



CONVEYOR ROLLER

PRODUCTS OVERVIEW

www.damonroller.com

Version:202504V5(1)-Eu(en)



Rolling Guaranteed

About Damon Industry



ONE OF THE GLOBAL LEADING MANUFACTURER OF CONVEYOR ROLLERS ——Providing European local manufacturing, sales and services

Damon Industry provides millions pieces of rollers all over the world every year for many industries. With decades' professional experience of conveyor roller, Damon Industry provides support for global companies to achieve efficient logistics.

Damon Industry, since its establishment, has always been committed to providing the highest quality conveyor rollers and services for a wide range of industries.

Damon Industry has manufacturing bases in Asia, America and Australia, and providing local manufacturing, sales and services. Damon Industry has also set up a manufacturing base in Europe now, and has always been committed to be a high-quality supplier of conveyor rollers.

Damon Industry conveyor rollers are used in a variety of industries including food distribution, pharmacy, tobacco, clothing, postal express, logistics and distribution, manufacturing, rubber and airport industries. Damon Industry provides a vast range of reliable and innovative roller solutions. Our dedicated and experienced team of sales people and application engineers' work with our clients to ensure the products are suitable for the application and help users improve efficiency and reduce costs. We will always focus on supplying outstanding conveyor roller solutions to local and global customers.

Globally we have gained the consistent trust of our customers. These customers include influential equipment manufacturing companies and logistics system integrators. We provide customers with over 40 different products covering a variety of specifications to suit user's different requirements. The customers of using Damon Industry rollers are over Europe, Asia, America, Australia and Africa, and this range is gradually expanding.

We not only provide high-quality rollers, but also provide a full range of quality services for customers all over the world. From introducing the complete information based ERP management system to the independent research and development of the online roller dimensional drawing system service, we are viewing our market from a brand new perspective and are pleased to share our ideas of quality and innovation with every customer.

With the mission of "Creating value for customer's logistics systems", Damon Industry will strive for the vision of becoming "The most influential core components supplier and service provider for the global materials handling industry".

Gravity conveyor roller series

02-03



Series	1100	1200	1800
Diameter	Φ30/40/50/60	Φ40/50/60/80	Φ50/60 Φ80/89

Driven conveyor roller series

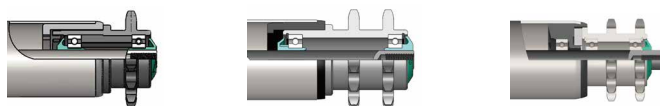
04-07



Series	2230/2240	2260	2250	2280	2214/2224	2411/2421	2311/2321
Diameter	Φ40/50/60	Φ50	Φ50	Φ50	Φ50/60	Φ50/60/80	Φ50/60 Φ80/89

Accumulating conveyor roller series

08



Series	3214/3224	3211/3221	3816/3826
Diameter	Φ50/60	Φ50/60	Φ50/60

Curve conveyor roller series

09-11



Series	1600	2640	2660	2650	2624	1500	2521
Diameter	Φ52.5/55.6	Φ52.5/55.6	Φ52.5/55.6	Φ52.5/55.6	Φ52.5/55.6	Φ50	Φ50

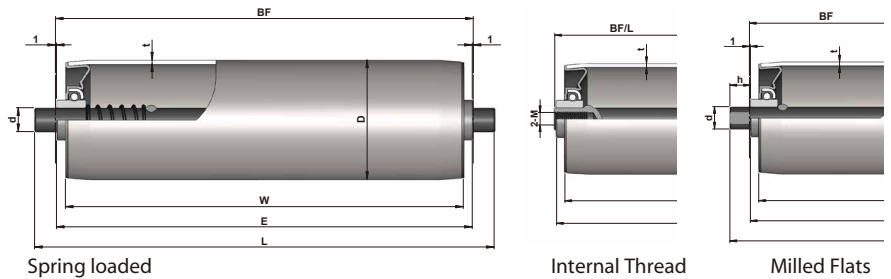
Gravity Conveyor Roller Series



- Special semi-precision bearing housing
- Suitable for gravity or gliding conveyor

1100 Series

Light/Medium Duty Conveyor Roller



D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ30	1.5	Φ8/10	√	√	
Φ40	1.5	11hexΦ8/10/12	√	√	
Φ50	1.5	11hexΦ8/10/12	√	√	√
Φ60	2.0	Φ10/12	√	√	√

