



Belt Conveyor Pulley

Products Overview

www.damonroller.com

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Damon
Industry
德马工业

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.

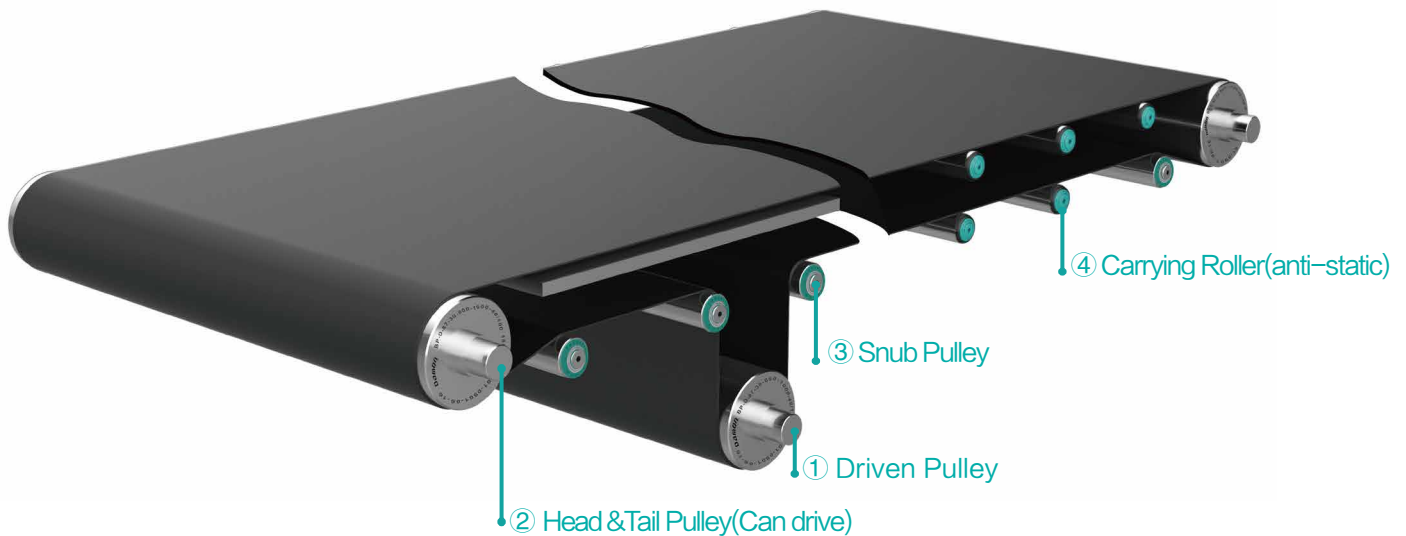
Damon Industry conveyor rollers are used in a variety of industries including food distribution, pharmacy, tobacco, clothing, postal express, logistics and distribution, manufacturing, rubber and airport industries. Damon Industry provides a vast range of reliable and innovative roller solutions. Our 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".

Belt Conveyor Pulley One Station Solution



Through high intensity welding and precise processing craft, Damon Industry devote itself to offer you standardized belt-conveyor roller series with high intensity and quality. We could provide you one-stop solution for belt conveyor rollers, including carrier, head to tail roller, driven roller and tension roller.

① Driven Pulley:

Main driving component for centre drive belt conveyors:

Select BP-D series pulley (rotating shaft).

② Head & Tail Pulley:

Installed at each end of a belt conveyor according to the different drive type and structure:

a、Centre drive:

Change the belt direction: Select BP-R series pulley (fixed shaft) or DP-D series pulley (rotating shaft)

b、Head or Tail drive:

Drive Pulley: Select BP-D series pulley (rotating shaft)

Idler Pulley: Select BP-R series pulley (fixed shaft) or BP-D series pulley (rotating shaft).

③ Snub Pulley:

Used to increase the belt wrap angle for the driven pulley, tension and tracking the belt.

Select BP-R series pulley (fixed shaft) or 1200 series conveyor roller.

Be careful about the belt tensioning and siding force when using as redirection & tensioning.

