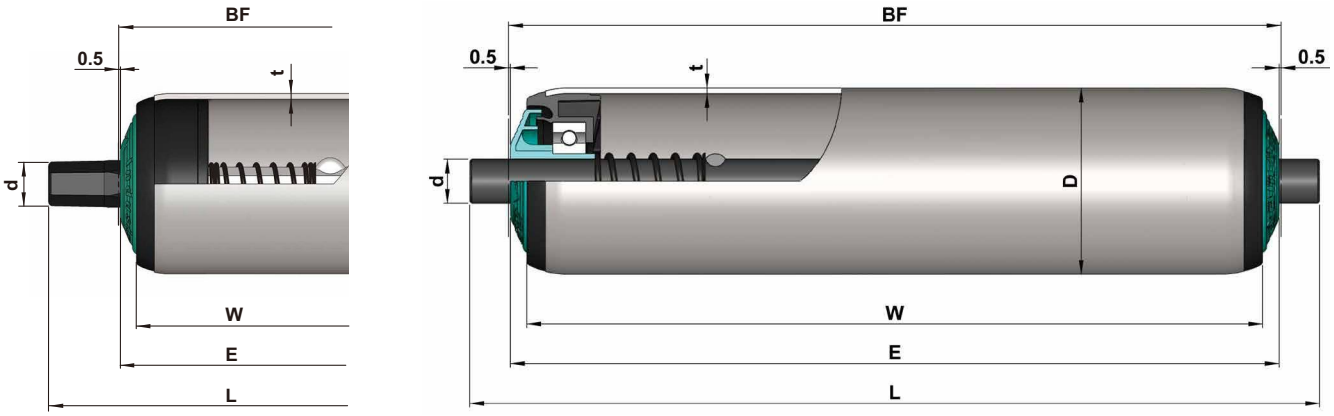
1200 Series
Universal Conveyor Roller

Product Features

- It is widely used and the most popular product in the gravity roller series. It is commonly used in carton conveying applications.
- 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.
- Can be configured with different bearings according to the application. Meets the requirements for light gravity chutes.
- 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 $\leqslant 10^{6}\ \Omega$。
- 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	6002/6003/6205



Polymer noiseless sleeve for shaft

1200 Series Spring Loaded

Tube Dia.(D)	Shaft Dia.(d)			
Φ38	Φ8/10/12/11hex	BF=W+10	E=W+9	L=W+31
Φ48	Φ10/12/11hex	BF=W+10	E=W+9	L=W+31
	11hex Polymer noiseless sleeve for shaft	BF=W+10	E=W+9	L=W+49
Φ50	Φ8/10/12/11hex	BF=W+10	E=W+9	L=W+31
	11hex Polymer noiseless sleeve for shaft	BF=W+10	E=W+9	L=W+49
Φ60	Φ10/12/11hex	BF=W+10	E=W+9	L=W+31