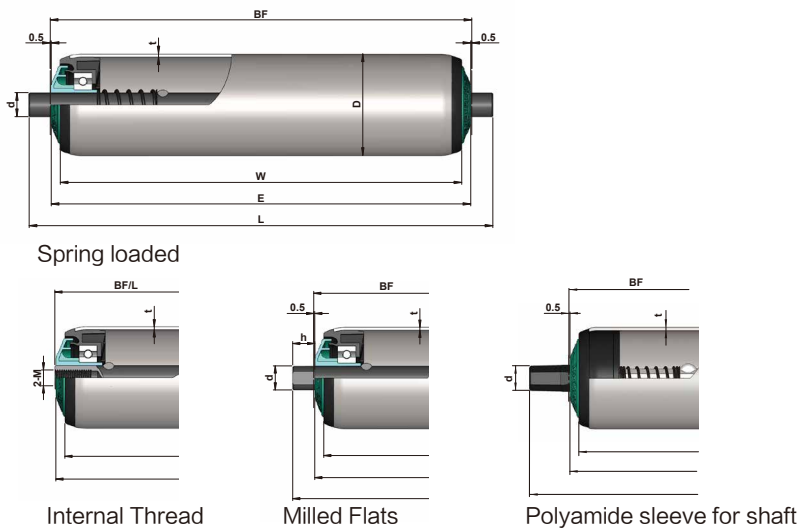
⚠ Not suitable for carrying roller & tensioning position of belt conveyor.

1200 Series

Universal Conveyor Roller



- Design of polymer bearing housing and end cap
- Beautiful, quiet operation
- Max speed up to 120m/min
- Anti-static is Standard
- Light running type is available
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)



D	t	Shaft	Tube			
			Steel Z/P	SS	Aluminium	PVC
Φ40	1.5	11hex, Φ8/10/12	√	√		
Φ50	1.5	11hex, Φ8/10/12/15/17	√	√	√	
Φ50	2.0	11hex, Φ8/10/12/15	√			
Φ50	2.5	11hex, Φ8/10/12/15				√
Φ60	2.0	11hex, Φ10/12/15	√	√	√	
Φ60	3.0	Φ17	√			
Φ80	3.0	Φ20	√			

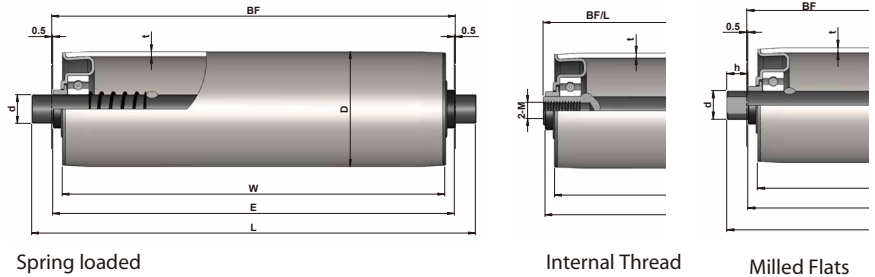
Remark: Φ50mm rollers can be fitted with PU sleeve (2mm).

Φ50- 60mm rollers can be fitted with PVC sleeve (2mm).

11 hex can provide polyamide shaft sleeve roller.

1800 Series

Medium/Heavy Duty Conveyor Roller



- Steel bearing housing, precision bearing, sturdy and durable
- Many options of diameter, wide range of load capacity
- Could apply in conditions of -30~+80°C

D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ50	1.5	Φ12/15	√	√	
Φ50	2.0	Φ12/15	√		√
Φ60	2.0	Φ12/15/20	√	√	
Φ60	3.0	Φ15/17	√		√
Φ80	2.0	Φ20	√		
Φ80	3.0	Φ20	√		
Φ80	4.0	Φ20			√
Φ89	3.0	Φ20	√		√
Φ89	4.0	Φ20	√		

Remark: Φ50、60mm rollers can be fitted with PVC sleeve(2mm).

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

⚠ Not suitable for carrying roller & tensioning position of belt conveyor.

