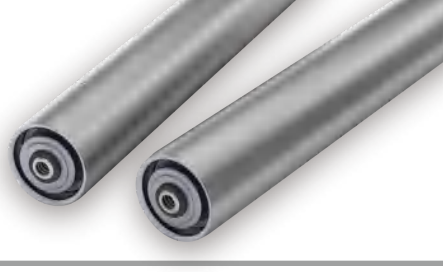
1800 Series
Gravity Conveyor Roller

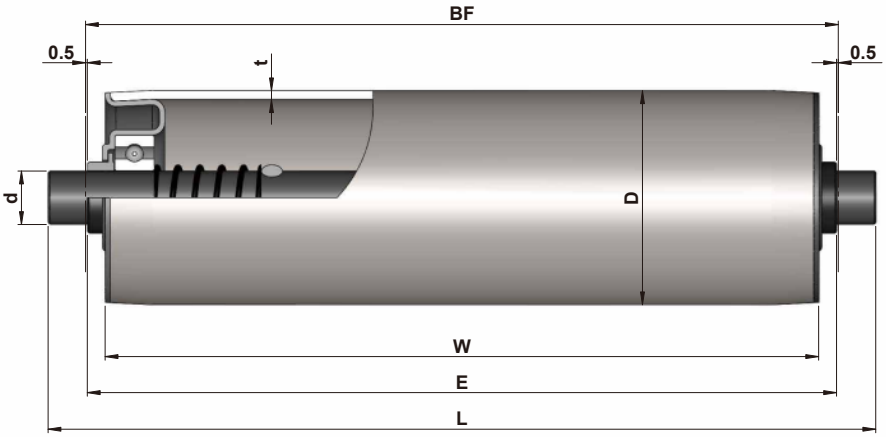
Product Features

- The precision ball bearing is secured in the steel stamped bearing housing. The bearing is tight and durable. Able to withstand greater axial forces than a plastic bearing unit.
- The environmental working conditions are broad. They can be used in both high and low temperature applications.
- Complete range of tube diameters available. High load capacity.
- Anti-static design.
- Not suitable for carring roller & tensioning position of belt conveyor.
- Temperature range: −5℃ ~ +40℃,Remove the retaining ring on both sides (black), the temperature can reach −30 ℃ ~ +80 ℃.

Specifications

Bearing Unit	
Bearing housing	Steel, zinc plated
Precision ball bearing	6001/6202/6004/6204
Ground sleeve	Polyamide, black



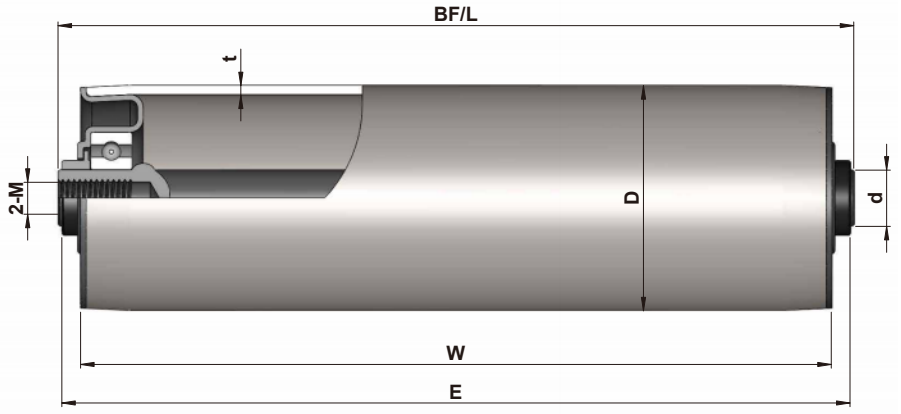


1800 Series Spring Loaded

Tube Dia.(D)	Shaft Dia.(d)			
Φ50	Φ12	BF=W+9	E=W+8	L=W+30
Φ50	Φ15	BF=W+11	E=W+10	L=W+32
Φ60	Φ12/15	BF=W+11	E=W+10	L=W+32
Φ80	Φ20	BF=W+11	E=W+10	L=W+40
Φ89	Φ20	BF=W+11	E=W+10	L=W+40

