

Φ50 High Speed Motor Drive Roller Maximum Load 200kg Rated Speed 1-95.4m/min

Our Product Introduction

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Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE, ROHS2.0, EMC, ISO9001
- Model Number: Winroller Φ50 High Speed Motor Drive Roller Maximum Load 200kg Rated Speed 1-95.4m/Min
- 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: Φ50 High Speed Motor Drive Roller Maximum Load 200kg Rated Speed 1-95.4m/Min
Φ50 High Speed Motor Drive Roller Maximum Load 200kg Rated Speed 1-95.4m/Min
- Diameter: 50mm
- Maximum Load: 200kg
- Pipe: Steel, Galvanized stainless Steel (SUS304)
- Protection Class: P66 / IP67
- Ambient Temperature: -5 ~+40
- Rated Current: 3.3A (24V) , 6.12A (48V)
- Starting Current: 3.0A (24V) , 5.0A (48V)
- Highlight: **Motor Drive Roller Load 200kg ,
Motor Drive Roller 95.4m/min,**



Product Description

Φ50 High Speed Motor Drive Roller Maximum Load 200kg Rated Speed 1-95.4m/min

Product Description:

Our Drive Motorized Roller boasts a powerful 40W or 80W motor, making it ideal for heavy-duty applications. It can easily handle a maximum load of 200kg, ensuring efficient and reliable transportation of your products.

The Box Conveyor Rollers are also designed to withstand a wide range of ambient temperatures, making them suitable for use in various industries. With an operating temperature range of -5 ~+40 , they are perfect for use in warehouses, factories, and other industrial settings.

In addition to its impressive power and temperature capabilities, the Box Conveyor Rollers are also designed with durability in mind. The rollers are zinc-plated, providing excellent protection against rust and corrosion. This surface treatment ensures that you can rely on our rollers for long-term use, even in harsh environments.

Our Box Conveyor Rollers are available in a variety of cylinder lengths, with options available for cylinders longer than 200mm. This ensures that you can find the perfect roller size for your specific application.

In summary, our Box Conveyor Rollers product is a top-of-the-line solution for businesses looking to optimize their transportation operations. With its Motor Powered Drive Roller, powerful electric motor, and durable zinc-plated design, it can handle heavy loads and withstand harsh environments. So, invest in our Box Conveyor Rollers today and experience efficient and reliable transportation for your products.

Features:

Product Name: Box Conveyor Rollers

Power: 40W / 80W

Ambient Temperature: -5 ~+40

Starting Current: 3.0A (24V) , 5.0A (48V)

Maximum Load: 200kg

Dimensions: 50mm In Diameter

Motor Drive Drum Roller

Electric Motor Drive Roller

Drive Motorized Roller

Technical Parameters:

Technical Parameters	Values
Product Name	DC48V Brushless Motor Drive Steel Roller With Alloy Synchronized Wheel For Conveyor Systems
Product Category	Roller with Motor Drive
Material	Carbon Steel
Motor Type	DC Brushless Gear Deceleration Motor Drum
Power	40W / 80W
Voltage	24V / 48V
Starting Current	3.0A (24V), 5.0A (48V)
Rated Current	3.3A (24V), 6.12A (48V)
Rated Speed	1~95.4m/min
Protection Class	P66 / IP67

Applications:

The Motor Drive Drum Roller is designed to provide motorized support for heavy loads, making it ideal for use in factories and warehouses. The motor powered drive roller can be used in conjunction with other conveyor systems to ensure that products are moved smoothly and efficiently throughout the production process. It is also suitable for use in packaging and shipping facilities, where it can help to streamline the handling and distribution of goods.

The Drive Motorized Roller is available in a range of pipe materials, including steel, galvanized stainless steel (SUS304), and comes with zinc plating surface treatment for added durability. The product is designed to operate within an ambient temperature range of -5 ~+40 , making it suitable for use in a variety of different environments.

The Winroller Diameter Φ50 PVC Taper Sleeve Motorized Conveyor Drive Roller has a protection class of P66 / IP67, ensuring that it is protected against dust, water, and other external elements. The product is also equipped with a DC brushless gear deceleration motor drum, which provides reliable and efficient power to help move heavy loads.

