

## Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller With Nylon Sleeve

Our Product Introduction

### Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE,SGS,ISO9001,ROHS,UL
- Model Number: Winroller Φ76 New Energy Motor Drive Roller 48V 300W Sprocket Motorized Roller
- Minimum Order Quantity: 1 stick
- Price: Contact Us
- Packaging Details: Wooden case
- Delivery Time: 7-15 word days
- Payment Terms: TT, L/C
- Supply Ability: 1000000/year

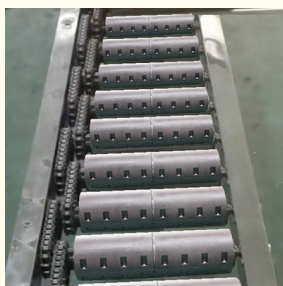


### Product Specification

- Product Name: Φ76 New Energy Motor Drive Roller 48V 300W Sprocket Motorized Roller
- Diameter: 76mm
- Voltage: 48V
- Power: 300W
- Linkage Mode: Double Sprocket
- Maximum Load: 3000kg
- Motor Type: Brushless DC Reduction Motor
- Speed Range: 2.04 ~ 90 M/min
- Tube Material: 304 Stainless Steel / Nylon Sleeve
- Application: Cement Industry, Ceramics Industry, Steel Industry
- Highlight: **48V Motorized Conveyor Roller, Nylon Sleeve Motorized Conveyor Roller, Nylon Sleeve Motorized Drive Roller**



### More Images



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## Product Description

### Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller With Nylon Sleeve

#### Features Overview of Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller

The Roller is designed with the latest technology, offering a dual sprocket drive system and durable nylon sleeves for industries that demand the highest levels of precision and power, and a 300W motor core that delivers superb torque, making it the preferred solution for the most demanding applications in the cement, ceramics and steel industries

#### Function of Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller

- Capable of driving pallets up to 3000 kg.
- Speed range from 2.04 to 90 m/min for versatile operation.
- Constructed from 304 stainless steel and nylon sleeves for high strength and resistance to corrosion.
- Supports plug-and-play network control for easy operation.
- Quick emergency stop function for safety.

#### Application of Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller

- Cement industry
- Ceramics industry
- Steel industry

#### Technical Parameters of Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller

Φ76 High Torque Motor Drive Roller 48V 300W Double Sprocket Motorized Roller

Diameter	76mm	Voltage	48V
Power	300W	Speed Range	2.04 ~ 90 m/min
Motor Type	Brushless DC Reduction Motor	Protection Level	IP66, IP67
Tube Material	304 Stainless Steel / Nylon Sleeve	Linkage Mode	Dual Sprocket
Application	Cement industry, ceramics industry, steel industry		

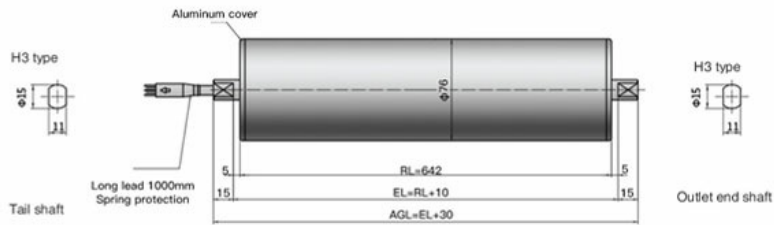
#### BL76 Technical Data

Brand: winroller	Voltage: 24V/48V
Type: DC brushless gear deceleration motor drum	material: carbon steel
Dimensions: 76mm in diameter	surface treatment: zinc plating ( default )
Power: 100W/200W/300W	

	AS mode	HAS mode	HBP mode
Voltage	DC24V/48V		
Rated output power	100W	200W	300W
Rated current	6.1A	12.0A	16.5A
Starting current	18.3A	36.0A	49.5A
ambient temperature	-5C~+40C		
ambient humidity	30 ~ 90%RH(No condensation )		

Aviation plug type motor interface  
Pipe: steel, galvanized/stainless steel (SUS304)

## BL76 Outlining Dimensions—100W



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

DGBL76 100W shortest length – DC

Φ76	100W	
Linear speed (m/min)	48-88	12-28
Internal thread/elastic shaft*	Internal thread	Internal thread
Minimum length of straight rol ( mm )	230	250

## BL76 Mechanical Parameters—100W

CHARACTERISTICS OF DGBL76-100W DC ELECTRIC ROLLER – 24V/48V

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	MOTOR 100W – STANDARD TYPE			
		24V		48V	
		TORQUE ( N.m )		TRACTION ( N )	
MMIN		RATED	START	RATED	START
12	1.4-11.5	15.60	122.78	420.62	599.51
18	2.2-18.1	9.98	14.57	262.59	383.39
23	2.7-22.6	7.96	11.62	209.46	305.81
28	3.4-28.3	6.35	9.27	167.08	243.93
45	5.4-44.6	4.03	5.88	105.97	154.71
56	6.7-55.7	3.23	4.71	84.96	124.04
70	8.4-69.8	2.58	3.76	67.77	98.94
88	10.5-87.5	2.05	3.00	54.05	78.92

