

40W / 80W Pressure O Groove Motorized Drive Drum Roller For Smooth Material Handling

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 24V / 48V Pressure O Groove Motor Drive Drum 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

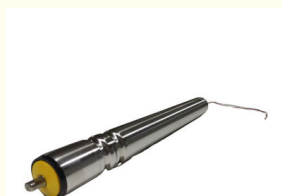


Product Specification

- Product Name: 24V / 48V Pressure O Groove Motor Drive Drum Roller
- Linkage Mode: Pressure O Groove
- Power: 40W / 80W
- Cylinder Diameter: 50mm
- Motor Type: DC Brushless Gear Deceleration Motor Drum
- Rated Speed: 1~95.4m/min
- Surface Treatment: Zinc Plating
- Pipe: Steel, Galvanizedistainless Steel (SUS304)
- Protection Class: P66 / IP67
- Highlight: **Material Handling Motorised Drum Rollers, 80W Motorised Drum Rollers, 40W motorized drum roller**



More Images



Product Description

40W / 80W Pressure O Groove Motorized Drive Drum Roller For Smooth Material Handling

Product Description:

The **40W / 80W Pressure O Groove Motorized Drive Drum Roller** is designed to enhance material handling efficiency by incorporating a specialized O groove feature that allows for effective grip and traction on various surfaces. This O groove design helps to channel and secure items being transported, reducing the risk of slipping and ensuring smooth movement. Ideal for use in automated systems, this roller provides reliable support for lightweight to medium-duty applications, making it a versatile choice for numerous industrial environments.

Equipped with a powerful motor, the drum roller offers smooth operation and precise speed control, ensuring efficient transport of goods. Its durable construction ensures longevity and reliable performance, even in demanding conditions. This roller is particularly suitable for applications such as conveyor systems, packaging lines, and material handling processes.

The **Pressure O Groove Motorized Drive Drum Roller** is ideal for a range of settings, including warehouses, distribution centers, and manufacturing facilities. Its energy-efficient operation contributes to reduced power consumption, providing cost savings while maintaining high productivity levels. With its combination of innovative design and reliable performance, this motorized drive roller is an essential component for modern material handling solutions.

Features:

Product Name: Box Conveyor Rollers
 Motor Type: DC Brushless Gear Deceleration Motor Drum
 Pipe: Steel, Galvanized/stainless Steel (SUS304)
 Maximum Load: 200kg
 Voltage: 24V / 48V
 Cylinder Length: 200mm
 Electric Motor Drive Roller
 Motor Powered Drive Roller
 Electric Motor Drive Roller

Technical Parameters:

| | |
|------------------|--|
| Ambient Humidity | 30 - 90%RH (No Condensation) |
| Voltage | 24V / 48V |
| Material | Carbon Steel |
| Maximum Load | 200kg |
| Rated Current | 3.3A (24V), 6.12A (48V) |
| Protection Class | P66 / IP67 |
| Product Name | 40W / 80W Pressure O Groove Motorized Drive Drum Roller For Smooth Material Handling |
| Motor Type | DC Brushless Gear Deceleration Motor Drum |
| Rated Speed | 1~95.4m/min |
| Starting Current | 3.0A (24V), 5.0A (48V) |

Applications:

Our Electric Motor Drive Roller is manufactured in China Jiangsu and is available for a minimum order quantity of only 1 stick. Contact us for pricing and payment terms, which include TT and L/C. With a supply ability of 1000000/year and a delivery time of 7-15 work days, you can be assured of timely delivery.

The Motorized Conveyor Roller is designed for a variety of applications and occasions. The product is ideal for use in industries such as logistics, manufacturing, and distribution centers. It is perfect for moving heavy loads and pallets, making it an ideal choice for warehouses and storage facilities.

This Motorized Drive Roller is made of steel, galvanized/stainless steel (SUS304) with a diameter of 50mm. It is treated with zinc plating, making it resistant to corrosion and wear and tear. The product is named DC48V Brushless Motor Drive Steel Roller With Alloy Synchronized Wheel For Conveyor Systems. It has a rated current of 3.3A (24V), 6.12A (48V), and is designed to provide a smooth and efficient transportation process.

The packaging details for this product include a wooden case, ensuring that the product arrives in perfect condition. The Winroller

Diameter Φ 50 PVC Taper Sleeve Motorized Conveyor Drive Roller is a must-have for any business that requires a reliable, efficient, and high-quality conveyor roller.

Support and Services:

Our Box Conveyor Rollers are designed to provide reliable and efficient movement of boxes and other similar items along conveyor systems. We offer technical support and services to ensure that our customers are able to properly install, operate, and maintain our rollers. Our team of experts can assist with troubleshooting and identifying any issues that may arise with the rollers, as well as provide recommendations for repairs or replacements when necessary.

