



Damon Industry

Products Overview

www.damonroller.com

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The World's Leading One-Stop Supplier of Conveyor Rollers & Solutions



Overseas

USA/Cincinnati
Europe/Romania
Australia/Melbourne
Japan/Hyogo
Turkey/Istanbul



China

Zhejiang/Huzhou



Conveyor Roller Series



MDR Series

1997.11

Company Founded



2012.3

Introduced Foreign Technology
Local-production of DC24V
Motorized Driven Rollers



2004.4

Australian Factory Established



2015.5

Switch To D

Every year, millions of Damon Industry rollers operate on thousands of kilometers of conveyor lines across various industries.



Pharmaceuticals



New Energy



E-commerce / Express



Manufacturing



Food & Beverage



Airport



Tobacco



Rubber Tire



Belt Conveyor Pulley Series

Brake Roller Series

2016.8

Romanian Factory
Established



2022.2

Excellent Roller Manufacturing
Plant Operation



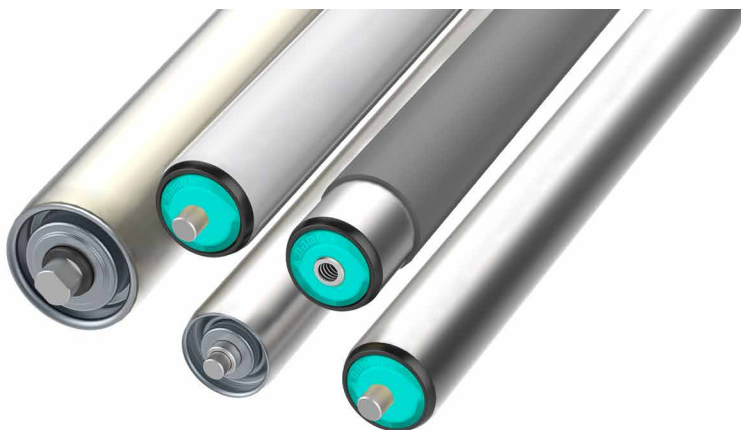
Damon Green

2020.6

Listed on the Science and Technology
Innovation Board (STAR Market)



Gravity Conveyor Roller



Universal Gravity-Roller/Roller Chute, And Flat Belt-Driven Applications

- Light Running Type With Minimal Starting Force Only 12g
- Quiet Running In High Speed Type
- Anti-static As Standard (Except PVC)

End Housing	Series	Tube Dia.	T	Shaft Dia.	Tube				Product Features
					Steel, Zinc-plated	Stainless Steel	Aluminium	PVC	
	1900	Φ20	1.1	Φ6				●	Smooth And Agile Rotation Suitable For Light Load Conveying PVC Tube Excellent Chemical Stability And Corrosion Resistance
		Φ25	1.8	Φ8				●	
		Φ30							
		Φ38	2.0						
		Φ50	2.5	Φ8/10/12				●	
	1200	Φ38	1.2	11hex, Φ8/10/12/14	●	●			Universal Gravity Roller Polymer Bearing Housing And End Cap Design Reduced Operating Noise Available In Light Running Type
		Φ48.6	1.5	11hex, Φ10/12/14	●				
		Φ50		11hex, Φ8/10/12/14	●	●	●		
			2.0	11hex, Φ8/10/12/14/15	●				
			2.5					●	
		Φ60	2.0	11hex, Φ10/12/14/15	●	●	●		
		Φ76		Φ17	●				
			3.0	Φ20	●	●			
					●				
	1100	Φ18	1.0	Φ6	●				Semi-Precision Bearings Capable Of Withstanding Significant Impact Loads
		Φ25.6		Φ6/8	●		●		
		Φ50	1.5	Φ8	●		●		
	1800	Φ38	1.2	Φ12	●	●			Steel Bearing Housing Precision Bearings Robust And Durable Comprehensive Diameter Range Wide Load Capacity Extensive Operating Temperature Range
		Φ38.2	1.5				●		
		Φ50		Φ12/15	●	●	●		
			2.0	Φ12/15/20	●	●	●		
		Φ60	3.0	Φ15	●				
		Φ76		Φ15/20	●	●	●		
			4.0		●				
		Φ80	3.0	Φ20	●				
			4.0						
		Φ89	3.0		●				
			4.0						




















































Detailed roller specifications are available in the «Conveyor Roller Catalogue» or contact us.

