



CONVEYOR ROLLER

PRODUCTS OVERVIEW

About Damon Industry



GLOBAL LEADING MANUFACTURER OF CONVEYOR ROLLERS

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

Zhejiang Damon Industry Equipment Co. Ltd, since its establishment in 1997, has always been committed to providing the highest quality conveyor rollers and services for a wide range of industries.

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.

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.

Damon Industry has manufacturing bases in Asia, Europe, America and Australia, and providing customers a wide range of services such as Localized manufacturing, sales and service.

With a strong global presents, Damon Industry will continue to expand and pursue a greater market share. From introducing the complete information based ERP management system to the independent research and development of the online roller dimensional drawing system service and then launched industrial's first functional APP, we are viewing our market from a brand new perspective and are pleased to share our ideas of quality and innovation with every customer.

Damon Industry was awarded "The Most Innovative Brand" in the industry of Chinese logistics equipment. Damon Industry was also selected for the "Chinese Green Warehousing and Distribution Technology & Equipment" recommended directory. We will always focus on supplying outstanding conveyor roller solutions to local and global customers.

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	1900	1100	1200	1800
Diameter	Φ20/25/30 Φ38/50/60	Φ18/25/38 Φ50/60	Φ38/48/50 Φ60/80	Φ38/50/60 Φ76/80/89

Driven conveyor roller series

04-06



Series	2230/2240	2260	2250	2280	2214/2224	2411/2421	2311/2321
Diameter	Φ48/50/60	Φ50	Φ48/50	Φ50	Φ50/60	Φ50/60/80	Φ50/60 Φ76/80/89

Accumulating conveyor roller series

07



Series	3214/3224	3211/3221	3816/3826
Diameter	Φ50/60	Φ50/60	Φ50/60/76

Curve conveyor roller series

08-10



Series	1600	2640	2660	2650	2624	1500	2521
Diameter	Φ52.9/56	Φ52.9/56	Φ52.9/56	Φ52.9/56	Φ52.9/56	Φ50	Φ50

DC24V MDR (PULSEROLLER) series

12-13



Series	DPR					
Diameter	Φ50 (Φ48/ 57/ 60/76 are available)					

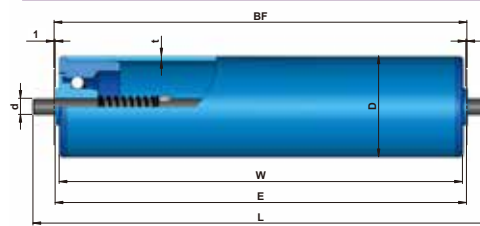
Gravity Conveyor Roller Series



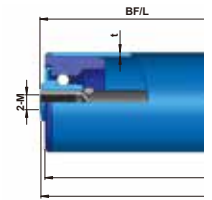
- Polymer ball bearing
- PVC tube, with good chemical stability
- Very light and smoothly running, suitable for light duty load

1900 Series

Light Duty Conveyor Roller



Spring loaded



Internal Thread

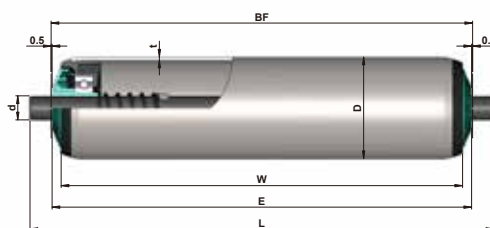
D	t	Shaft	Tube	
			PVC	
Φ20	1.1	Φ6	√	
Φ25	1.8	Φ8	√	
Φ30	1.8	Φ8	√	
Φ38	2.0	Φ8	√	
Φ50	2.5	Φ8/10/12	√	
Φ60	3.0	Φ12	√	

1200 Series

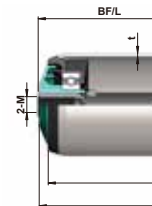
Universal Conveyor Roller



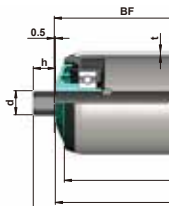
- Design of polymer bearing housing and end cap
- Beautiful, quiet operation
- Max speed up to 120m/min
- Suitable for belt carrying roller(anti-static version)