In addition to technical support, we also offer a range of services, including custom design and fabrication of rollers to meet specific customer needs. We can work with customers to determine the best materials, sizes, and configurations for their unique applications. Our services also include installation and training, ensuring that our customers are able to get the most out of their Box Conveyor Rollers

FAQ:

Q1: What is the brand name of the conveyor rollers?

A1: The brand name of the conveyor rollers is Winroller.

Q2: What is the model number of the conveyor rollers?

A2: The model number of the conveyor rollers is Winroller 40W / 80W Pressure O Groove Motorized Drive Drum Roller.

Q3: What certifications do the conveyor rollers have?

A3: The conveyor rollers have CE, ROHS2.0, EMC, and ISO9001 certifications.

Q4: Where are the conveyor rollers made?

A4: The conveyor rollers are made in China Jiangsu.

Q5: What is the minimum order quantity for the conveyor rollers?

A5: The minimum order quantity for the conveyor rollers is 1 stick. Please contact us for pricing.

Q6: What are the payment terms for the conveyor rollers?

A6: The payment terms for the conveyor rollers are TT and L/C.

Q7: What is the supply ability of the conveyor rollers?

A7: The supply ability of the conveyor rollers is 1000000/year.

Q8: What is the delivery time for the conveyor rollers?

A8: The delivery time for the conveyor rollers is 7-15 work days.

Q9: How are the conveyor rollers packaged?

A9: The conveyor rollers are packaged in wooden cases.

Φ 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.

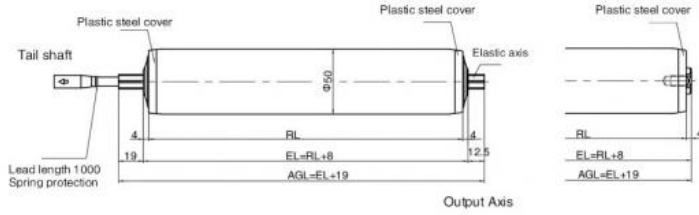


BL50 Section part indication drawing



- 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) | | | | | | | | |
| 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 |

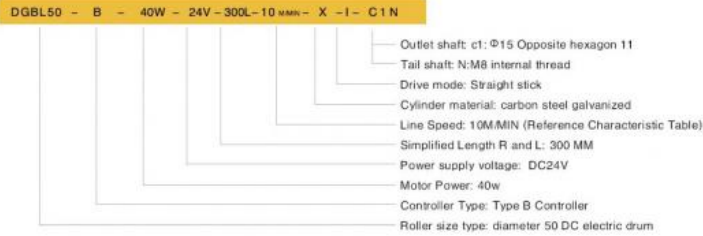
Unit: Kg

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 |

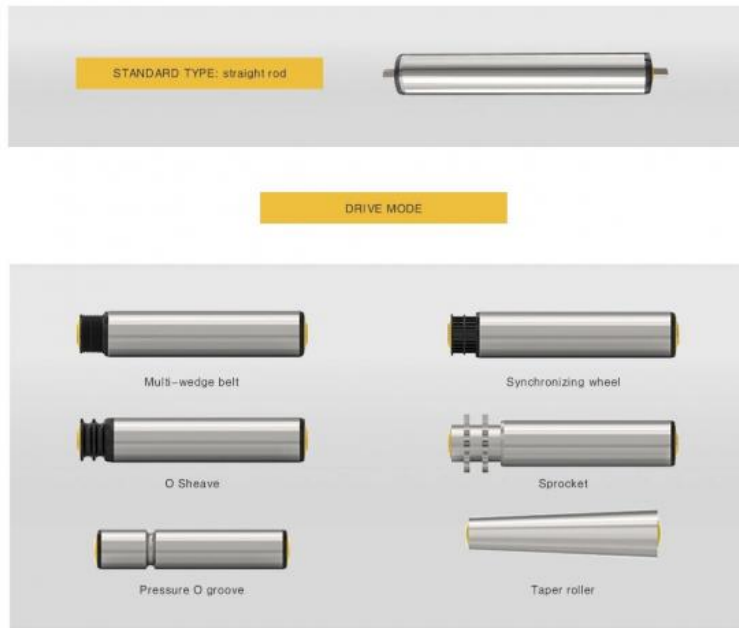
BL50 Model analysis



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 resources: [BL50 Mechanical parameters] | Customizable | 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: Φ 12 hexagon opposite side 11 C2: M12 hexagon opposite Side 11 | C1: Φ 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.



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