

2250 Series Driven Conveyor Roller



2250 Series

Poly-Vee Conveyor Roller

Product Features

- The poly-vee pulley is located at the end of the roller which separates the drive area and the conveying area making the conveying smooth, high speed and low noise.
- The bearing end cap consists of a precision ball bearing, a polymer housing and end cap seal. Combined they provide an attractive, smooth and quite running roller.
- The design of the end cap protects the bearings by providing excellent resistance to dust and splashed water.
- PJ series poly-vee. Total of 9 grooves at 2.34mm pitch.
- Various PJ belt lengths available to suit different pitch of rollers.
- Suitable for the high speed applications. Maximum speed varies with roller length and diameter. Maximum speed up to 2~3m/s.
- Standard configuration with anti-static design surface impedance $\leq 10^6 \Omega$.
- Temperature range: -5℃ ~ +40℃.
- Humidity range: 30%~ 90% RH (non-condensation).
Please contact us if humidity out of this scope.

Specifications

Bearing Unit	
Bearing housing	Polyamide, black
End cap	Polypropylene, Damon green
Precision ball bearing	6002
Drive Element	
Poly-vee pulley	Polyamide,black

⚙ Poly-vee belts are available.



About Conveying Duty

1. Duty is the maximum conveying capacity of driven roller (it's not roller's maximum load capacity) For more information about the load capacity , refer to the load capacity of 1200 series dia 50 roller on Page 27.
2. In driven conveying, duty plays a decisive role.
3. The duty capacity of the roller is based on the drive method and the type of Poly-vee belt. The duty rating is high when fewer rollers are driven or selecting the 3 or 4 groove Poly-vee belt.
4. The duty capacity for each unit can be as high as 100kg when the 3 groove poly-vee belt is used.

Roller Center Pitch

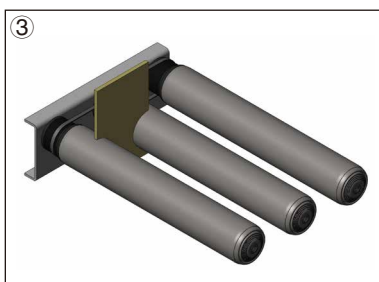
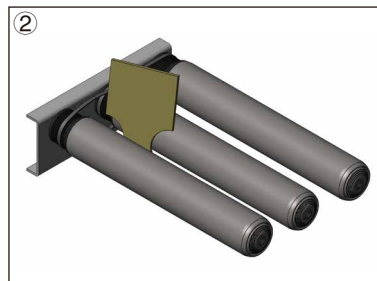
Poly-vee belt selection according to the roller pitch, please refer to the following chart:

Roller pitch(mm)	Types of poly-vee belt	
	2 grooves	3 grooves
60~63	2PJ256	3PJ256
73~75	2PJ286	3PJ286
87~91	2PJ314	3PJ314
97~101	2PJ336	3PJ336
119~121	2PJ376	3PJ376
123~128	2PJ388	3PJ388
129~134	2PJ416	3PJ416
142~147	2PJ435	3PJ435

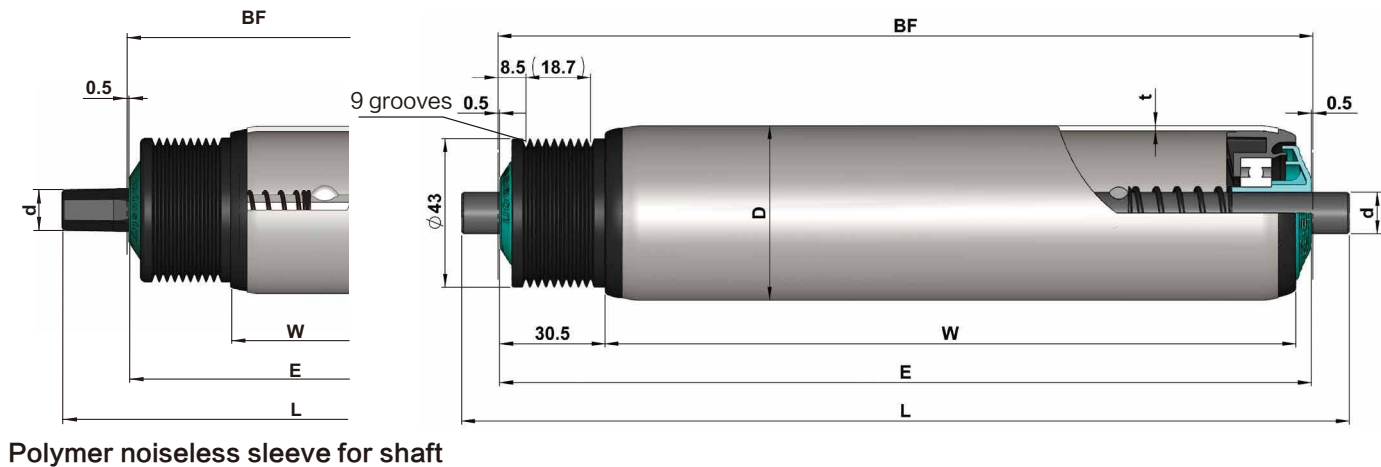
⚙️ If you have other spacing requirements, please contact us.