Driven Conveyor Roller



For Use With MDR Or Motor-Driven Conveyors

- Diverse Drive Options
- Medium-Duty Poly-V Type
- Innovative High-Strength Steel Rollers
- Anti-static As Standard

Driven Element	Series	Tube Dia.	T	Shaft Dia.	Tube			Product Features
					Steel, Zinc-plated	Stainless Steel	Aluminium	
	2230/2240	Φ48.6	1.5	11hex, Φ10/12/14/15				Customizable Groove Positions For Enhanced Flexibility Primarily Used For Light To Medium Duty Conveying
		Φ50	2.0					
		Φ60						
	2260	Φ50	1.5	11hex, Φ10/12/14/15				End Drive for Increased Conveying Stability Suitable For Light To Medium Duty
	2250	Φ48.6	1.5	11hex, Φ10/12/14/15				Enhanced Transmission Efficiency With 9V Grooves Suitable For Medium And High Speeds, Medium Duty Applications
		Φ50						
	2890M	Φ50	1.5	Φ12/15				11 V-Grooves, Paired With 5PJ Poly-V Belt Increased Duty Capacity
	2280	Φ50	1.5	Φ14/15				Precise Positioning Compatible With PU Timing Belts Suitable For Cleanroom Environments
	2214/2224	Φ50	1.5	Φ12/15				Polymer Sprocket Design, Lightweight And Self-Lubricating Suitable For Light To Medium Duty Conveying
		Φ60	2.0					
	2411/2421	Φ50	1.5	Φ12/15				Steel Sprocket Circumferentially Welded To The Tube High Strength, High Torque Transmission Polymer Bearing Housing Design, Aesthetically Pleasing And Quiet
			2.0					
		Φ60	2.0	Φ20				
		Φ76	3.0					
		Φ80	3.0					
	2311/2321	Φ50	1.5	Φ12				Steel Sprocket Circumferentially Welded To The Tube High Strength, High Torque Transmission Wide Operating Temperature Range
			2.0					
		Φ60	2.0	Φ12/15				
			3.0					
		Φ76	3.0	Φ15				
			2.0	Φ17				
			3.0	Φ20				
		4.0						
		Φ80	3.0					
			3.0					
		Φ89	4.0					

Detailed roller specifications are available in the 《Conveyor Roller Catalogue》 or contact us.

Accumulating Conveyor Roller



For Accumulation Applications in Conveyor Systems

- Standard Type For Light to Medium Duty, Enabling Easy Accumulation With In the Load Range
- Adjustable Type With A Wider Load Range And Customizable Friction Force
- Anti-static As Standard

Driven Element	Series	Tube Dia.	T	Shaft Dia.	Tube		Product Features
					Steel, Zinc-plated	Stainless Steel	
	3214/3224	Φ50	1.5	Φ12/15	●	●	Polymer Sprocket And Accumulation Sleeve Low Noise And Easy Interchangeability With 2214 And 2224 Series
		Φ60	2.0		●	●	
	3211/3221	Φ50	1.5	Φ12/15	●	●	Identical Dimensions To 3214 And 3224 Series Steel Sprocket For Enhanced Durability
		Φ60	2.0		●	●	
	3816/3826	Φ50	1.5	Φ12	●	●	Specialized Friction Plates For Superior Wear Resistance And Extended Service Life Adjustable Friction Force For Smoother Conveying Across a Wide Range Of Applications
		Φ60	2.0	Φ15	●	●	
		Φ76	3.0	Φ20	●	●	

Detailed roller specifications are available in the «Conveyor Roller Catalogue» or by contact us.