Driven Conveyor Roller Series

Single/Double Grooved O-Belt Conveyor Roller

2230/2240 Series

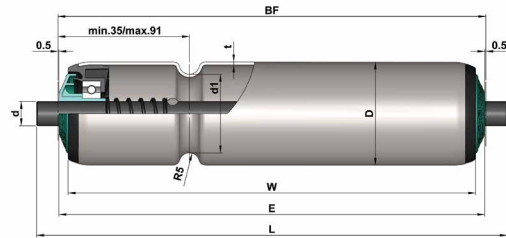


2230

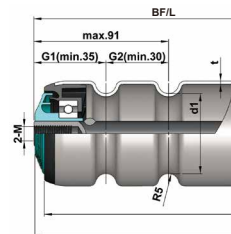


2240

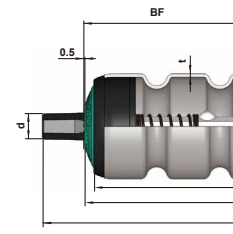
- Simple structure, groove position customized
- Quiet operation, Standard anti-static design
- Application for light & middle duty
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)



Spring loaded



Internal Thread



Polyamide sleeve for shaft

D	t	Shaft	Tube	
			Steel Z/P	SS
Φ40	1.5	11hex, Φ8/10/12	√	√
Φ50	1.5	11hex, Φ8/10/12/15	√	√
Φ60	2.0	11hex, Φ10/12/15	√	√

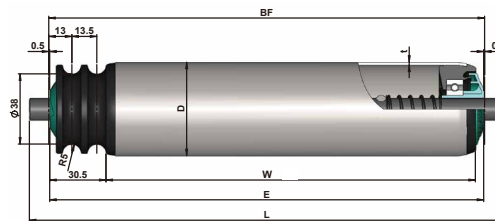
Remark: Φ50mm rollers can be fitted with PU sleeve (2mm).

Φ50- 60mm rollers can be fitted with PVC sleeve (2mm).

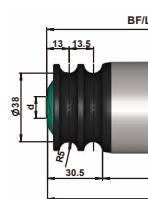
11 hex can provide polyamide shaft sleeve roller.

2260 Series

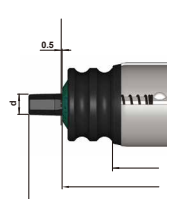
Double Groove O-Belt Pulley Conveyor Roller



Spring loaded



Internal Thread



Polyamide sleeve for shaft

- The end driven, more stabilized conveying
- Based on 1200 series design, beautiful, quiet operation
- Application for light & middle duty
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)

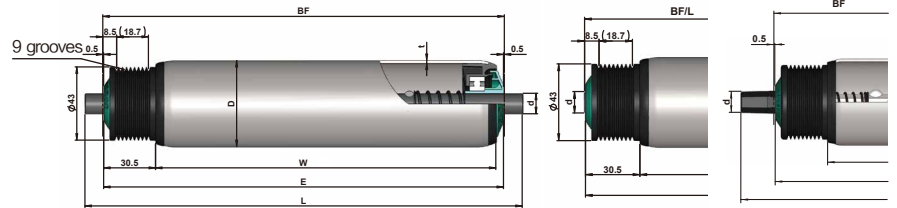
D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ50	1.5	11hex, Φ10/12/15	√	√	√

Remark: Φ50mm rollers can be fitted with PVC sleeve (2mm) and PU sleeve (2mm).

11 hex can provide polyamide shaft sleeve roller.

2250 Series

Poly-Vee Conveyor Roller



Spring loaded

Internal thread

Polyamide sleeve for shaft

- Quiet operation, higher transport efficiency
- 9 V-grooves, more options of PJ poly-Vee belt
- Application for middle&high speed, light & middle duty
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)

D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
$\Phi 50$	1.5	11 hex, $\Phi 10/12/15$	√	√	√

Remark: $\Phi 50\text{mm}$ rollers can be fitted with PVC sleeve (2mm) and PU sleeve (2mm).

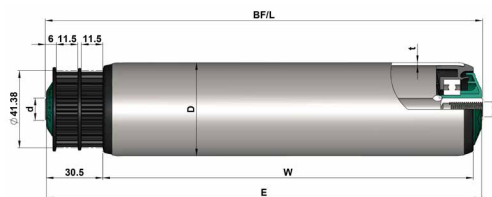
11 hex can provide polyamide shaft sleeve roller.