Spring loaded



Internal Thread



Milled Flats

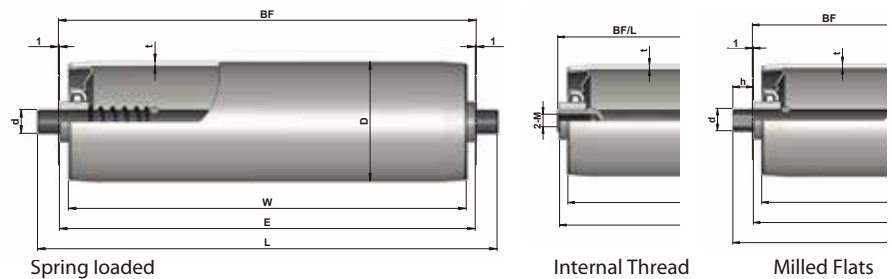
D	t	Shaft	Tube			
			Steel Z/P	SS	Aluminium	PVC
Φ38	1.2	11hex, Φ8/10/12	√	√		
Φ48.6	1.5	11hex, Φ10/12	√	√		
Φ50	1.5	11hex, Φ8/10/12/15/17	√	√	√	
Φ50	2.0	11hex, Φ8/10/12/15	√			
Φ50	2.5	11hex, Φ8/10/12/15				√
Φ60	2.0	11hex, Φ10/12/15	√	√	√	
Φ60	3.0	Φ17	√			
Φ80	3.0	Φ20	√			

Remark: 2mm PVC sleeve for Φ50 tube.



1100 Series

Light/Medium Duty Conveyor Roller



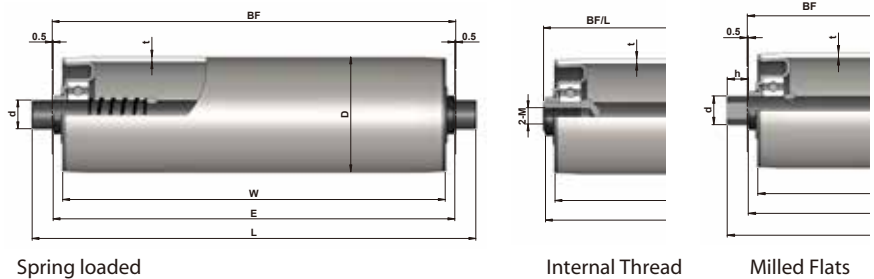
- Special semi-precision bearing housing
- Suitable for gravity or gliding conveyor

D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ18	1.0	Φ6	√		
Φ25	1.0	Φ6/8	√		√
Φ38	1.2	Φ12	√	√	
Φ50	1.5	Φ8/12	√	√	√
Φ60	2.0	Φ12	√	√	√

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

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 -20~80°C

D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ38	1.2	Φ12	√	√	
Φ38	1.5	Φ12			√
Φ50	1.5	Φ12/15	√	√	√
Φ50	2.0	Φ12/15	√		
Φ60	2.0	Φ12/15/20	√	√	√
Φ60	3.0	Φ15/17	√		
Φ76	3.0	Φ15/20	√	√	√
Φ76	4.0	Φ20	√		
Φ80	3.0	Φ20	√		
Φ80	4.0	Φ20			√
Φ89	3.0	Φ20	√		
Φ89	4.0	Φ20	√		

Remark: 2mm PVC sleeve for Φ50 tube.

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

Driven Conveyor Roller Series



2230



2240

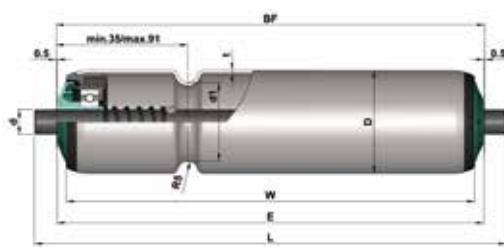
- Simple structure, groove position customized
- Quiet operation, Standard anti-static design
- Application for light & middle duty



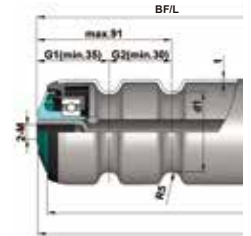
- The end driven, more stabilized conveying
- Based on 1200 series design, beautiful, quiet operation
- Application for light & middle duty