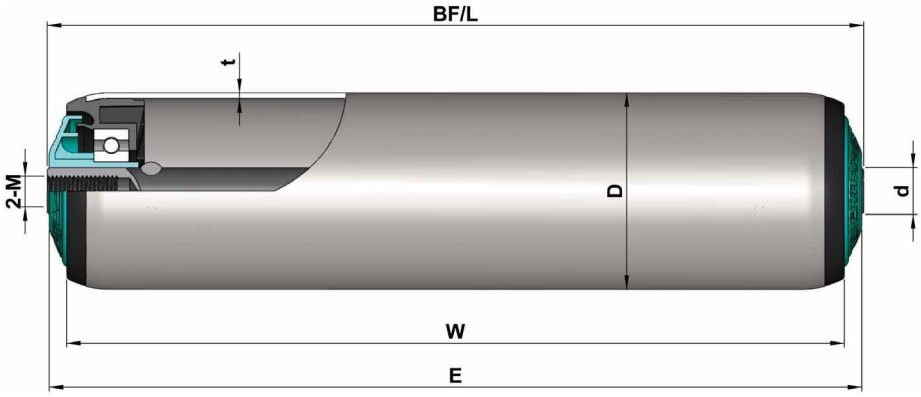
Tube	D*T	Shaft Dia.(d)				
		Φ8	Φ10	11hex	11hex Polymer noiseless sleeve for shaft	Φ12
Steel, zinc plated	Φ38x1.2	1.200.SDC.ABA	1.200.SDC.AMA	1.200.SDC.AFA	1.200.SDC.AHA	1.200.SDC.ACA
	Φ48.6x1.5		1.200.JGA.AMA	1.200.JGA.AFA	1.200.JGA.AHA	1.200.JGA.ACA
	Φ50x1.5	1.200.SHC.ABA	1.200.SHC.AMA	1.200.SHC.AFA	1.200.SHC.AHA	1.200.SHC.ACA
	Φ50x2.0		1.200.SWC.AMA	1.200.SWC.AFA	1.200.SWC.AHA	1.200.SWC.ACA
	Φ60x2.0		1.200.SOC.AMA	1.200.SOC.AFA	1.200.SOC.AHA	1.200.SOC.ACA
Steel, zinc plated, with PVC sleeve (2mm)	Φ50x1.5	1.200.SHD.ABA	1.200.SHD.AMA	1.200.SHD.AFA	1.200.SHD.AHA	1.200.SHD.ACA
	Φ50x2.0		1.200.SWD.AMA	1.200.SWD.AFA	1.200.SWD.AHA	1.200.SWD.ACA
	Φ60x2.0			1.200.SOD.AFA	1.200.SOD.AHA	1.200.SOD.ACA
Stainless steel (304)	Φ38x1.2	1.200.NDC.BBA	1.200.NDC.BMA	1.200.NDC.BFA	1.200.NDC.AHA	1.200.NDC.BCA
	Φ48.6x1.5		1.200.NGC.BMA	1.200.NGC.BFA	1.200.NGC.AHA	1.200.NGC.BCA
	Φ50x1.5	1.200.NHC.BBA	1.200.NHC.BMA	1.200.NHC.BFA	1.200.NHC.AHA	1.200.NHC.BCA
	Φ60x2.0		1.200.NOC.BMA	1.200.NOC.BFA	1.200.NOC.AHA	1.200.NOC.BCA
Aluminium	Φ50x1.5	1.200.AHC.ABA	1.200.AHC.AMA	1.200.AHC.AFA	1.200.AHC.AHA	1.200.AHC.ACA
	Φ60x2.0		1.200.AOC.AMA	1.200.AOC.AFA	1.200.AOC.AHA	1.200.AOC.ACA
PVC	Φ50x2.5	1.200.P8C.BBA	1.200.P8C.BMA	1.200.P8C.BFA	1.200.P8C.AHA	1.200.P8C.BCA

Φ50 rollers can be fitted with PU(2mm).

⚠ 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）

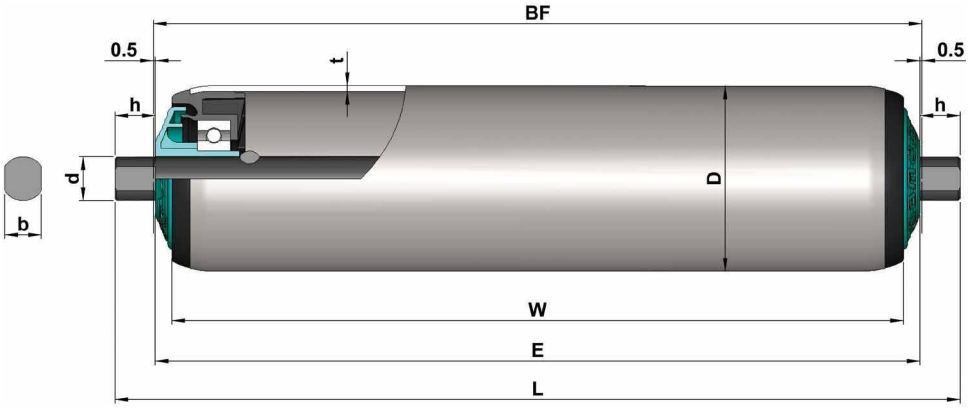


1200 Series Internal Thread

Tube Dia.(D)	Shaft Dia.(d)			
Φ38	Φ14	BF=W+10	E=W+9	L=W+10
Φ48	Φ14/15	BF=W+10	E=W+9	L=W+10
Φ50	Φ14/15/17	BF=W+10	E=W+9	L=W+10
Φ60	Φ14/15/17	BF=W+10	E=W+9	L=W+10
Φ76	Φ20	BF=W+12	E=W+11	L=W+12
Φ80	Φ20	BF=W+12	E=W+11	L=W+12