④ Carrying Roller:

Used to support the belt, simplify structure and reduce friction:

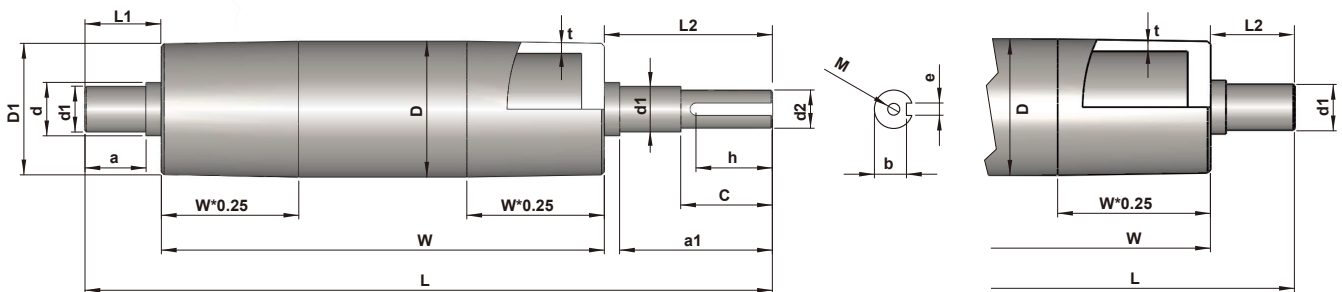
Select 1200 series conveyor roller.

BP-D Series Pulley (Rotating Shaft)



- Thermal refining shaft
- Special welding equipment and technology
- New structure, strong and reliable

Dimensions(Steel Z/P)



Specifications

Series	Standard				Optional	Length		
	Tube dia. (D)	Tube (t)	shaft dia. (d1)	Drum (D1)	Optional shaft dia.(d1)	W	L	L1/L2
06C	Φ59	(4.5)	Φ25	Φ58	Φ20	250~1300	≤1500	≤280
08K	Φ75	(4.5)	Φ30	Φ74	Φ25	250~1300	≤1500	≤280
					Φ35			≤185
08J	Φ87	(4.5)	Φ30	Φ85.6	Φ25	250~1300	≤1500	≤280
					Φ35			≤185
10B	Φ100	(6.0)	Φ30	Φ98	Φ25	250~1400	≤1600	≤280
					Φ35			≤185
11D	Φ112	(6.0)	Φ35	Φ110	Φ30	250~1400	≤1600	≤280
					Φ40			≤185, When ≥ Φ40, ≤140
12A	Φ119	(6.0)	Φ35	Φ117	Φ40	250~1400	≤1600	≤185, When ≥ Φ40, ≤140
13C	Φ130	(6.5)	Φ35	Φ127	Φ40	70~1800	≤2400	≤300
14K	Φ137	(6.5)	Φ35	Φ135	Φ40	70~1800	≤2400	≤300
15J	Φ156	(6.5)	Φ35	Φ153	Φ40	70~1800	≤2400	≤300
18K	Φ176	(8.0)	Φ40	Φ173	Φ45	70~1800	≤2400	≤300
20C	Φ200	(6.5)	Φ45	Φ196	Φ50/55	70~1800	≤2400	≤300
21J	Φ216	(8.5)	Φ50	Φ212	Φ55	70~1800	≤2400	≤300

⚙ Straight tube is available—not tapered ; “(t)” is not accurate data.

If there is dynamic balance requirement for products, please contact us.

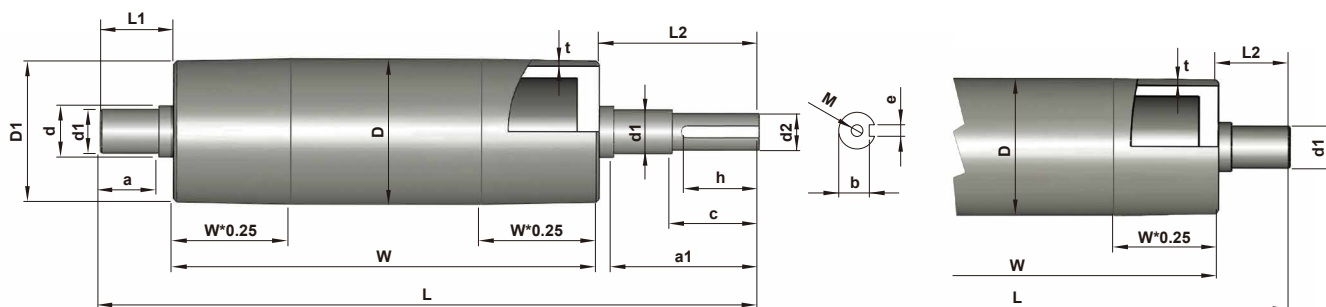
Surface treatment: zinc plated or anti-rust oil