2230/2240 Series

Single/Double Grooved O-Belt Conveyor Roller



Spring loaded



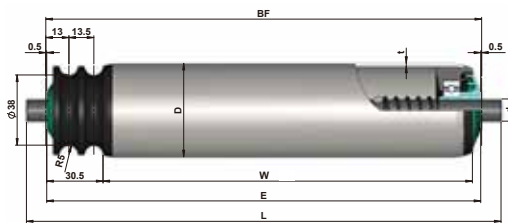
Internal Thread

D	t	Shaft	Tube	
			Steel Z/P	SS
Φ48.6	1.5	11hex, Φ10/12/15	√	√
Φ50	1.5	11hex, Φ8/10/12/15	√	√
Φ60	2.0	11hex, Φ10/12/15	√	√

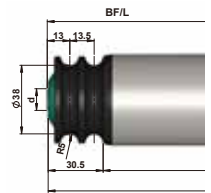
Remark: 2mm PVC sleeve for Φ50/60 tube.

2260 Series

Double Groove O-Belt Pulley Conveyor Roller



Spring loaded



Internal Thread

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

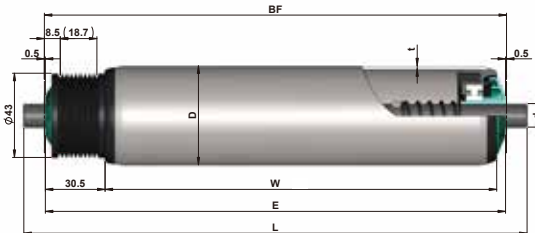
Remark: 2mm PVC sleeve for Φ50 tube.

2250 Series

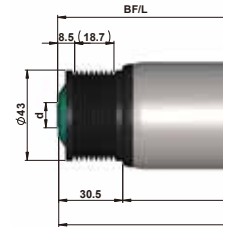
Poly-Vee Conveyor Roller



- Quiet operation, higher transport efficiency
- 9 V-grooves, more options of PJ poly-Vee belt
- Application for middle & high speed, light & middle duty



Spring loaded



Internal Thread

D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ48.6	1.5	11hex, Φ10/12/15	√	√	
Φ50	1.5	11hex, Φ10/12/15	√	√	√

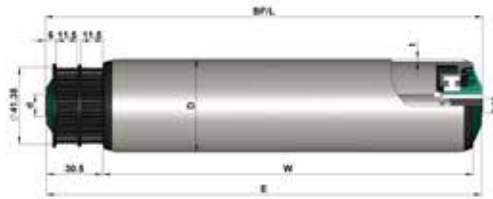
Remark: 2mm PVC sleeve for Φ50 tube.

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.



D	t	Shaft	Tube		
			Steel Z/P	SS	Aluminium
Φ50	1.5	Φ12/15	√	√	√

Remark: 2mm PVC sleeve for Φ50 tube.

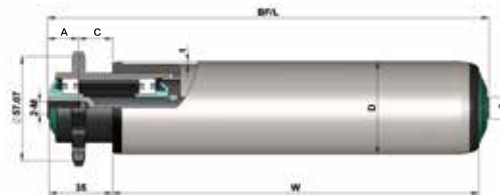
2214/2224 Series

Polymer Single/Double Sprocket Conveyor Roller

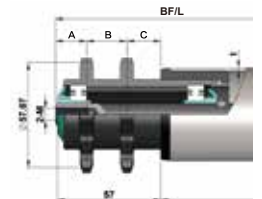


2214

2224



2214 Single polymer sprocket



2224 Double polymer sprocket

- Polymer sprocket design, lighter and quieter
- Self-lubricating with steel chain, completely free of maintenance
- Suitable for light, middle duty convey

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: 2mm PVC sleeve for Φ50/60 tube.