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



2280 Series

Timing Belt Pulley Conveyor Roller



- Compact structure, tension free, simple design.
- T5 tooth profile suitable for roller conveying, higher universality.
- Accurate positioning, combine with MDR can match the application of transplant section.
- Combine with PU timing belt can match the application of clean room and other harsh environment.
- Self-lubricating and maintenance-free.
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)

D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
$\Phi 50$	1.5	$\Phi 12/15$	√	√	√

Remark: $\Phi 50\text{mm}$ rollers can be fitted with PVC/PU sleeve(2mm).

Driven conveyor roller series



2214

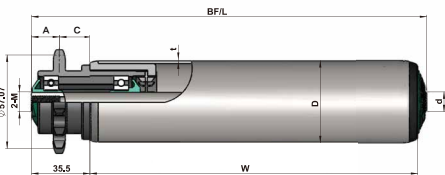


2224

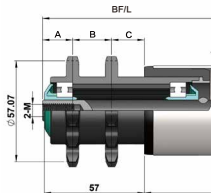
- Polymer sprocket design, lighter and quieter
- Self-lubricating with steel chain, completely free of maintenance
- Suitable for light, middle duty convey
- Temperature range: - 5°C ~ + 40°C
- Humidity range: 30%~ 90% RH (non-condensation)

2214/2224 Series

Polymer Single/Double Sprocket Conveyor Roller



2214 Single polymer sprocket



2224 Double polymer sprocket

D	t	Shaft	Sprocket	A	B	C	Tube			
							Steel Z/P	SS	Aluminium	PVC
Φ50	1.5	Φ12/15	08B14T	17	22	18.5	√	√	√	
Φ50	2.5	Φ12/15	08B14T	17	22	18.5				√
Φ60	2.0	Φ12/15	08B14T	17	22	18.5	√	√	√	

Remark: Φ50、60mm rollers can be fitted with PVC sleeve(2mm).
Φ50mm rollers can be fitted with PU sleeve(2mm).

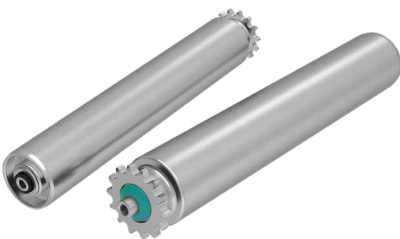


2411



2421

- Circle welding of Steel Sprocket and tube
- High intensity, larger transmit torque
- Polymer bearing housing design, beautiful, quiet
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)



2311

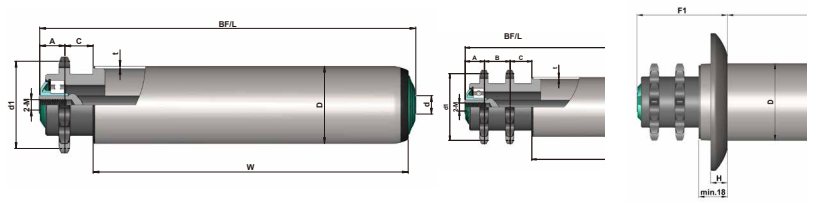


2321

- Circle welding of steel sprocket and tube
- High intensity, larger transmit torque
- Steel bearing housing can be applied in the condition of $-30 \sim +80^{\circ}\text{C}$

2411/2421 Series

Steel Single/Double Sprocket Roller
With polymer bearing housing



2411 Single steel sprocket

2421 Double steel sprocket

Flange

D	t	Shaft	Sprocket	A	B	C	Tube	
							Steel Z/P	SS
Φ50	1.5	Φ12/15	08B14T	17	22	18.5	√	√
Φ50	2.0	Φ12/15	08B14T	17	22	18.5	√	
Φ60	2.0	Φ12/15	08B14T	17	22	18.5	√	√
Φ80	3.0	Φ20	10B15T	18	26	13	√	

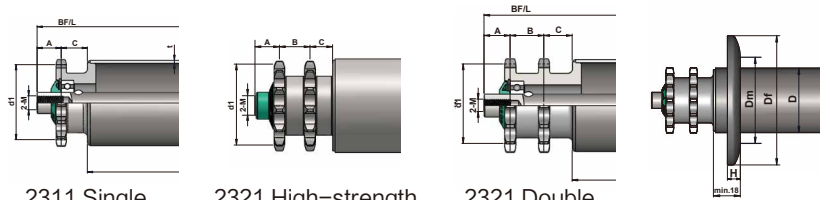
Remark: Φ50、60mm rollers can be fitted with PVC sleeve(2mm).

