50 mm