Driven conveyor roller series



2411

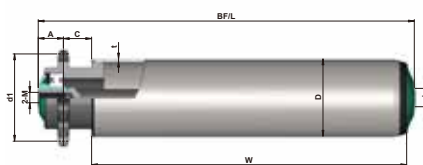


2421

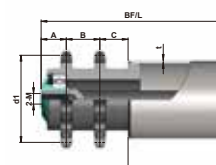
- Circle welding of Steel Sprocket and tube
- High intensity, larger transmit torque
- Polymer bearing housing design, beautiful, quiet

2411/2421 Series

Steel Single/Double Sprocket Roller
With polymer bearing housing



2411 Single steel sprocket



2421 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	√	√
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	√	

2311/2321 Series

Steel Single/Double Sprocket Roller
With steel bearing housing

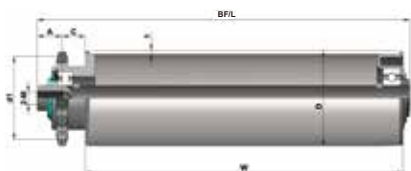


2311

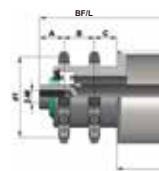


2321

- Circle welding of steel sprocket and tube
- High intensity, larger transmit torque
- Steel bearing housing can be applied in the condition of -20~80 C



2311 Single 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	√	
Φ76	3.0	Φ15/20	10A13T	17	22	18.5	√	√
Φ76	4.0	Φ20	10A13T	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	√	

Flange

Type	D	Df	H
welding	Φ60	Φ120	12
	Φ76	Φ135	16.5
	Φ80	Φ150	18
	Φ89	Φ150	18
locked	Φ76	Φ138/195	23

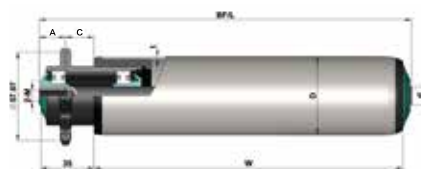


3214

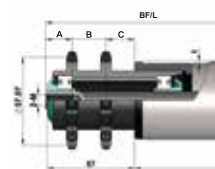
3224

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	√	√	

- Polymer sprocket and accumulating sleeve, abrasion resistant and self-lubricating
- Low noise, could switch easily with 2214/2224 series

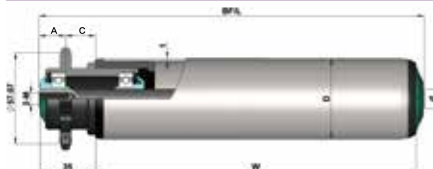


3211

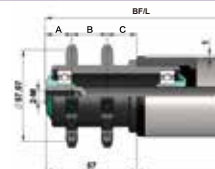
3221

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	√	√

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

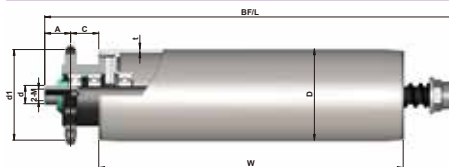


3816

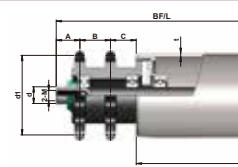
3826

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	Φ12/15	08B14T	17	22	18.5	√	√
Φ76	3.0	Φ20	10A13T	17	22	18.5	√	√

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

Curve Conveyor Roller Series

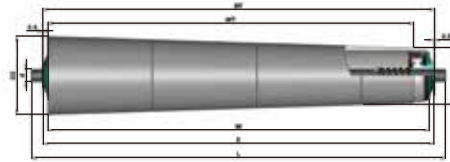
Polymer Taper Roller



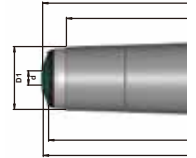
- Beautiful, quiet running, easy to clean
- Modular designed PVC sleeve, short delivery time
- Light weight, excellent performance of start-up

1600 Series

Gravity Tapered Sleeve Roller



Spring loaded



Internal Thread

D	t	Shaft	Taper Length	D1	D2
Φ 50	1.5	11hex, Φ12/15	300	Φ56	Φ74.9
			350	Φ52.9	Φ74.9
			400	Φ56	Φ81.1
			450	Φ52.9	Φ81.1
			500	Φ56	Φ87.4
			550	Φ52.9	Φ87.4
			600	Φ56	Φ93.7
			650	Φ52.9	Φ93.7
			700	Φ56	Φ100
			750	Φ52.9	Φ100
			800	Φ56	Φ106.3
850	Φ52.9	Φ106.3			

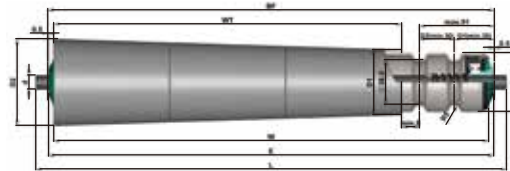
Remark: Steel Z/P and SS tubes are available.