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

If steel pallets are transported, the risk of wear on roller surface is higher, please contact us in advance.

2311/2321 Series

Steel Single/Double Sprocket Roller
With steel bearing housing



2311 Single steel sprocket

2321 High-strength steel sprocket

2321 Double steel sprocket

Flange

D	t	Shaft	Sprocket	A	B	C	Tube	
							Steel Z/P	SS
Φ50	1.5	Φ12	08B11T	17	22	18.5	√	√
Φ50	2.0	Φ12	08B11T	17	22	18.5	√	
Φ60	2.0	Φ12/15	08B14T	17	22	18.5	√	√
Φ60	3.0	Φ15	08B14T	17	22	18.5	√	
Φ80	3.0	Φ20	10B15T	20	25	18.5	√	
Φ89	3.0	Φ20	10B15T	20	25	18.5	√	
Φ89	4.0	Φ20	10B15T	20	25	18.5	√	

Remark: Φ50、60mm rollers can be fitted with PVC sleeve(2mm).

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

If steel pallets are transported, the risk of wear on roller surface is higher, please contact us in advance.

Flange Type	D	Df	H	Flange Material	
				Carbon steel	Stainless steel
welding	Φ60	Φ120	12	√	√
	Φ80	Φ150	18	√	
	Φ89	Φ150	18	√	

Accumulating conveyor roller series



3214

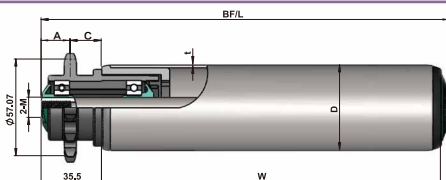


3224

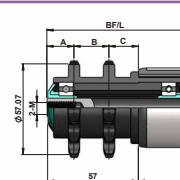
- Polymer sprocket and accumulating sleeve, abrasion resistant and self-lubricating
- Low noise, could switch easily with 2214/2224 series
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)

3214/3224 Series

Polymer Single/Double Sprocket Accumulating Roller



3214 Single polymer sprocket



3224 Double polymer sprocket

D	t	Shaft	Sprocket	A	B	C	Tube		
							Steel Z/P	SS	PVC
Φ50	1.5	Φ12/15	08B14T	17	22	18.5	√	√	
Φ50	2.5	Φ12/15	08B14T	17	22	18.5			√
Φ60	2.0	Φ12/15	08B14T	17	22	18.5	√	√	



3211

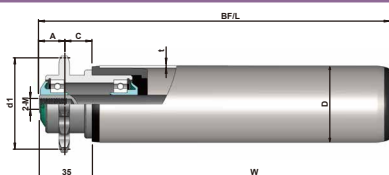


3221

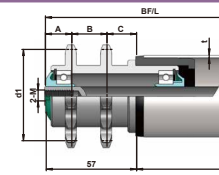
- Size are same as 3214/3224 series
- Steel sprocket is more durable

3211/3221 Series

Steel Single/Double Sprocket Accumulating Roller



3211 Single steel sprocket

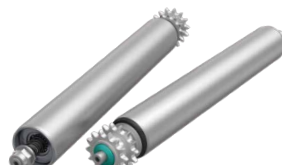


3221 Double steel sprocket

D	t	Shaft	Sprocket	A	B	C	Tube	
							Steel Z/P	SS
Φ50	1.5	Φ12/15	08B14T	17	22	18.5	√	√
Φ60	2.0	Φ12/15	08B14T	17	22	18.5	√	√



3816

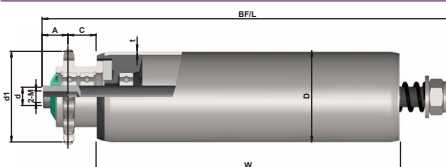


3826

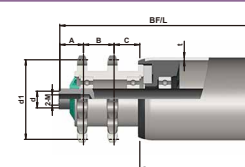
- Special friction slice, well abrasion resistant, long life time
- Adjustable friction, more accurate and steady convey, wide application

3816/3826 Series

Steel Single/Double Sprocket Adjustable Accumulating Roller



3816 Single steel sprocket



3826 Double steel sprocket

D	t	Shaft	Sprocket	A	B	C	Tube	
							Steel Z/P	SS
Φ50	1.5	Φ12	08B11T	17	22	18.5	√	√
Φ60	2.0	Φ15	08B14T	17	22	18.5	√	√

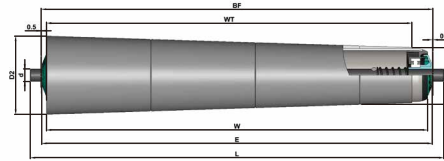
⚠ Please pay attention to the driving force, recommended use of roller guardrail, try best to reduce the frictional resistance between goods and guard bar. Please make a test running on sample machine if user doesn't have a long-term experience.