Precaution of broken shaft: when installed by shaft through the motor, the torque that the shaft takes is quite big, please pay attention to the actual torque output and installation detail, otherwise, the shaft will break. Please contact us for details.

Precaution of abrasion of the shaft: 1, please install the bearing with frame, and make sure the screw is fastened.

2, Machine flat surfaces on both sides of the shaft, so as that the screws can reach the surfaces and thus be fastened.

Dimensions(Surface Polyurethane-PU)



Specifications

Standard configuration					Optional	Length		
Series	After PU coating (D)	PU layer thickness (t)	shaft dia. (d1)	Drum (D1)	Optional shaft dia.(d1)	W	L	L1/L2
08J	Φ87	(6.0)	Φ30	Φ85.6	Φ25	250~1400	≤1600	≤280
					Φ35			≤185
10B	Φ100	(6.5)	Φ30	Φ98	Φ25	250~1400	≤1600	≤280
					Φ35			≤185
11D	Φ112	(6.0)	Φ35	Φ110	Φ30	250~1400	≤1600	≤280
					Φ40			≤185, When ≥ Φ40, ≤140
12A	Φ122	(5.0)	Φ35	Φ120	Φ40	250~1400	≤1600	≤185, When ≥ Φ40, ≤140
13C	Φ130	(5.5)	Φ35	Φ127	Φ40	250~1400	≤1600	≤185, When ≥ Φ40, ≤140
15J	Φ156	(6.0)	Φ35	Φ153	Φ40	70~1800	≤2400	≤300
18K	Φ176	(5.0)	Φ40	Φ173	Φ45	70~1800	≤2400	≤300
20C	Φ202	(5.0)	Φ45	Φ199	Φ50/55	70~1800	≤2400	≤300
21J	Φ216	(7.5)	Φ50	Φ212	Φ55	70~1800	≤2400	≤300

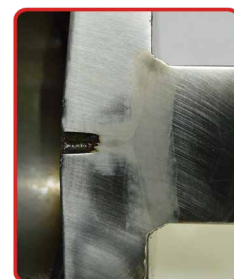
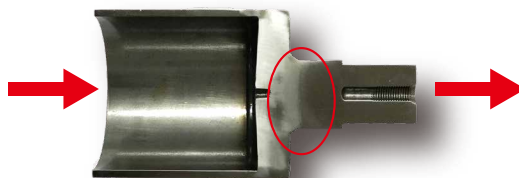
⚙ Straight tube is available—not tapered ; “(t)” is not accurate data.

Polyurethane (PU)color-yellow

(If the pulley length is out of above, please contact us.)

Precaution of broken shaft: when installed by shaft through the motor, the torque that the shaft takes is quite big, please pay attention to the actual torque output and installation detail, otherwise, the shaft will break. Please contact us for details.

Precaution of abrasion of the shaft: 1, please install the bearier with frame, and make sure the screw is fastened.
2, Machine flat surfaces on both sides of the shaft, so as that the screws can reach the surfaces and thus be fastened.

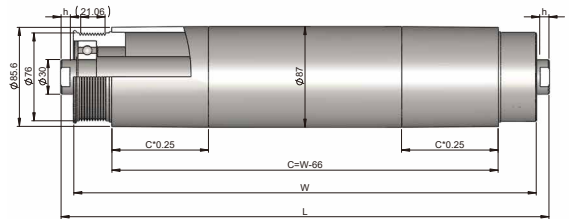
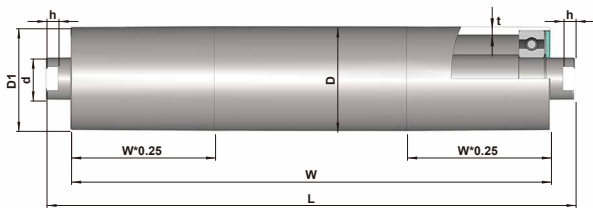


BP-R Series Pulley (Fixed Shaft)



- Configured with precision bearings
- Precision machining, smooth rotation
- High load capacity, reliable and durable.

