

## 50mm Covered Rubber Motorized Drive Roller For Automated Conveyor Lines

Our Product Introduction

for more products please visit us on [drum-roller.com](http://drum-roller.com)

### Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE, ROHS2.0, EMC, ISO9001
- Model Number: Winroller 50mm Covered Rubber Motorized Drive Roller
- Minimum Order Quantity: 1stick
- Price: Contact Us
- Packaging Details: Wooden case
- Delivery Time: 7-15 word days
- Payment Terms: TT, L/C
- Supply Ability: 1000000/year



### Product Specification

- Product Name: 50mm Covered Rubber Motorized Drive Roller
- Diameter: 50mm
- Power: 40W / 80W
- Motor Type: DC Brushless Gear Deceleration Motor Drum
- Material: Carbon Steel
- Product Category: Motor Drive Roller
- Ambient Humidity: 30 - 90%RH (No Condensation)
- Rated Speed: 1~95.4m/min
- Highlight: **50mm Rubber Coated Conveyor Drive Rollers, 50mm rubber covered conveyor rollers, 40W Rubber Coated Conveyor Drive Rollers**



### More Images



## Product Description

### 50mm Covered Rubber Motorized Drive Roller For Automated Conveyor Lines

#### Product Description:

The 50mm Steel Pipe Motorized Drive Roller is a high-performance component designed to enhance material handling in various industrial applications. Featuring a durable steel construction with a specialized rubber coating, this roller provides excellent grip and traction, ensuring secure transport of goods and minimizing the risk of slippage. The rubber layer not only protects items being transported but also reduces noise and vibration, contributing to a smoother operational environment. Its robust design ensures reliable performance under demanding conditions, making it ideal for heavy-duty tasks.

Equipped with a powerful motor, the roller delivers smooth, consistent movement and precise speed control, facilitating the effective transport of goods across different settings. This feature is particularly advantageous in environments where accuracy and reliability are critical, such as manufacturing and logistics. The compact design allows for easy integration into existing conveyor systems, maximizing space utilization and improving overall workflow.

The 50mm Steel Pipe Motorized Drive Roller is perfect for a wide range of applications, including packaging lines, sorting systems, and assembly lines. It excels in environments such as warehouses, distribution centers, and manufacturing facilities, where it supports the efficient movement of materials and products. Additionally, its energy-efficient operation reduces power consumption, contributing to cost savings while maintaining high performance. This versatility and reliability make the motorized drive roller an essential component for modern industrial operations, ensuring seamless and effective material transport.

#### Features:

Product Name: 50mm Steel Pipe Motorized Drive Roller with DC Brushless Gear Deceleration Motor

Pipe: Steel, Galvanized/stainless Steel (SUS304)

Material: Carbon Steel

Ambient Humidity: 30 - 90%RH (No Condensation)

Power: 40W / 80W

Features:

Powered Drive Roller

Motorized Drive Roller

Motor Drive Drum Roller

#### Technical Parameters:

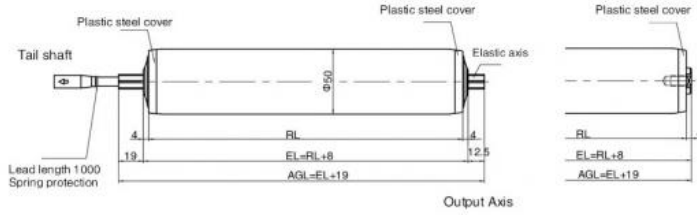
Product Category:	Motorized Conveyor Roller
Cylinder Length:	> 200mm
Surface Treatment:	Zinc Plating
Rated Speed:	1~95.4m/min
Material:	Carbon Steel
Pipe:	Steel, Galvanized/stainless Steel (SUS304)
Rated Current:	3.3A ( 24V ) , 6.12A ( 48V )
Protection Class:	P66 / IP67
Diameter:	50mm
Ambient Temperature:	-5 ~+40

### BL50 Section part indication drawing



- 1.The wire
- 2.The outlet end shaft
- 3.Before the bearing seat
- 4.The motor
- 5.Gear box
- 6.Rotate the flange
- 7.cylinder
- 8.After the bearing seat
- 9.End of shaft
- 10.Hall chip

### BL50 Outlining Dimensions



RL = Reference length/Order length \* (including capping)  
 EL = Installation length  
 AGL is the total length of the axis.