2640 Series

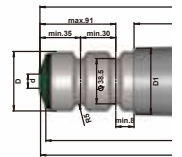
Double Grooved Tapered Sleeve Roller



- O-belt drive, grooves position customized
- Quiet running, shockproof and well abrasion resistant
- Light weight, easy start-up



Spring loaded



Internal Thread

D	t	Shaft	Taper Length	D1	D2
Φ 50	1.5	11hex, Φ12/15	300	Φ56	Φ74.9
			350	Φ52.9	Φ74.9
			400	Φ56	Φ81.1
			450	Φ52.9	Φ81.1
			500	Φ56	Φ87.4
			550	Φ52.9	Φ87.4
			600	Φ56	Φ93.7
			650	Φ52.9	Φ93.7
			700	Φ56	Φ100
			750	Φ52.9	Φ100
			800	Φ56	Φ106.3
850	Φ52.9	Φ106.3			

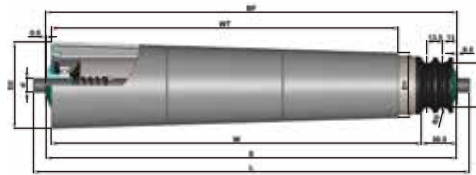
Remark: Steel Z/P and SS tubes are available.



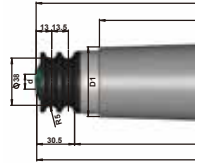
- O-belt drive, moving the O-belt to the end of the roller
- Light weight, easy start-up
- Suitable for light convey, steady running

2660 Series

O-Belt Wheel Tapered Sleeve Roller



Spring loaded



Internal Thread

D	t	Shaft	Taper Length	D1	D2
Φ 50	1.5	11hex, Φ12/15	300	Φ56	Φ74.9
			350	Φ52.9	Φ74.9
			400	Φ56	Φ81.1
			450	Φ52.9	Φ81.1
			500	Φ56	Φ87.4
			550	Φ52.9	Φ87.4
			600	Φ56	Φ93.7
			650	Φ52.9	Φ93.7
			700	Φ56	Φ100
			750	Φ52.9	Φ100
			800	Φ56	Φ106.3
850	Φ52.9	Φ106.3			

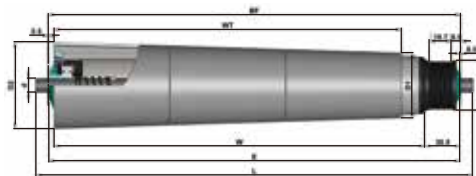
Remark: Steel Z/P and SS tubes are available.



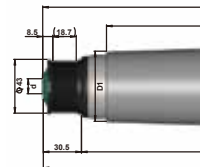
- Poly-vee drive, high speed, low noise
- Light weight, easy start-up
- Suitable for light&middle duty convey

2650 Series

Poly-Vee Tapered Sleeve Roller



Spring loaded



Internal Thread

D	t	Shaft	Taper Length	D1	D2
Φ 50	1.5	11hex, Φ12/15	300	Φ56	Φ74.9
			350	Φ52.9	Φ74.9
			400	Φ56	Φ81.1
			450	Φ52.9	Φ81.1
			500	Φ56	Φ87.4
			550	Φ52.9	Φ87.4
			600	Φ56	Φ93.7
			650	Φ52.9	Φ93.7
			700	Φ56	Φ100
			750	Φ52.9	Φ100
			800	Φ56	Φ106.3
850	Φ52.9	Φ106.3			

Remark: Steel Z/P and SS tubes are available.