Tube	D*T	Shaft Dia.(d)		
		Φ12	Φ15	Φ20
Steel, zinc plated	Φ50x1.5	1.800.SHC.ACA	1.800.SHC.ADA	
	Φ50x2.0	1.800.JWA.ACA	○	
	Φ60x2.0	1.800.SOC.ACA	1.800.SOC.ADA	
	Φ60x3.0		1.800.JLA.ADA	
	Φ80x2.0			○
	Φ80x3.0			1.800.J6A.AEA
	Φ89x3.0			1.800.JYA.AEA
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	1.800.SHD.ACA	1.800.SHD.ADA	
	Φ50x2.0	1.800.JWD.ACA	1.800.JWD.ADA	
	Φ60x2.0	1.800.SOD.ACA	1.800.SOD.ADA	
	Φ60x3.0		1.800.JLD.ADA	
Steel, zinc plated with PU sleeve (2mm)	Φ50x1.5	1.800.SHV.ACA	1.800.SHV.ADA	
	Φ50x2.0	1.800.JWV.ACA	1.800.JWV.ADA	
Stainless steel	Φ50x1.5	1.800.NHC.BCA	1.800.NHC.BDA	
	Φ60x2.0	1.800.NOC.BCA	1.800.NOC.BDA	
Aluminium	Φ50x1.5	1.800.AHC.ACA	1.800.AHC.ADA	
	Φ60x2.0	1.800.AOC.ACA	1.800.AOC.ADA	

○——Available configuration

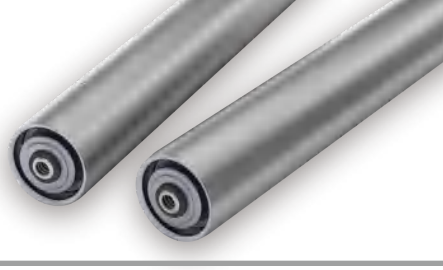


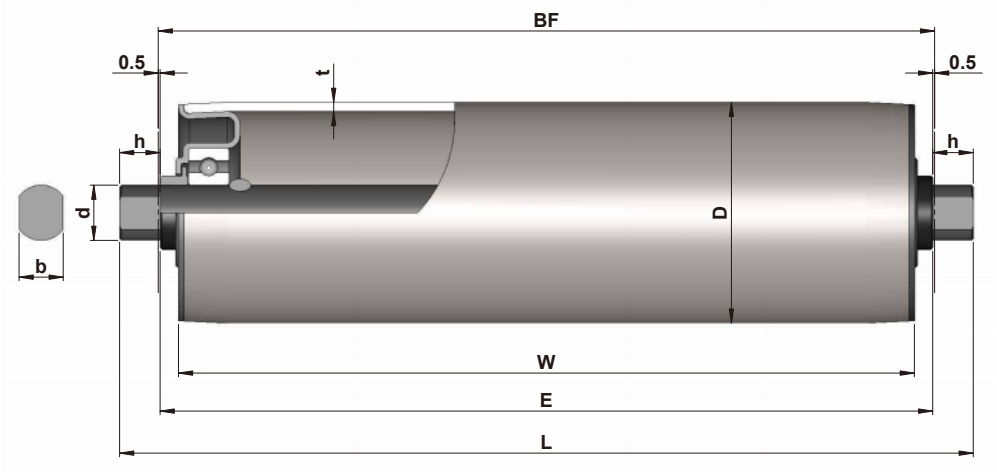
1800 Series Internal Thread

Tube Dia.(D)	Shaft Dia.(d)			
Φ50	Φ12	BF=W+9	E=W+8	L=W+9
Φ50	Φ15	BF=W+11	E=W+10	L=W+11
Φ60	Φ12/15	BF=W+11	E=W+10	L=W+11
Φ80	Φ20	BF=W+11	E=W+10	L=W+11
Φ89	Φ20/25	BF=W+11	E=W+10	L=W+11