Tube	D*T	Shaft Dia.(d)			
		Φ14 (M8)	Φ15 (M10x20)	Φ17 (M12x25)	Φ20 (M12x25)
Steel, zinc plated	Φ38x1.2	1.200.SDC.BLC			
	Φ48.6x1.5	1.200.JGA.BLC	1.200.JGA.ADC		
	Φ50x1.5	1.200.SHC.BLC	1.200.SHC.ADC	1.200.SHC.AGC	
	Φ50x2.0	1.200.SWC.BLC	1.200.SWC.ADC		
	Φ60x2.0	1.200.SOC.BLC	1.200.SOC.ADC		
	Φ60x3.0			1.200.JLA.AGC	
	Φ76x3.0				1.200.JSA.AEC
	Φ80x3.0				1.200.J6A.AEC
Steel, zinc plated, with PVC sleeve (2mm)	Φ50x1.5	1.200.SHD.BLC	1.200.SHD.ADC		
	Φ50x2.0	1.200.SWD.BLC	1.200.SWD.ADC		
	Φ60x2.0	1.200.SOD.BLC	1.200.SOD.ADC		
Stainless steel (304)	Φ38x1.2	1.200.NDC.BLC			
	Φ48.6x1.5	1.200.NGC.BLC	1.200.NGC.BDC		
	Φ50x1.5	1.200.NHC.BLC	1.200.NHC.BDC	1.200.NHC.BGC	
	Φ60x2.0	1.200.NOC.BLC	1.200.NOC.BDC		
	Φ76x3.0				1.200.NSC.BEC
Aluminium	Φ50x1.5	1.200.AHC.BLC	1.200.AHC.ADC		
	Φ60x2.0	1.200.AOC.BLC	1.200.AOC.ADC		
PVC	Φ50x2.5	1.200.P8C.BLC	1.200.P8C.BDC		

Φ50 rollers can be fitted with PU(2mm).



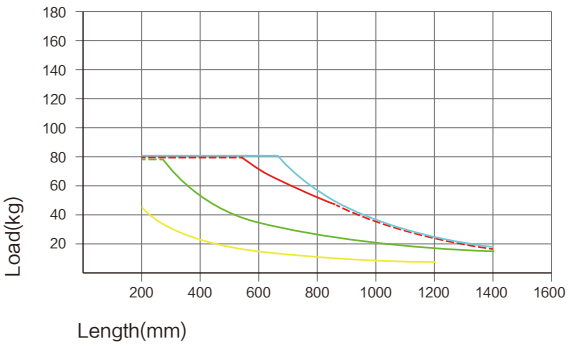
1200 Series Milled Flats

Tube Dia.(D)	Shaft Dia.(d)			
Φ38	Φ12	BF=W+10	E=W+9	L=W+31
Φ48	Φ12/15	BF=W+10	E=W+9	L=W+31
Φ50	Φ12/15/17	BF=W+10	E=W+9	L=W+31
Φ60	Φ12/15/17	BF=W+10	E=W+9	L=W+31
Φ76	Φ20	BF=W+12	E=W+11	L=W+41
Φ80	Φ20	BF=W+12	E=W+11	L=W+41