Curve Conveyor Roller



For Conveying Goods Around Curves

- Flexible And Modular Polymer Taper Sleeve Design
- Robust Steel Construction
- Anti-static Tapered Sleeve (Black) Available

End Housing	Series	Tube Dia.	Shaft Dia.	Tube			Product Features
				Plastic Tapered Sleeve	Steel, Zinc-plated	Stainless Steel	
	1600	Φ52.5/Φ55.6	11hex, Φ12/15	●			Aesthetically Pleasing, Quiet, and Easy to Clean Modular Polymer Tapered Sleeve
	2640	Φ52.5/Φ55.6	11hex, Φ12/15	●			"O"-Ring Belt Drive with Customizable Groove Positions Low Noise And Quiet Operation
	2660	Φ52.5/Φ55.6	11hex, Φ12/15	●			"O"-Ring Belt Drive with Groove at the Roller End Suitable for Light Duty Conveying Smooth Operation
	2650	Φ52.5/Φ55.6	11hex, Φ12/15	●			Poly-V Pulley Rotation, Quiet Operation Suitable For Light to Medium Duty Conveying
	2624	Φ52.5/Φ55.6	Φ12/15	●			Polymer Sprocket, Self-Lubricating and Maintenance-Free Suitable For Low-Speed Duty Conveying
	1500	Φ50	Φ12/15		●	●	All-Steel Tapered Tube Plastic Bearing Housing Durable and Quiet Operation
	2521	Φ50	Φ12/15		●	●	All-Steel Tapered Tube Welded Steel Sprocket Robust and Durable

Detailed roller specifications are available in the «Conveyor Roller Catalogue» or contact us.

MDR For Box Handling



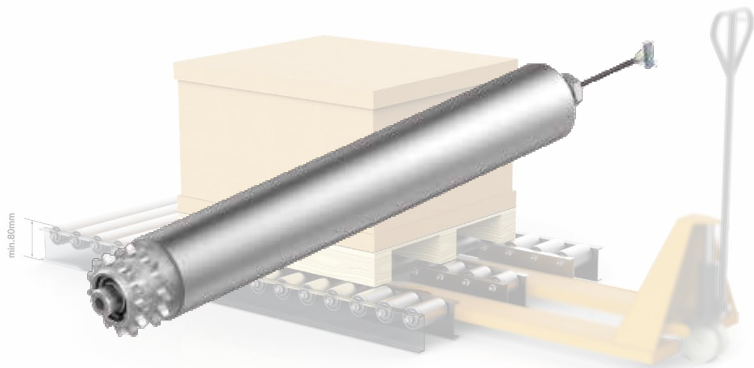
For Conveying Cartons And Totes

- Conveying Capacity Up To 400 kg
- Automatic Power Compensation Ensures Consistent Conveying Speed Regardless Of Load Weight
- ECO And BOOST Modes For Energy Efficiency And High Torque

Basic Data (φ50/60)

	ECO Mode	BOOST Mode (High Torque)
Voltage	DC24V	
Rated Output Power	40W	50W
Rated Current	2.5A	3.5A
Starting Current	3.0A	5.0A
Drive Connection Type	Non-Driven (Straight) / Sprocket / Grooved / Poly-V Pulley / "O"-Ring Pulley / Timing Belt Pulley	

MDR For Pallet Handling



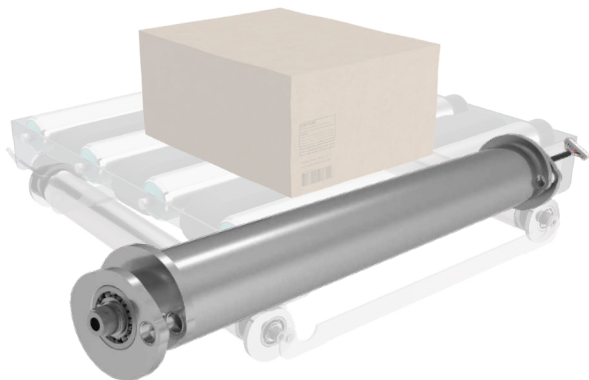
For Heavy-Duty Pallet Conveying

- Space-Saving And Simplified Design
- Soft Start, Soft Stop, And Speed Control Functions
- Drive Capacity Up To 1.1 t

Basic Data (φ76)

	BOOST-8 Mode
Voltage	DC24V
Rated Output Power	50W
Rated Current	3.5A
Starting Current	8.0A
Drive Connection	Sprocket / Non-Driven (Straight)