Tube	D*T	Shaft Dia.(d)				
		Φ12(M8x15)	Φ15(M10x20)	Φ17 (M12x25)	Φ20 (M12x25)	Φ25 (M12x25)
Steel, zinc plated	Φ50x1.5	1.800.SHC.ACC	1.800.SHC.ADC			
	Φ50x2.0	1.800.JWA.ACC	○	○		
	Φ60x2.0	1.800.SOC.ACC	1.800.SOC.ADC		○	
	Φ60x3.0		1.800.JLA.ADC	○		
	Φ80x2.0				○	
	Φ80x3.0				1.800.J6A.AEC	
	Φ89x3.0				1.800.JYA.AEC	○
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	1.800.SHD.ACC	1.800.SHD.ADC		○	
	Φ50x2.0	1.800.JWD.ACC	○			
	Φ60x2.0	1.800.SOD.ACC	1.800.SOD.ADC			
	Φ60x3.0		1.800.JLD.ADC			
Steel, zinc plated with PU sleeve (2mm)	Φ50x1.5	1.800.SHV.ACC	1.800.SHV.ADC			
	Φ50x2.0	1.800.JWV.ACC	○			
Stainless steel	Φ50x1.5	1.800.NHC.BCC	1.800.NHC.BDC			
	Φ60x2.0	1.800.NOC.BCC	1.800.NOC.BDC		○	
Aluminium	Φ50x1.5	1.800.AHC.ACC	○			
	Φ60x2.0	1.800.AOC.ACC	1.800.AOC.ADC		○	

○——Available configuration





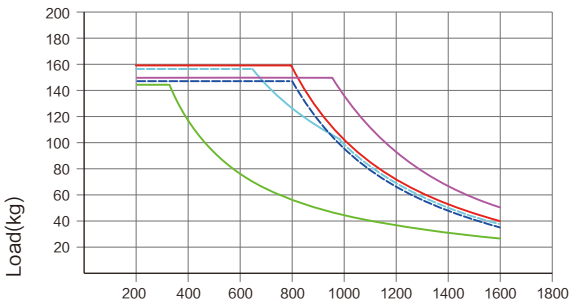
1800 Series Milled Flats

Tube Dia.(D)	Shaft Dia.(d)			
Φ50	Φ12	BF=W+9	E=W+8	L=W+30
Φ50	Φ15	BF=W+11	E=W+10	L=W+32
Φ60	Φ12/15	BF=W+11	E=W+10	L=W+32
Φ80	Φ20	BF=W+11	E=W+10	L=W+40
Φ89	Φ20	BF=W+11	E=W+10	L=W+40

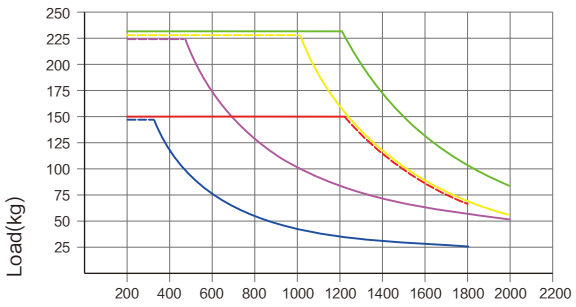
Tube	D*T	Shaft Dia.(d)		
		Φ12 (b/h=10/11)	Φ15 (b/h=12/11)	Φ20 (b/h=16/15)
Steel, zinc plated	Φ50x1.5	1.800.SHC.ACB	1.800.SHC.ADB	
	Φ50x2.0	1.800.JWC.ACB	○	
	Φ60x2.0	1.800.SOC.ACB	1.800.SOC.ADB	○
	Φ60x3.0		1.800.JLA.ADB	
	Φ80x2.0			○
	Φ80x3.0			1.800.J6A.AEB
	Φ89x3.0			1.800.JYA.AEB
Steel, zinc plated with PVC sleeve (2mm)	Φ50x1.5	1.800.SHD.BCB	1.800.SHD.ADB	
	Φ50x2.0	1.800.JWD.BCB	○	
	Φ60x2.0	1.800.SOD.ACB	1.800.SOD.ADB	
	Φ60x3.0		1.800.JLD.ADB	
Steel, zinc plated with PU sleeve (2mm)	Φ50x1.5	1.800.SHV.ACB	1.800.SHV.ADB	
	Φ50x2.0	1.800.JWV.ACB	○	
Stainless steel	Φ50x1.5	1.800.NHC.BCB	1.800.NHC.BDB	
	Φ60x2.0	1.800.NOC.BCB	1.800.NOC.BDB	○
Aluminium	Φ50x1.5	1.800.AHC.ACB	○	
	Φ60x2.0	1.800.AOC.ACB	1.800.AOC.ADB	○

