

138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller For Food Processing Industry

Our Product Introduction

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Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE,SGS,ISO9001,ROHS,UL
- Model Number: Winroller 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor 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: 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller
- Motor Type: Built-in Motor
- Cylinder Diameter: 138mm
- Cylinder Diameter: Food-grade 304 Stainless Steel, Carbon Steel
- Voltage: 400V
- Power: 1.1KW
- Linear Speed: 0.1m/s To 1.5m/s
- Cylinder Length: Customizable
- Protection Level: IP66/67
- Applications: Food Processing, Pharmaceutical Treatment, Packaging Equipment
- Highlight: **138mm stainless steel conveyor roller, Food Grade Stainless Steel Conveyor Roller, 138mm food conveyor roller**



138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller For Food Processing Industry

Features Overview of 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller

Winroller 138mm Food-Grade Drum Conveyor Belt Motor Drive Roller is engineered for efficient operation in high-power applications such as food processing, pharmaceuticals, and postal sorting. With a powerful 1.1KW motor and an operational speed range of 0.1m/s to 1.5m/s, it ensures robust construction, smooth performance, and customizable specifications for a variety of conveyor systems.

Function of 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller

The 138mm Food-Grade Drum Conveyor Belt Motor Drive Roller, certified by international authorities including CE, is designed to enhance the efficiency of material handling in various sectors, especially in food processing, pharmaceuticals, and logistics. Its primary function is to provide reliable and smooth movement of products along conveyor systems, ensuring that operations run seamlessly.

Equipped with a robust 1.1KW motor, this roller delivers consistent power and can manage medium to high loads effectively. Operating within a flexible speed range of 0.1m/s to 1.5m/s, it adapts easily to specific operational requirements, making it ideal for environments where speed and efficiency are critical, such as production lines for food and pharmaceuticals.

The DM138 roller can be customized in terms of length, speed, and other specifications, making it suitable for a wide range of applications, from sorting and packaging to transporting sensitive items. This adaptability helps businesses meet unique operational demands without compromising efficiency.

Application of 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller

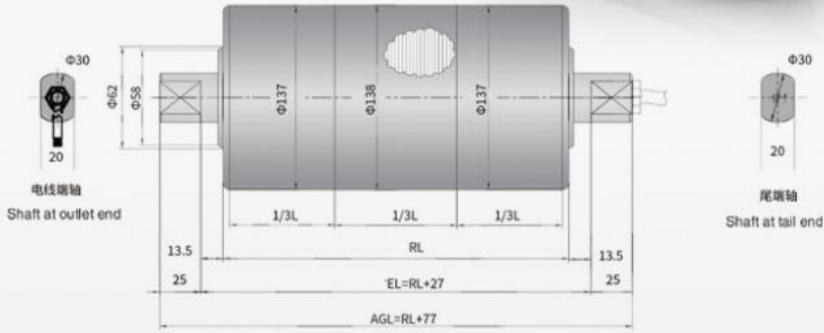
Food processing industry
Meat processing industry
Postal sorting
Belt conveyor
Sorting and conveying equipment for agricultural products

Technical Parameters of 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller

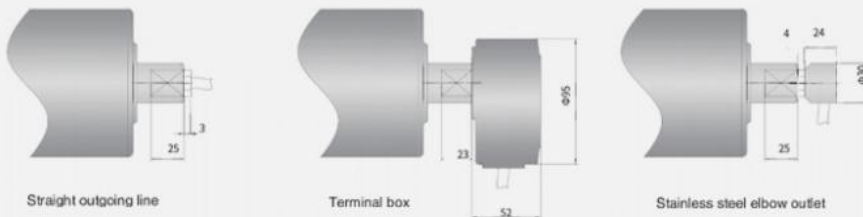
138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller

Motor Type	Built-in motor	Cylinder Diameter	138mm
Cylinder Diameter	Food-grade 304 stainless steel, carbon steel	Voltage	400V
Power	1.1KW	Linear Speed	0.1m/s to 1.5m/s
Cylinder length	Customised	Protection Level	IP66/67
Applications	Food processing, pharmaceutical treatment, packaging equipment		