1600 Series

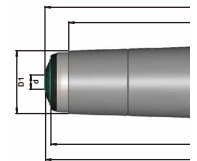
Gravity Tapered Sleeve Roller



- Beautiful, quiet running, easy to clean
- Modular designed PVC sleeve, short delivery time
- Light weight, excellent performance of start-up
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)



Spring loaded



Internal Thread

D	t	Shaft	Taper Length	D1	D2
$\Phi 50$	1.5	11hex, $\Phi 12/15$	295	$\Phi 52.5$	$\Phi 71$
			345	$\Phi 55.6$	$\Phi 77.3$
			395	$\Phi 52.5$	$\Phi 77.3$
			445	$\Phi 55.6$	$\Phi 83.6$
			495	$\Phi 52.5$	$\Phi 83.6$
			545	$\Phi 55.6$	$\Phi 89.9$
			595	$\Phi 52.5$	$\Phi 89.9$
			645	$\Phi 55.6$	$\Phi 96.2$
			695	$\Phi 52.5$	$\Phi 96.2$
			745	$\Phi 55.6$	$\Phi 102.5$
			795	$\Phi 52.5$	$\Phi 102.5$
			845	$\Phi 55.6$	$\Phi 108.8$
			895	$\Phi 52.5$	$\Phi 108.8$

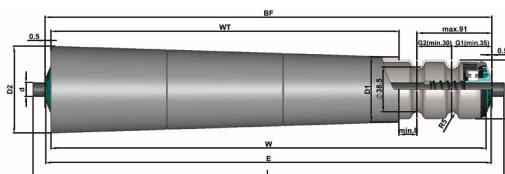
Remark: 1. Steel Z/P and SS tubes are available.
2. Anti-static taper sleeve (black) available.
3. The taper sleeve length dimension (WT) is not accurate.

2640 Series

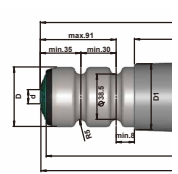
Double Grooved Tapered Sleeve Roller



- O-belt drive, grooves position customized
- Quiet running, shockproof and well abrasion resistant
- Light weight, easy start-up
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)



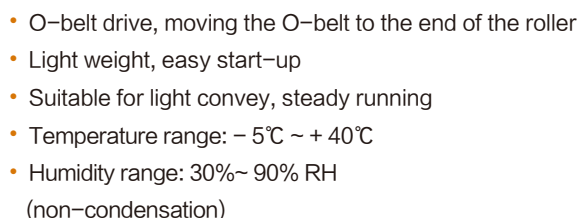
Spring loaded



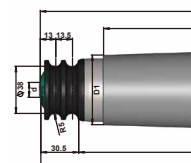
Internal Thread

D	t	Shaft	Taper Length	D1	D2
$\Phi 50$	1.5	11hex, $\Phi 12/15$	295	$\Phi 52.5$	$\Phi 71$
			345	$\Phi 55.6$	$\Phi 77.3$
			395	$\Phi 52.5$	$\Phi 77.3$
			445	$\Phi 55.6$	$\Phi 83.6$
			495	$\Phi 52.5$	$\Phi 83.6$
			545	$\Phi 55.6$	$\Phi 89.9$
			595	$\Phi 52.5$	$\Phi 89.9$
			645	$\Phi 55.6$	$\Phi 96.2$
			695	$\Phi 52.5$	$\Phi 96.2$
			745	$\Phi 55.6$	$\Phi 102.5$
			795	$\Phi 52.5$	$\Phi 102.5$
			845	$\Phi 55.6$	$\Phi 108.8$
			895	$\Phi 52.5$	$\Phi 108.8$

Remark: 1. Steel Z/P and SS tubes are available.
2. Anti-static taper sleeve (black) available.
3. The taper sleeve length dimension (WT) is not accurate.