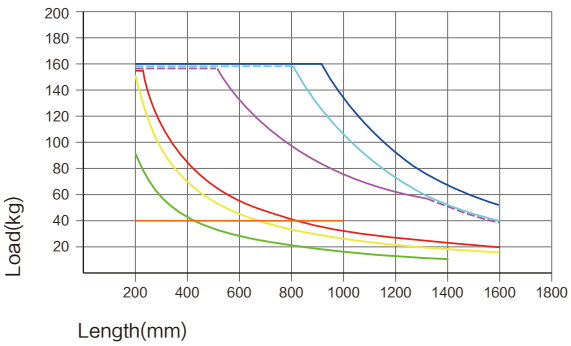
Tube	D*T	Shaft Dia.(d)			
		Φ12 (b/h=10/11)	Φ15 (b/h=12/11)	Φ17(b/h=15/11)	Φ20 (b/h=16/15)
Steel, zinc plated	Φ38x1.2	1.200.SDC.ACB			
	Φ48.6x1.5	1.200.JGA.ACB	1.200.JGA.ADB		
	Φ50x1.5	1.200.SHC.ACB	1.200.SHC.ADB	1.200.SHC.AGB	
	Φ50x2.0	1.200.SWC.ACB	1.200.SWC.ADB		
	Φ60x2.0	1.200.SOC.ACB	1.200.SOC.ADB		
	Φ60x3.0			1.200.JLA.AGB	
	Φ76x3.0				1.200.JSA.AEB
	Φ80x3.0				1.200.J6A.AEB
Steel, zinc plated, with PVC sleeve (2mm)	Φ50x1.5	1.200.SHD.ACB	1.200.SHD.ADB		
	Φ50x2.0	1.200.SWD.ACB	1.200.SWD.ADB		
	Φ60x2.0	1.200.SOD.ACB	1.200.SOD.ADB		
Stainless steel (304)	Φ38x1.2	1.200.NDC.BCB			
	Φ50x1.5	1.200.NHC.BCB	1.200.NHC.BDB	1.200.NHC.BGB	
	Φ60x2.0	1.200.NOC.BCB	1.200.NOC.BDB		
	Φ76x3.0				1.200.NSC.BEB
Aluminium	Φ50x1.5	1.200.AHC.ACB	1.200.AHC.ADB		
	Φ60x2.0	1.200.AOC.ACB	1.200.AOC.ADB		
PVC	Φ50x2.5	1.200.P8C.BCB	1.200.P8C.BDB		

Φ50 rollers can be fitted with PU(2mm).

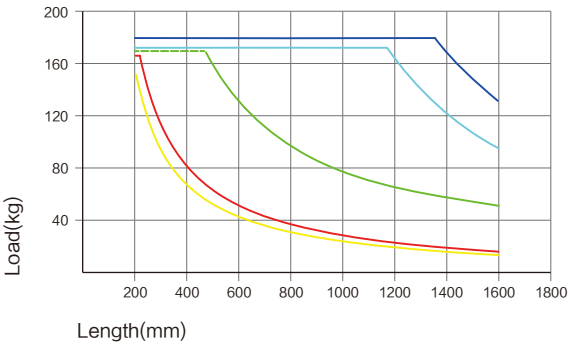
1200 Series Load Capacity



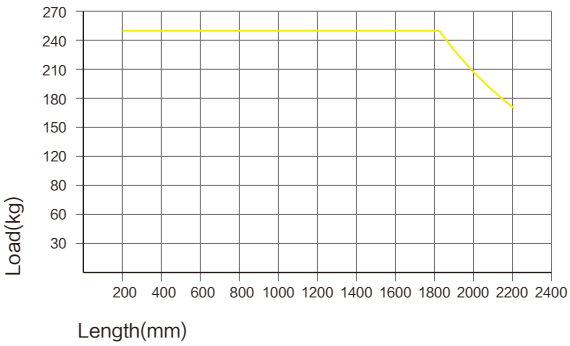
- Steel tube Φ38x1.2, shaft Φ14, internal thread
- Steel tube Φ38x1.2, shaft Φ12, spring loaded
- Steel tube Φ38x1.2, shaft Φ10, spring loaded
- Steel tube Φ38x1.2, shaft Φ8, spring loaded



- Steel tube Φ50x2.0, shaft Φ14/15, internal thread
- Steel tube Φ50x1.5, shaft Φ14/15, internal thread
- Steel tube Φ50x1.5, shaft Φ15, milled flats
- Steel tube Φ50x1.5, shaft Φ12, spring loaded
- Steel tube Φ50x1.5, shaft11hex, spring loaded
- Steel tube Φ50x1.5, shaft Φ10, spring loaded
- Steel tube Φ50x1.5, shaft11hex, Polymer noiseless sleeve for shaft



- Steel tube Φ60x3.0, shaft Φ17, internal thread
- Steel tube Φ60x2.0, shaft Φ14/15, internal thread
- Steel tube Φ60x2.0, shaft Φ15, milled flats
- Steel tube Φ60x2.0, shaft Φ12, spring loaded
- Steel tube Φ60x2.0, shaft 11hex, spring loaded



- Steel tube Φ80x3.0, shaft Φ20, internal thread
- Steel tube Φ76x3.0, shaft Φ20, internal thread

⚠ Above data shows the static load capacity of the roller for a uniformly distributed load.