

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.
 - ISO9982 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 120m/min.
 - Temperature range: -5°C ~ +40°C.
 - Humidity available ≥ 30%
- Please contact us if humidity out of this scope.

Specifications

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

⚙️ Poly-vee belts are available.



Conveying Load

1. Conveying load refers to the maximum load capacity of the roller to be driven.
2. Conveying load is the key factor in dynamic conveying.
3. The load capacity of the roller is based on the drive method and the type of Poly-vee belt. The load rating is high when fewer rollers are driven or selecting the 3 or 4 groove Poly-vee belt.
4. The load capacity for each unit can be as high as 100kg when the 3 groove poly-vee belt is used.

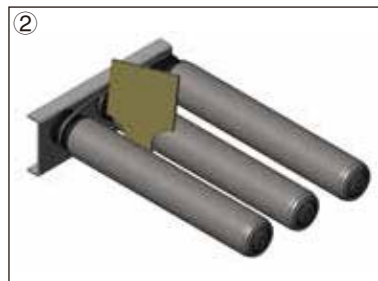
Roller Pitch

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

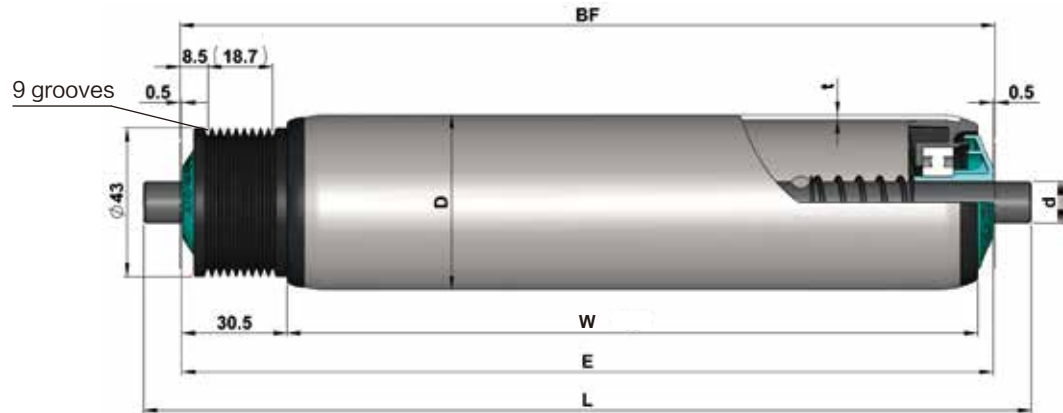
Roller pitch(mm)	Types of poly-vee belt	
	2 grooves	3 grooves
60~63	2PJ256	3PJ256
73~75	2PJ286	3PJ286
76~78	2PJ290	3PJ290
87~91	2PJ314	3PJ314
97~101	2PJ336	3PJ336
103~107	2PJ346	3PJ346
119~121	2PJ376	3PJ376
129~134	2PJ416	3PJ416
142~147	2PJ435	3PJ435
157~161	2PJ456	3PJ456

Roller Installation

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



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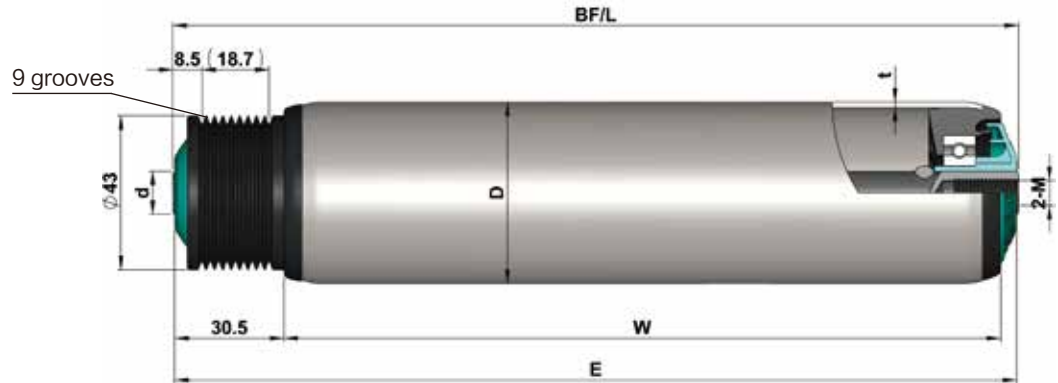
2250 Series Spring Loaded

Tube Dia.(D)	Shaft Dia.(d)			
Φ50	Φ10/12/11hex	BF=W+36	E=W+35	L=W+57

Tube	D*T	Shaft Dia.(d)		
		Φ10	11hex	Φ12
Steel, zinc plated	Φ50x1.5	○	2.250.SHC.BFA	2.250.SHC.ACA
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	○	2.250.SHD.BFA	2.250.SHD.ACA
Stainless steel	Φ50x1.5	○	2.250.NHC.BFA	2.250.NHC.BCA
Aluminium	Φ50x1.5		○	○

○ — Available configuration

⚙️ Φ50mm rollers can be fitted with PU sleeve (2mm).



2250 Series **Internal Thread**

Tube Dia.(D)	Shaft Dia.(d)			
Φ50	Φ12/15	BF=W+36	E=W+35	L=W+36

Tube	D*T	Shaft Dia.(d)	
		Φ12 (M8x15)	Φ15 (M10x20)
Steel, zinc plated	Φ50x1.5	2.250.SHC.ACC	2.250.SHC.ADC
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	2.250.SHD.ACC	2.250.SHD.ADC
Stainless steel	Φ50x1.5	2.250.NHC.BCC	2.250.NHC.BDC
Aluminium	Φ50x1.5	○	○

○—Available configuration

⚙️ Φ50mm rollers can be fitted with PU sleeve (2mm).