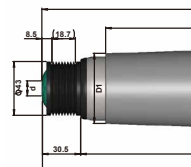
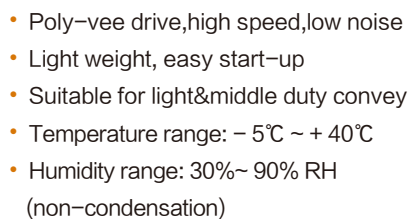
O-Belt Wheel Tapered Sleeve Roller



Internal Thread

Remark: 1.Steel Z/P and SS tubes are available.
2.Anti-static taper sleeve (black) available.
3.The taper sleeve length dimension (WT) is not accurate.

Poly-Vee Tapered Sleeve Roller



Internal Thread

Remark: 1.Steel Z/P and SS tubes are available.
2.Anti-static taper sleeve (black) available.
3.The taper sleeve length dimension (WT) is not accurate.

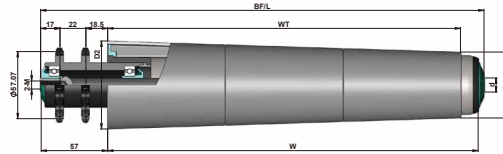
 Please choose the steel Poly-Vee roller when you must use 4PJ belt.

2624 Series

Polymer Sprocket
Tapered Sleeve Roller



- Polymer sprocket, self-lubricating and maintenance-free
- Light weight, easy start-up
- Suitable for low-load convey
- Temperature range: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Humidity range: 30%~ 90% RH (non-condensation)

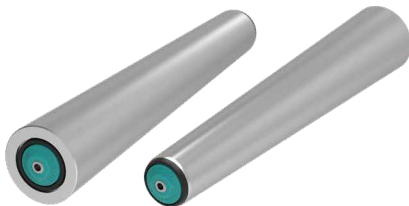


D	t	Shaft	Taper Length	D1	D2
$\Phi 50$	1.5	$\Phi 12/15$	295	$\Phi 52.5$	$\Phi 71$
			345	$\Phi 55.6$	$\Phi 77.3$
			395	$\Phi 52.5$	$\Phi 77.3$
			445	$\Phi 55.6$	$\Phi 83.6$
			495	$\Phi 52.5$	$\Phi 83.6$
			545	$\Phi 55.6$	$\Phi 89.9$
			595	$\Phi 52.5$	$\Phi 89.9$
			645	$\Phi 55.6$	$\Phi 96.2$
			695	$\Phi 52.5$	$\Phi 96.2$
			745	$\Phi 55.6$	$\Phi 102.5$
			795	$\Phi 52.5$	$\Phi 102.5$
			845	$\Phi 55.6$	$\Phi 108.8$
			895	$\Phi 52.5$	$\Phi 108.8$

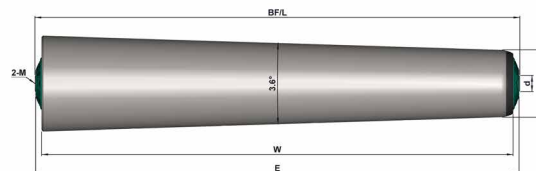
Remark: 1. Steel Z/P and SS tubes are available.
2. Anti-static taper sleeve (black) available.
3. The taper sleeve length dimension (WT) is not accurate.

1500 Series

Gravity Steel Tapered Roller



- All-steel tapered tube
- Polyamide bearing housing, end cap design
- Artistic, quiet operation



D	t	Shaft	Tube	
			Steel Z/P	SS
$\Phi 50$	2.0	$\Phi 12/15$	√	√

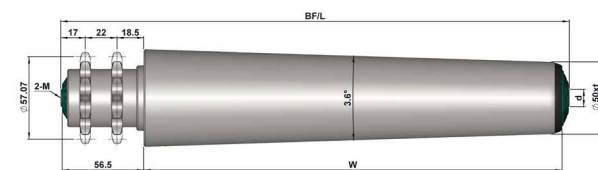
Remark: If used in high and low temperature or special environment, please specify clearly.

2521 Series

Sprocket Steel Tapered Roller



- All-steel tapered tube
- Welding steel sprocket
- Sturdy, durable



D	t	Shaft	Sprocket	Tube	
				Steel Z/P	SS
$\Phi 50$	2.0	$\Phi 12/15$	08B14T	√	√

Remark: If used in high and low temperature or special environment, please specify clearly.



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so for the newest product informations, pls refer to the official website.**