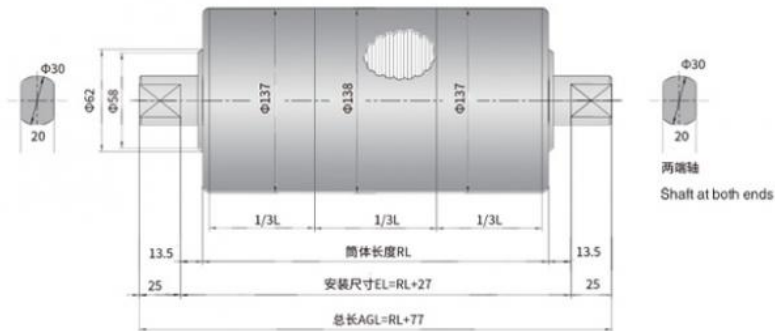
Dimensions of DM138 electric roller



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



Dimension drawing of DM138 driven roller



With the minimum cylinder length and weight as the standard, the weight of the electric drum will increase by about 3.8kg for every 100 mm of cylinder length.

Roller characteristics

DM138-3*400V/50Hz

power (KW/hp)	Motor stage	Number of gear poles	Gear ratio	Nominal belt speed(m/s)	torque (Nm)	Tractive force(N)	Rated current(A)	Minimum barrel length (mm)	Weight at minimum barrel length(Kg)
0.37/0.5	4	4	97.58	0.1	237.8	3447.99	1.05	350	19
			73.75	0.14	179.7	2605.96			
		3	58.7	0.17	143.0	2074.16			
			48.79	0.21	118.9	1723.99			
			42.14	0.25	102.7	1489.02			
			33.54	0.31	81.7	1185.14			
			27.88	0.38	67.9	985.14			
			21.07	0.5	51.3	744.51			
		2	16.77	0.62	40.9	592.57			
			13.94	0.75	34.0	492.57			

0.55/0.75	4	3	58.7	0.17	212.6	3083.22	1.57	350	21
			48.79	0.21	176.7	2562.69			
			42.14	0.25	152.6	2213.40			
			33.54	0.31	121.5	1761.69			
			27.88	0.38	101.0	1464.40			
			21.07	0.5	76.3	1106.70			
		2	16.77	0.62	60.7	880.84			
			13.94	0.75	50.5	732.20			

0.55/0.75	2	4	117.4	0.18	212.6	3083.22	1.28	350	19
			97.58	0.21	176.7	2562.69			
		3	73.75	0.28	133.6	1936.86			
			58.7	0.36	106.3	1541.61			
			48.79	0.43	88.4	1281.35			
			42.14	0.5	76.3	1106.70			
			33.54	0.62	60.7	880.84			
			27.88	0.75	50.5	732.20			
		2	21.07	0.99	38.2	553.35			
			16.77	1.25	30.4	440.42			
		13.94	1.5	25.2	366.10				

DM138-3*400V/50Hz

power (KW/hp)	Motor stage	Number of gear poles	Gear ratio	Nominal belt speed(m/s)	torque (Nm)	Tractive force(N)	Rated current(A)	Minimum barrel length (mm)	Weight at minimum barrel length(Kg)
0.75/1.02	4	3	48.79	0.21	241.0	3494.58	2	379	25
			42.14	0.25	208.2	3018.28			
			33.54	0.31	165.7	2402.30			
			27.88	0.38	137.7	1996.91			
		2	21.07	0.5	104.1	1509.14			
			16.77	0.62	82.8	1201.15			
			13.94	0.75	68.9	998.45			
0.75/1.02	2	4	97.58	0.21	241.0	3494.58	1.63	350	22
			73.75	0.28	182.1	2641.17			
		3	58.7	0.36	145.0	2102.19			
			48.79	0.43	120.5	1747.29			
			42.14	0.5	104.1	1509.14			
			33.54	0.62	82.8	1201.15			
			27.88	0.75	68.9	998.45			
			21.07	0.99	52.0	754.57			
		2	16.77	1.25	41.4	600.58			
			13.94	1.5	34.4	499.23			
1.1/1.5	2	3	58.7	0.36	212.6	1541.61	2.62	379	26
			48.79	0.43	176.8	1281.35			
			42.14	0.5	152.6	1106.70			
			33.54	0.62	121.4	880.84			
			27.88	0.75	101	732.20			
		2	21.07	0.99	76.4	553.35			
			16.77	1.25	60.8	440.42			
			13.94	1.5	50.4	366.10			

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 138mm Food Grade 304 Stainless Steel Belt Conveyor Drum Motor Roller





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