○——Available configuration

1800 Series Load Capacity



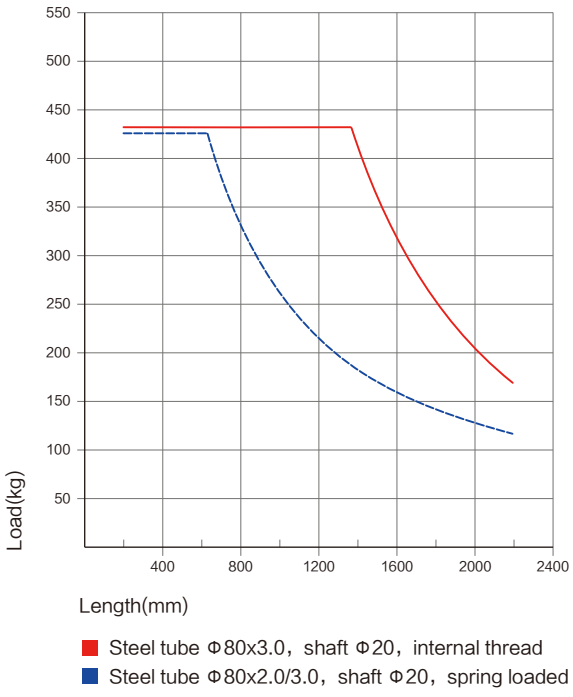
- Steel tube Φ50x1.5, shaft Φ15, internal thread
- Steel tube Φ50x1.5, shaft Φ15, spring loaded
- Steel tube Φ50x2.0, shaft Φ12, internal thread
- Steel tube Φ50x1.5, shaft Φ12, internal thread
- Steel tube Φ50x1.5/2.0, shaft Φ12, spring loaded



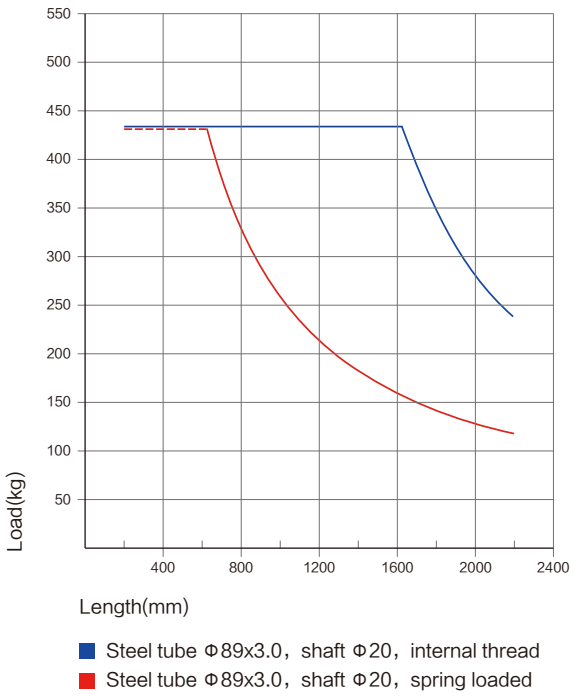
- Steel tube Φ60x3.0, shaft Φ15, internal thread
- Steel tube Φ60x2.0, shaft Φ15, internal thread
- Steel tube Φ60x3.0, shaft Φ15, spring load
- Steel tube Φ60x2.0, shaft Φ12, internal thread
- Steel tube Φ60x2.0, shaft Φ12, spring loaded

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

1800 Series Load Capacity



■ Steel tube Φ80x3.0，shaft Φ20，internal thread
■ Steel tube Φ80x2.0/3.0，shaft Φ20，spring loaded



■ Steel tube Φ89x3.0，shaft Φ20，internal thread
■ Steel tube Φ89x3.0，shaft Φ20，spring loaded

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