Φ50	40W-standard type				80W-reinforced			
	8-20		25-64		13-20		25-64	
Linear speed (m/min)								
Internal thread/elastic shaft*	Internal thread	Elastic axis	Internal thread	Elastic axis	Internal thread	Elastic axis	Internal thread	Elastic axis
Plastic flat cover	245	245	230	230	270	270	255	255

Brand: winroller	Voltage: 24V/48V
Type: DC brushless gear deceleration motor drum	Power: 40W/80W
Dimensions: 50mm in diameter	material: carbon steel
Cylinder length: > 200MM	surface treatment: zinc plating

### BL50 Technical Data

	AS mode	HAS mode
Voltage	DC24V/48V	
Rated output power	40W	80W
Rated current	3.3A	6.12A
Starting current	3.0A	5.0A
ambient temperature	-5C~+40C	
ambient humidity	30 ~ 90%RH(No condensation )	

9-core gold pin plug motor interface  
 Pipe: steel, galvanized/stainless steel (SUS304)  
 Diameter: Φ 50/ Φ 60mm  
 Maximum roller length: 1000mm (please contact us if more than 1000mm)  
 Standard length of cable: 600mm, extension cable can be provided if necessary

### BL50 Static Load Capacity

Diameter ( mm )	Length ( mm )							
	300	400	500	600	700	800	900	1000
Φ50	80	70	60	55	50	45	40	35

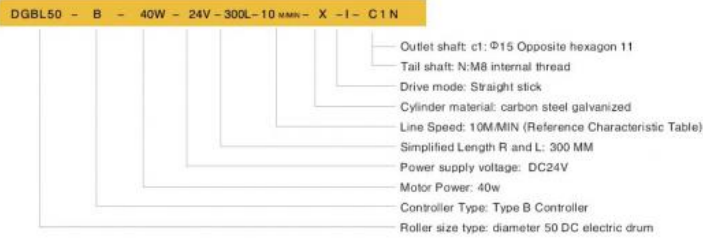
Unit: Kg

BL50 Mechanical Parameters

**DGBL50-40W/80W CHARACTERISTIC TABLE OF DC MOTOR ROLLER—24V/48V**

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	MOTOR 40W – STANDARD TYPE				MOTOR 80W – STANDARD REINFORCED TYPE			
		24V 48V		RATED POWER: 40W		24V 48V		RATED POWER: 80W	
		TORQUE (N.m)		TRACTION (N)		TORQUE (N.m)		TRACTION (N)	
		MMIN	RATED	START	RATED	START	RATED	START	RATED
8	1.0-11.8	5.23	15.70	209.28	627.84	-	-	-	-
13	1.6-18.8	3.29	9.87	131.55	394.64	6.39	19.16	255.45	766.35
16	1.9-23.9	2.58	7.75	103.36	310.08	5.02	15.05	200.71	602.14
20	2.5-30.4	2.03	6.09	81.21	243.63	3.94	11.83	157.70	473.11
25	3.1-37.7	1.64	4.91	65.40	196.20	3.18	9.53	127.00	381.00
31	3.9-47.1	1.31	3.92	52.32	156.96	2.54	7.62	101.00	304.80
39	4.9-58.9	1.05	3.14	41.86	125.57	2.03	6.10	81.26	243.84
50	6.3-75.0	0.82	2.47	32.89	98.66	1.60	4.79	63.86	191.59
64	8.0-95.4	0.65	1.94	25.84	77.52	1.25	3.76	50.18	150.53