Adjustable Foot

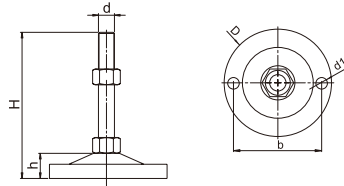


BJ-16

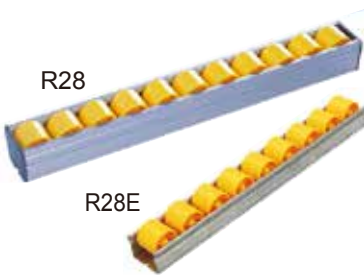


BF-20

Series	d	D	H	h	b	d1	Load (kg)
BJ-16	M16	68	148	14	/	/	140
BF-20	M20	120	162	25	98	12	300



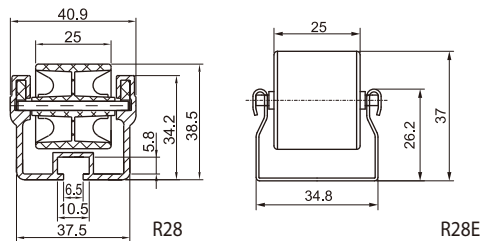
Floway Wheel Track



R28

R28E

Series	Frame	Wheel	Wheel pitch (mm)	Load(kg)
R28	Aluminum	pp	30/45	12.5
R28E	Steel, Z/P	pp	33	12.5



Ball Transfer

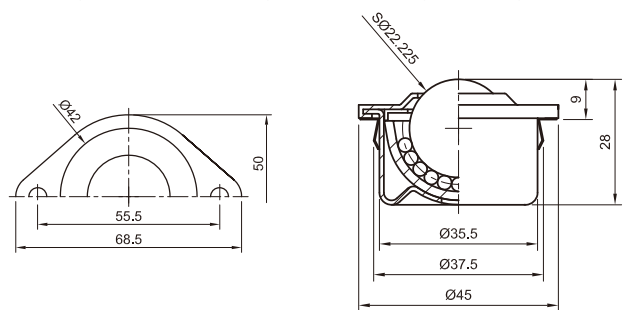


WA-01-A



WC-02

Series	Body & Surface	Ball material	Static load(kg)	Dynamic load(kg)
WA-01-A	Steel, Zinc-plated	Q235	25	30
WC-02	Steel, Zinc-plated	Q235	40	50



Skate Wheel

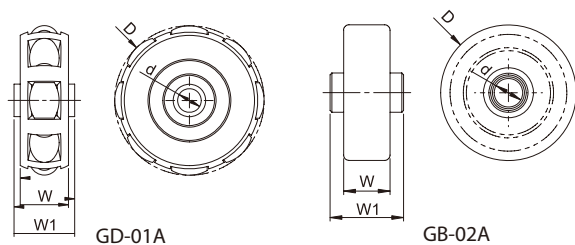


GD-01A



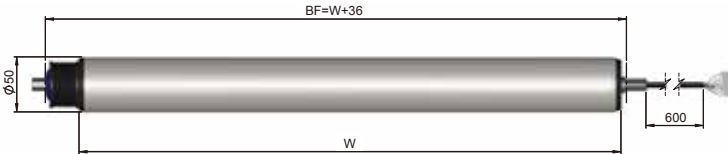
GB-02A

Series	Material	d	D	W	W1	Static load (kg)	Dynamic load (kg)
GD-01A-8	POM+PA6	Φ8.3	Φ51	16.7	20.5	8	10
GB-02A-8	Steel, Z/P	Φ8.1	Φ49.3	14.5	20.6	8	15



DC24V MDR (PULSEROLLER) Series

Light and middle duty application
(Main for Carton&Plastic Box Handling)



- Higher torque, able to handle up to 500kg (double sprocket drive) goods per zone.
- Lower energy consumption, lower more than 10% by new technology.
- Wide speed, range up to 2-30m/min with $\phi 50$.
- Easier control, 4 types of drive cards to meet the intelligent performance.