MDR With Cam



For Vertical Lifting In Right-Angle Transfer

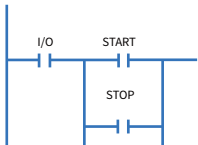
- Integrated Motorized Roller And Cam Design For Electrically Powered Lifting Without Air Supply; Enables Transfer System Heights As Low As 180mm
- Dual Cam Structure Eliminates The Need For Lifting During Transfers,Enhancing Safety And Energy Efficiency; Maintains Consistent Height Between Two Intersecting Conveyor Lines

Basic Data (φ50)

	ECO Mode	BOOST Mode (High Torque)
Voltage	DC24V	
Rated Output Power	40W	50W
Load Capacity	30kg	50kg
Rated Torque	2.97N · m	5.4N · m

Drive Card

I/O Type



Eco/Boost

Network Type



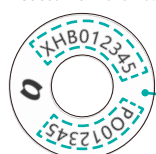
Ethernet

(Profinet, Ethernet I/P, Modbus TCP, CC-Link, EtherCAT)

For detailed roller specifications, please refer to the 《Motorized Roller Product Selection Guide》 or contact us.

BP-D Series Pulley (Rotating Shaft)

• Customer Part No.



• Customer PO No.



Used In Combination With Motors For Driving Belt Conveyors

- Friction Welding Process For High Batch Consistency
- Shaft End Markings For Clear And Reliable Product Identification

Specifications

Standard		Optional	Length	
Tube dia.(D)	shaft dia.(d1)	Optional shaft(d1)	W	L
Φ59	Φ25	Φ20	250~1300	≤1500
Φ75/87	Φ30	Φ25/Φ35		
Φ100	Φ30	Φ25/Φ35	250~1400	≤1600
Φ112	Φ35	Φ30/Φ40		
Φ119	Φ35	Φ40		
Φ130/Φ137/Φ156	Φ35	Φ40	70~1800	≤2400
Φ176	Φ40	Φ45		
Φ200	Φ45	Φ50/Φ55		
Φ216	Φ50	Φ55		

BP-R Series Pulley (Fixed Shaft)



Used For Belt Conveyor Head And Tail Pulleys, Tensioning, And Redirection

- Precision Machining For Smooth Rotation
- High Load Capacity, Reliable And Durable
- End Cap Markings For Clear Product Identification

Specifications

Standard			Length	
Tube dia.(D)	shaft dia.(d1)	Bearing Type	W	L
Φ51	Φ20	6204	450~1300	≤1500
Φ59	Φ25	6205	70~1300	≤1500
Φ69	Φ30	6206	70~1300	≤1600
Φ75/Φ79	Φ25	6005	120~1300	≤1500
Φ87	Φ25	6205		
Φ100	Φ30	6306	120~1800	≤2100
Φ112	Φ30	6306		
	Φ35	6307		
Φ119	Φ30	6306		

Drum Motor



Simple And Efficient Belt Conveyor Drive Solution

- Permanent Magnet Motor Technology, Energy Efficiency Up To 95%, Energy Saving And Environmentally Friendly
- No Cooling Oil Required, Eliminating Oil Leakage Risks
- Supports Various Bus Communications, Including RS485 And CANopen

Specifications

Product Series	DMR67	DMR100		DMR138	DMR165	DMR216
Rated Power	0.4kW	0.75kW	1.1kW	1.82kW	2.55kW	2.55kW
Rated Torque	4N·m	10N·m	15N·m	61N·m	174N·m	278N·m
Rated Voltage	AC 1×220V / 50 Hz			AC 3×380V / 50Hz	AC 3×380 / 50Hz	
Speed Range	30~150m/min			30~90m/min	30~60m/min	