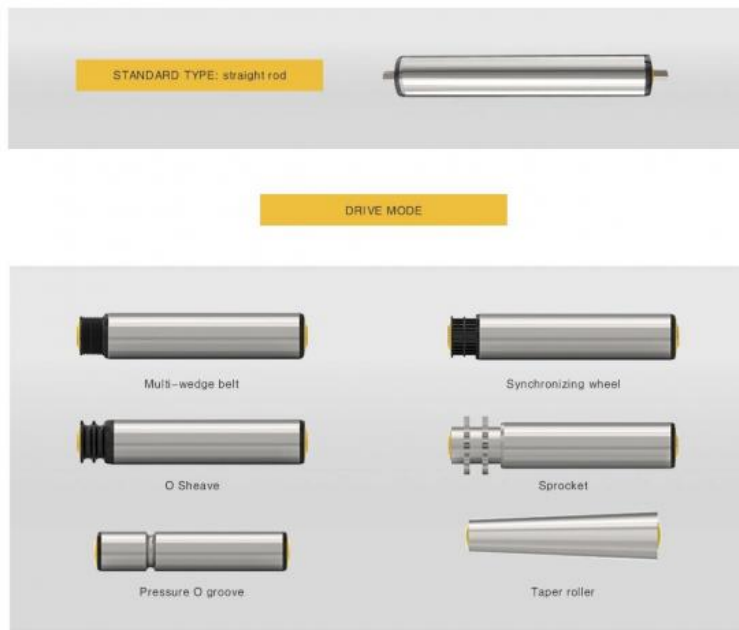
BL50 Model analysis



BL50 Optional parameter table

DGBL	50	40W	B	24V	10M	300L	X	L	C1	N
Roller size type	Diameter	Power	Con-troller	Elegant power supply	speed	Cylinder length	Cylinder material	Linkage mode	Outlet end shaft	Tallend shaft
DGBL	50	40W 80W	B S D	24V 48V	reference resource: [BL50 Mechanical parameters]	Custom-izable	X: Galvanizing of carbon steel G: Hard chromium plating on carbon steel P: Wrapped with polyurethane adhesive S3: Stainless steel 304 S2: Stainless steel 201 JT: Rubber JZ: Gluing JP: PVC soft adhesive JG: Stainless steel 304	Q: Multi-wedge belt ZT: Taper sleeve T: Synchronizing wheel E: O Sheave L: Sprocket O: Sprocket #Knurling I: Straight roll U: Drum type	C1: $\Phi 12$ hexagon opposite side 11 C2: M12 hexagon opposite Side 11	C1: $\Phi 12$ hexagon opposite side 11 C2: M12 hexagon opposite Side 11 N: M8 internal thread
Other voltage and drum shape can be customized. ※ Special requirements: Dustproof and waterproof (IP65) -- HS; Brake: electronic brake or (mechanical brake - Z; Product discharge (adjustable product discharge) -- AU; The elastic axis, TX; ※ The material of cone rod is only (galvanized, stainless steel).										

## BL50 Linkage mode



## BL50 Surface treatment

The standard model of the electric drum designed by our company is not covered by glue by default. If you need, we can do the glue wrapping treatment. The glue surface has plane, herringbone, diamond pattern, etc. Most specifications can have additional functions; For example, in different environments, the exposed parts such as shaft and barrel can be made of wear-resistant and corrosive materials, stainless steel, etc. Silica gel for food industry is food grade. Waterproof roller can be selected for those with waterproof requirements.



Note : It's just the typical technical data for you reference, The specification such as voltage, speed, torque, shaft can be customized by your needs. Please contact us for more details. Thanks.

## Applications:

**Automated Conveyor Systems:** Ideal for use in conveyor belts for transporting goods in warehouses and distribution centers.

**Packaging Lines:** Facilitates the movement of packaged products through various stages of the packaging process, ensuring efficient workflow.

**Material Handling:** Suitable for transporting bulk materials in manufacturing facilities, warehouses, and processing plants.

**Sorting and Distribution:** Utilized in sorting systems to efficiently handle and distribute items in logistics and fulfillment centers.

**Assembly Lines:** Supports the assembly of products by transporting components and finished goods to different workstations.

**Food Processing:** Employed in food handling applications where durability and hygiene are crucial, ensuring safe transport of food items.

## Support and Services:

Our Conveyor Rollers are designed to provide superior performance and durability in material handling applications. We offer a range of technical support and services to ensure our customers get the most out of their rollers:

Customized roller solutions to meet specific application needs

Expert guidance on roller selection and installation

Regular maintenance and inspection services to keep rollers operating at peak efficiency

Repair and replacement services to minimize downtime and extend roller lifespan

Training and educational resources to help customers optimize their material handling processes

Our team of experienced technicians and engineers are dedicated to providing the highest level of support and services to our customers. Contact us for more information on how we can assist with your Box Conveyor Roller needs.

## FAQ:

**Q: What is the brand name of this product?**

A: The brand name of this product is Winroller.

**Q: What is the model number of this product?**

A: The model number of this product is Winroller 50mm Covered Rubber Motorized Drive Roller.

**Q: What certifications does this product have?**

A: This product has CE, ROHS2.0, EMC, and ISO9001 certifications.

**Q: Where is this product made?**

A: This product is made in China Jiangsu.

**Q: What is the minimum order quantity for this product?**

A: The minimum order quantity for this product is 1 stick.

**Q: What is the price of this product?**

A: Please contact us for pricing information.

**Q: What payment terms are available for this product?**

A: The available payment terms are TT and L/C.

**Q: What is the supply ability of this product?**

A: The supply ability of this product is 1000000/year.

**Q: What is the delivery time for this product?**

A: The delivery time for this product is 7-15 work days.

**Q: How is this product packaged?**

A: This product is packaged in a wooden case.

### Φ50 DC series electric roller

#### Low speed and high torque

The roller will be equipped with professional driver for forward and reverse control and speed control.





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