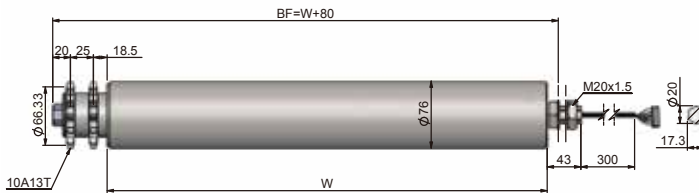
Dia: $\phi 50$ mm($\phi 48.6, \phi 57$ and $\phi 60.5$ are available)

Speed Code	Gearbox	ECO-mode					BOOST-mode				
		Speed (m/min)	Torque (N·M)		Tangential force(N)		Speed (m/min)	Torque(N·M)		Tangential force(N)	
			Rated	Starting	Rated	Starting		Rated	Starting	Rated	Starting
15	3stage	2.0 - 20.3	2.97	16.39	118.8	655.7	2.0 - 14.7	5.40	21.37	216.0	855.0
20		2.7 - 27.7	2.17	12.00	86.9	480.0	2.7 - 20.0	3.95	15.64	158.1	625.8
25		3.4 - 33.8	1.78	9.83	71.2	393.4	3.4 - 24.4	3.24	12.82	129.6	513.0
35	2stage	4.9 - 49.9	1.20	6.66	48.3	266.6	4.9 - 36.1	2.19	8.69	87.8	347.7
45		6.0 - 60.8	0.99	5.46	39.6	218.5	6.0 - 44.0	1.80	7.12	72.0	285.0
60		8.2 - 83.1	0.72	4.00	28.9	160.0	8.2 - 60.1	1.31	5.21	52.7	208.6
75	1stage	10.1 - 101.4	0.59	3.27	23.7	131.1	10.1 - 73.3	1.08	4.27	43.2	171.0
95		13.3 - 133.8	0.44	2.48	17.9	99.3	13.3 - 96.8	0.81	3.23	32.7	129.5
125		18.1 - 182.5	0.33	1.82	13.2	72.8	18.1 - 131.9	0.60	2.37	24.0	95.0
175	1stage	24.7 - 249.3	0.24	1.33	9.6	53.3	24.7 - 180.3	0.43	1.73	17.5	69.5
215		30.2 - 304.1	0.19	1.09	7.9	43.7	30.2 - 219.5	0.36	1.42	14.4	57.0

Remark: ECO-Mode: the rated current is **2.5A**, the starting current is **3.0A**.

BOOST-Mode: the rated current is **3.5A**, the starting current is **5.0A**.

Heavy duty application
(Main for Pallet Handling)



- Space saving, simply design, easy to install.
- High torque, handle the wooden pallet up to 1400kg
- Integrated soft start/stop speed control to ensure stable running.

BOOST-8 mode							
Speed Code	Speed (m/min)	Torque(N · M)		Tangential force(N)		Current(A)	
		Rated	Starting	Rated	Starting	Rated	Starting
8	1.5-11.0	10.9	49.3	287.2	1292.7	3.5	8.0
10	2.1-15.0	8.0	36.1	210.6	948.0		
15	3.1-22.4	5.4	24.3	141.5	636.9		
20	4.2-30.6	3.9	17.7	103.6	466.2		

Remark: Equipped with EZ-24HTB drive card.

Drive Card



EQUBE-P Drive Card

- Run/Stop, CW/CCW
- Dip Switch and Remote adjust speed
- Set Acceleration/Deceleration
- Small volume, Space-saving, Dynamic braking
- Over-Current, Over-Heat protect

⚙️ NPN drive card: EQube-N is optional.



EZQUBE-P Drive Card

- Have all the functions of basic type
- More speed regulation
- Support Eco & Boost operating mode
- Speed feedback
- Four electronic braking modes

⚙️ EZQUBE-P is equipped with Pallet Handling MDR.



EZ-24 HTB Drive Card

- Driving Pallet Motor Roller



IQZonz Drive Card

- ZPA logic Built in installation
- Modular port ,Quick setting
- Simple parameter
- RJ.45 Ethernet communication



ConveyLinX Drive Card

- Drive two MDRS
- Look Ahead, Flex zone recognition
- Automatic Data Tacking, Jam Auto-clear
- Data back up&restore
- Status monitoring
- Support PROFINET, ETHERNET IP, MODBUS TCP

⚙️ ConveyLinX HTF is equipped with Pallet Handling MDR.



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