Dimensions(Steel Z/P)



Usually used for climbing belt conveyor

Specifications

Series	Tube dia. (D)	Tube (t)	Standard			Length			Remarks
			shaft dia. (d)	Bearing type	Drum (D1)	W	L	Shaft unilateral outcrop	
05D	Φ51	(3.0)	Φ20	6204	/	450~1300	≤1500	≤100	
06C	Φ59	(4.5)	Φ25	6205	Φ58	70~1300	≤1500	≤100	
07C	Φ69	(6.0)	Φ30	6206	Φ68	70~1300	≤1600	≤150	
08K	Φ75	(4.5)	Φ25	6005	Φ74	120~1300	≤1500	≤100	
08C	Φ79	(4.5)	Φ25	6005	Φ77.6	120~1300	≤1500	≤100	
08J	Φ87	(4.5)	Φ25	6205	Φ85.6	120~1300	≤1500	≤100	
10B	Φ100	(6.0)	Φ30	6306	Φ98	120~1800	≤2100	≤150	
11D	Φ112	(6.0)	Φ30	6306	Φ110	120~1800	≤2100	≤150	
			Φ35	6307					
12A	Φ119	(6.0)	Φ30	6306	Φ117	120~1800	≤2100	≤150	
08J	Φ87	(4.5)	Φ30	6206	Φ85.6	180~1300	≤1600	≤150	Steel Poly-vee

⚙ Straight tube is available—not tapered ; “(t)” is not accurate data.

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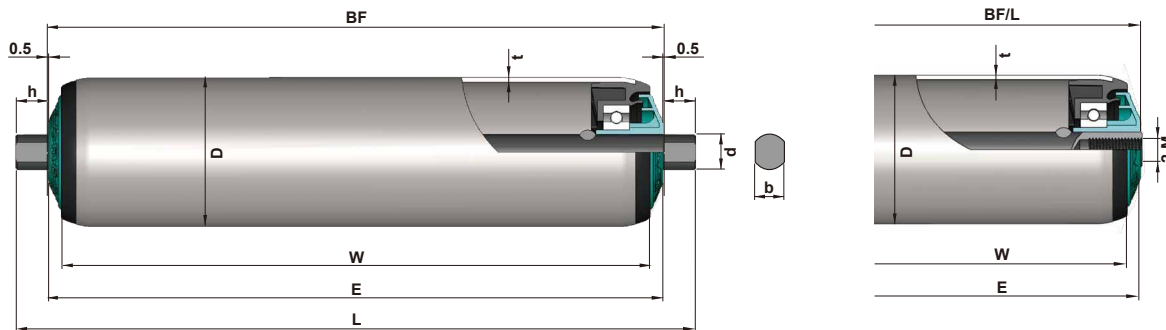
Surface treatment: zinc plated or anti-rust oil

1200 Series Conveyor Roller



- Configured with polymer bearing housing and end cap
- Nice appearance, quiet running
- Optional for tubes and installations
- Anti-static is standard

Dimensions



Specifications

Tube dia. (D)	Standard Shaft Dia(d)	Dimension relation		Surface treatment	Recommended application location
		BF	L		
Φ50	Φ12/15	$BF=W+10$	$L=W+31$	Steel Z/P	4
	Φ17	$BF=W+10$	$L=W+31$	SS	3&4
Φ60	Φ12/15	$BF=W+10$	$L=W+31$	Steel Z/P	4
	Φ17	$BF=W+10$	$L=W+31$	SS	3&4
Φ76	Φ20	$BF=W+12$	$L=W+41$	Steel Z/P	3&4
Φ80	Φ20	$BF=W+12$	$L=W+41$	Steel Z/P	3&4

⚠ Be careful about the belt tensioning and siding force when using as redirection & tensioning.



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