# BOX ELECTRIC ROLLER

Higher power and torque

200W & 300W

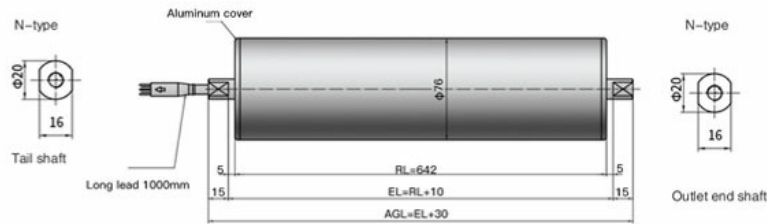
Can drive up to 3000 Kg of pallets



## DGBL76-200W

Relevant information

### BL76 Outlining Dimensions--200W



RL = Reference length/Order length \* (including capping)

EL = Installation length

AGL is the total length of the axis.

DGBL76 200W shortest length – DC

Φ76	200W	
Linear speed (m/min)	35-90	13-30
Internal thread/elastic shaft*	Internal thread	Internal thread
Minimum length of straight rol ( mm )	230	250

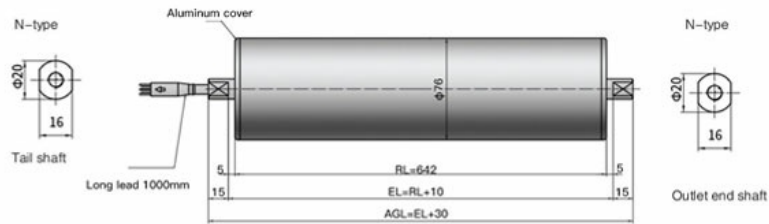
CHARACTERISTICS OF DGBL76-200W DC ELECTRIC ROLLER – 24V/48V

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	Motor 200W – high torque type			
		24V		48V	
		TORQUE (N.m)		TRACTION (N)	
	MMIN	RATED	START	RATED	START
13	1.6 – 13.1	30.98	72.17	815.16	1899.32
17	2.1 – 17.2	23.54	54.85	619.52	1443.48
23	2.7 – 22.6	17.89	41.69	470.84	1097.05
30	3.6 – 29.7	13.60	31.68	357.83	833.75
35	4.1 – 34.4	11.73	27.33	308.70	719.27
42	5.1 – 42.5	9.53	22.21	250.82	584.41
52	6.3 – 52.3	7.74	18.04	203.79	474.83
69	8.3 – 68.8	5.89	13.71	154.88	360.87
90	10.9 – 90.5	4.47	10.42	117.71	274.26

## DGBL76-300W

### Relevant information

#### BL76 Outlining Dimensions—300W



RL = Reference length/Order length \* (including capping)

EL = Installation length

AGL is the total length of the axis.

DGBL76 300W shortest length – DC

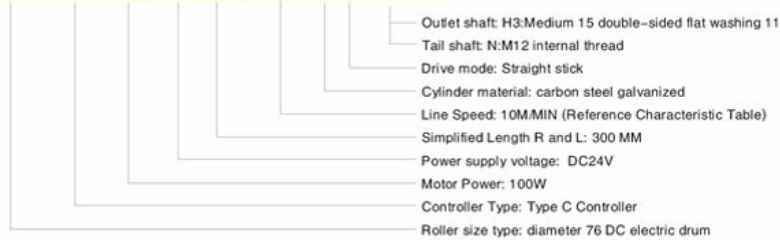
Φ76	300W	
Linear speed (m/min)	35-90	17-30
Internal thread/elastic shaft*	Internal thread	Internal thread
Minimum length of straight rol ( mm )	230	250

CHARACTERISTICS OF DGBL76-300W DC ELECTRIC ROLLER – 24V/48V

NOMINAL SPEED	RATED SPEED (SPEED RANGE)	Motor 300W – high torque type				
		24V		48V		
		TORQUE (N.m)		TRACTION (N)		
	MMIN	RATED	START	RATED	START	
	17	2.1 -17.2	32.35	97.04	851.20	2553.60
	23	2.7 -22.6	24.58	73.75	646.91	1940.74
	30	3.6-29.7	18.68	56.05	491.65	1474.96
	35	4.1-34.5	16.12	48.35	424.14	1272.43
	42	5.1-42.4	13.10	39.29	344.62	1033.85
	52	6.2-52.2	10.64	31.92	280.00	840.00
	69	8.3-68.7	8.09	24.26	212.80	638.40
	90	10.9-90.4	6.15	18.44	161.73	485.18