Roller Installation

To avoid incorrect installation, an appropriate method and a suitable tool is required to install poly-vee rollers.



2250 Series Driven Conveyor Roller



2250 Series Spring Loaded

Tube Dia.(D)	Shaft Dia.(d)			
Φ48	Φ10/12/11hex	BF=W+36	E=W+35	L=W+57
	11hex (Polymer noiseless sleeve for shaft)	BF=W+36	E=W+35	L=W+75
Φ50	Φ10/12/11hex	BF=W+36	E=W+35	L=W+57
	11hex (Polymer noiseless sleeve for shaft)	BF=W+36	E=W+35	L=W+75

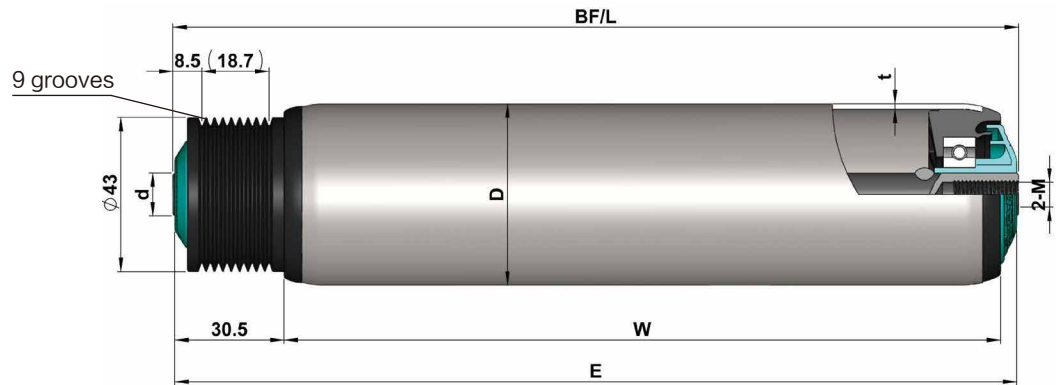
Tube	Shaft Dia.(d)				
	D*T	Φ10	11hex	11hex Polymer noiseless sleeve for shaft	Φ12
Steel, zinc plated	Φ48.6x1.5	2.250.JGA.AMA	2.250.JGA.AFA	2.250.JGA.AHA	2.250.JGA.ACA
	Φ50x1.5	2.250.SHC.AMA	2.250.SHC.AFA	2.250.SHC.AHA	2.250.SHC.ACA
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	2.250.SHD.AMA	2.250.SHD.AFA	2.250.SHD.AHA	2.250.SHD.ACA
Stainless steel (304)	Φ48.6x1.5	2.250.NGC.BMA	2.250.NGC.BFA	2.250.NGC.AHA	2.250.NGC.BCA
	Φ50x1.5	2.250.NHC.BMA	2.250.NHC.BFA	2.250.NHC.AHA	2.250.NHC.BCA
Aluminium	Φ50x1.5		2.250.AHC.AFA	2.250.AHC.AHA	2.250.AHC.ACA

- 
 Φ50 rollers can be fitted with PU sleeve (2mm/3mm).PVC/PU sleeve is not anti-static.
- 
 Polymer noiseless sleeve for shaft roller:

① Actual frame width= E+ (1~3) mm, Excessive width inside the frame will damage the shaft core and roller

 ② Applicable mounting hole range: 11.2~11.7mm (edge to edge)

 Please choose the steel Poly-Vee roller when you must use 4PJ belt.



2250 Series Internal Thread

Tube Dia.(D)	Shaft Dia.(d)			
Φ48	Φ14/15	BF=W+36	E=W+35	L=W+36
Φ50	Φ14/15	BF=W+36	E=W+35	L=W+36

Tube	D*T	Shaft Dia.(d)	
		Φ14 (M8)	Φ15 (M10x20)
Steel, zinc plated	Φ48.6x1.5	2.250.JGA.BLC	2.250.JGA.ADC
	Φ50x1.5	2.250.SHC.BLC	2.250.SHC.ADC
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	2.250.SHD.BLC	2.250.SHD.ADC
	Φ48.6x1.5	2.250.NGC.BLC	2.250.NGC.BDC
Stainless steel (304)	Φ50x1.5	2.250.NHC.BLC	2.250.NHC.BDC
	Φ50x1.5	2.250.AHC.BLC	2.250.AHC.ADC
Aluminium	Φ50x1.5		

⚙️ Φ50 rollers can be fitted with PU sleeve (2mm/3mm).PVC/PU sleeve is not anti-static.

⚠️ Please choose the steel Poly-Vee roller when you must use 4PJ belt.