Driver



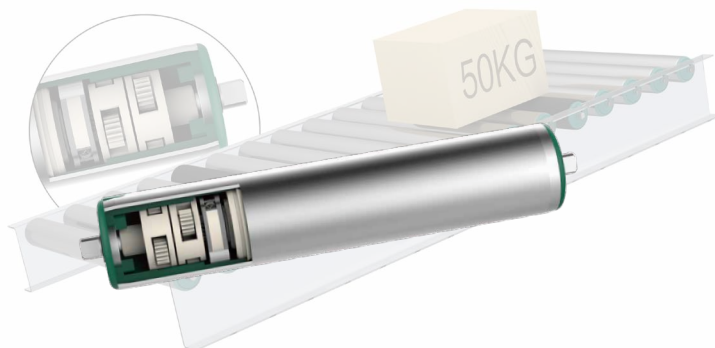
- For DMR67/DMR100 Series



- For DMR138/DMR165/DMR216 Series

Detailed roller specifications are available in the 《Belt Conveyor Pulley Products Overview》 or contact us.

Internal Brake Roller



For Speed Control In Box-Follow

- Adapts To Different Load Weights
- Suitable For Flat, Hard-Surfaced Items Such As Cardboard Boxes And Bins

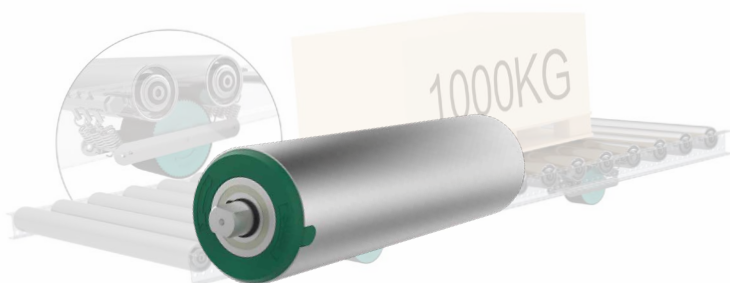


Specifications

Model	D*T	Shaft	Weight Range	Tube	
				Steel, zinc plated	SS304
BR50/AA-S11	50x1.5	S11 Hex	10-60kg	√	√
BR50/AA-12	50x1.5	b/h = 8/12 Milled Flats	10-60kg	√	√
BR60/AA-12	60x1.5	b/h = 8/12 Milled Flats	20-100kg	√	

* BR50/AA has 2mm PU sleeve lagging providable.

External Brake Roller



For Speed Control In Pallet Follow

- Zero Energy Consumption, Maintenance-Free
- Suitable For Wood And Plastic Pallets



Specifications

Model	D*T	Shaft	Weight Range	Tube	
				Steel, zinc plated	Steel, zinc plated, knurled surface
BR80/AA	80x2.5	b/h = 15/20 Milled Flats	200-1000kg	√	√
BR80/BA			1000-1500kg	√	√
BR80/AS			200-1000kg	√	√

*BR80/AS is suitable for LIFO push-back.

BE120 external damping roller available.

Detailed roller specifications are available in the 《Brake Roller / Speed Controller Product Introduction》 or contact us.

Motorized Roller Expandable Conveyor



For Automatic Continuous Conveying Of Boxed Items

- 90 W Powerful Motor
- Forward And Reverse Control, Stepless Speed Regulation
- CE Certified Version Available
- Up To Three Units Can Be Interconnected
- Various Voltages Available: 220V/380V

Specifications

Drive Type	Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
Poly-V Belt "O"-Ring Belt	FWDP-50/FWDR-50	2	1120-2700	600 750 900	700~1000	50
		3	1540-3800			
		4	1960-4900			
		5	2380-6000			
		6	2800-7100			

Non-Driven Roller Expandable Conveyor



For Manual Conveying Of Boxed Items

- High Load Capacity, Reliable and Durable
- Smooth And Quiet Operation
- Suitable For Larger Items

Specifications

Diameter	Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
φ38	FWA-38	2	980-2480	500 600	700~1000 550~700	80
	FWA-38	3	1350-3510			
	FWA-38	4	1720-4540			
	FWA-38	5	2090-5570			
	FWA-38	6	2460-6600			
φ50	FWAH-50	2	1120-2700	600 750 900	700~1000 550~700	100
	FWAH-50	3	1540-3800			
	FWAH-50	4	1960-4900			
	FWAH-50	5	2380-6000			
	FWAH-50	6	2800-7100			



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