#### BL76 Model analysis

DGBL76 - C - 100W - 24V - 300L-10 MMIN - X - I - H3N



BL76 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	76	100W 200W 300W	C D	24V 48V	reference resources: [ b176 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	L:Sprocket #:Knurling I: Straight roll U:Drum type	H3: medium 15 double-sided flat washing 11 H5: medium 20 double-sided flat 16 H52: Medium 20 double-sided flat 16	H3: medium 15 double-sided flat washing 11 H5: medium 20 double-sided flat 16 H52: Medium 20 double-sided flat 16 N2: M12 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).

**BL76 Linkage mode**



## BL76 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.

### POLYURETHANE ADHESIVE

Excellent wear resistance  
Low temperature resistance, ozone resistance,  
radiation resistance, electrical insulation, good adhesion  
Good cushioning and shock absorption  
Good oil and drug resistance

### PVC SOFT ADHESIVE

Temperature resistance characteristics  
Weatherability  
Electrical insulation performance  
Low surface tension and low surface energy  
Physiological inertia

### BLACK RUBBER

Good elasticity  
Friction,  
Prevent slipping, protect goods  
Reduce noise

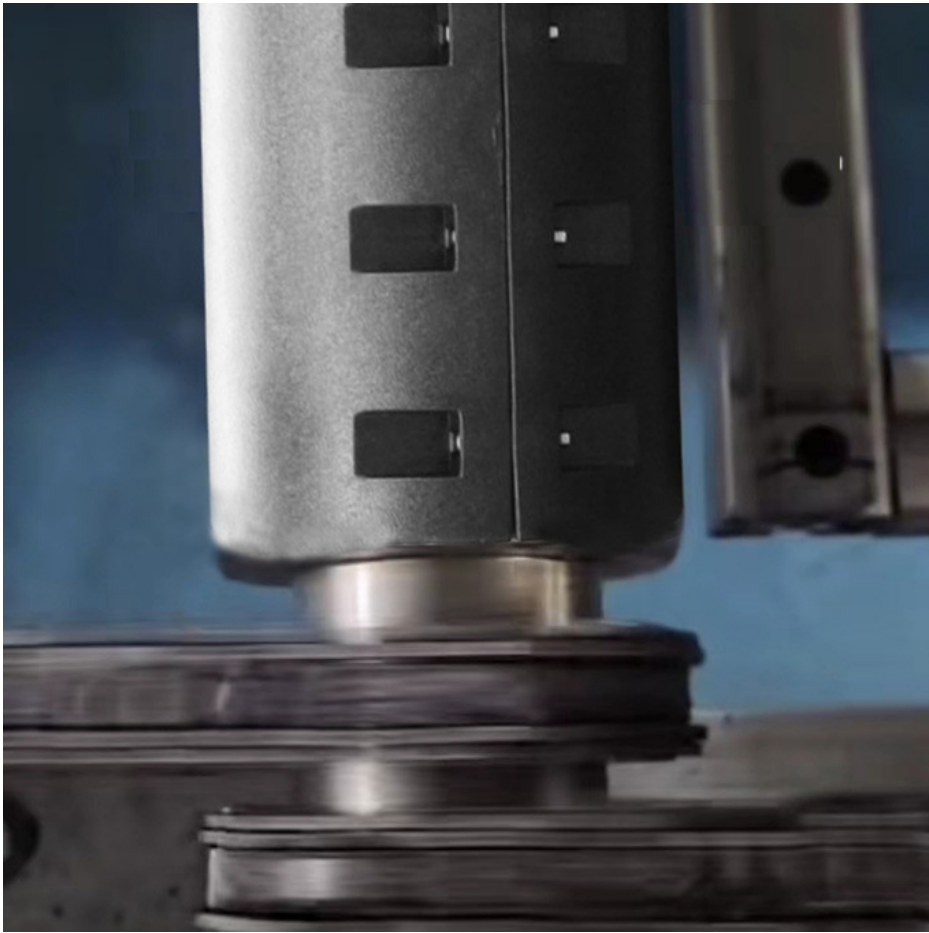
### PVC SOFT ADHESIVE

Temperature resistance characteristics  
Weatherability  
Electrical insulation performance  
Low surface tension and low surface energy  
Physiological inertia

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.

## Feature Picture of $\Phi 76$ New Energy Motor Drive Roller 48V 300W Sprocket Motorized Roller





**WIN ROLLER** JIANG SU Winroller Technology Co., Ltd.

+86 18168399322

winroller.market@gmail.com

drum-roller.com