When you purchase this product, you can expect a minimum order quantity of 1 stick, with delivery times of between 7-15 word days. The product is supplied in wooden cases for added protection during shipping. Payment terms for this product include TT and L/C, and the

supply ability is 1000000/year.

In conclusion, the Winroller Diameter $\Phi 50$ PVC Taper Sleeve Motorized Conveyor Drive Roller is a high-quality product that is suitable for a range of product application occasions and scenarios. Whether you are looking to streamline your production line, or simply need a reliable and efficient conveyor system, this product is the perfect choice.

Support and Services:

Our Box Conveyor Rollers are designed to provide smooth and efficient movement of boxes and other materials along the conveyor line. We offer technical support and services to ensure that our customers can maximize the performance and longevity of their conveyor systems.

Our team of experts can provide assistance with installation, maintenance, and troubleshooting of the Box Conveyor Rollers. We also offer training programs to help operators and maintenance personnel operate and maintain the conveyor system safely and efficiently. In addition, we offer customization services to meet unique customer requirements. Our engineers can work with customers to design and manufacture Box Conveyor Rollers that are tailored to their specific needs and applications.

Packing and Shipping:

Product Packaging: Each box conveyor roller will be carefully packed using high-quality materials to ensure that they arrive at your facility in perfect condition. The rollers will be securely placed in a sturdy box and cushioned with protective materials to prevent any damage during shipping.

Shipping: We offer fast and reliable shipping options for our box conveyor rollers. Once your order is processed, we will ship the rollers to your facility within the specified timeframe. Our shipping partners are trusted carriers that ensure timely and safe delivery of your order.

FAQ:

Q1: What is the brand name of the Box Conveyor Rollers?

A1: The brand name of the Box Conveyor Rollers is Winroller.

Q2: What is the model number of the Box Conveyor Rollers?

A2: The model number of the Box Conveyor Rollers is Winroller $\Phi 50$ High Speed Motor Drive Roller Maximum Load 200kg Rated Speed 1-95.4m/min.

Q3: What certifications does the Box Conveyor Rollers have?

A3: The Box Conveyor Rollers has CE, ROHS2.0, EMC, and ISO9001 certifications.

Q4: Where is the Box Conveyor Rollers manufactured?

A4: The Box Conveyor Rollers is manufactured in China Jiangsu.

Q5: What is the minimum order quantity and payment terms for the Box Conveyor Rollers?

A5: The minimum order quantity for the Box Conveyor Rollers is 1 stick and the payment terms are TT and L/C. The price and delivery time can be obtained by contacting us. The supply ability is 1000000/year and the packaging details are wooden case.

$\Phi 50$ 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.

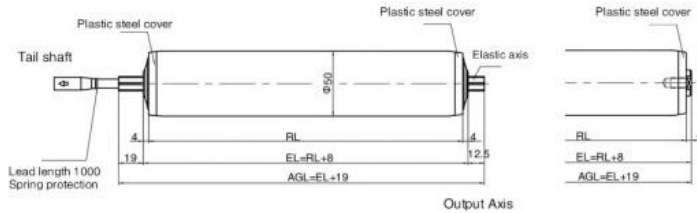


BL50 Section part indication drawing



- 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)	8-20		25-64		13-20		25-64	
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	81.28	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

DGBL50 - B - 40W - 24V - 300L-10MM - X - I - C1N



BL50 Optional parameter table

Roller size type	Diameter	Power	Con-troller	Elegant power supply	speed	Cylinder length	Cylinder material	Linkage mode	Outlet end shaft	Tailend shaft
DGBL	50	40W 80W	B S D	24V 48V	refer-ence resourc-es: [si50 Me-chanical param-eters]	Custom-izable	X: Galvanizing of carbon steel G: Hard chromi-um 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: ϕ 12 hexa-gon oppo-site side 11 C2: M12 hexa-gon oppo-site Side 11	C1: ϕ 12 hexa-gon oppo-site side 11 C2: M12 hexa-gon oppo-site 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



DRIVE 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.





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