



# Flexible Expandable Conveyor

## Product Introduction

[www.damonroller.com](http://www.damonroller.com)

Version: 202308V5(1)-Eu(en)

# About Damon Industry



## ONE OF THE GLOBAL LEADING MANUFACTURER OF CONVEYOR ROLLERS —Providing European local manufacturing, sales and services

Damon Industry provides millions pieces of rollers all over the world every year for many industries. With decades' professional experience of conveyor roller, Damon Industry provides support for global companies to achieve efficient logistics.

Damon Industry, since its establishment, has always been committed to providing the highest quality conveyor rollers and services for a wide range of industries.

Damon Industry has manufacturing bases in Asia, America and Australia, and providing local manufacturing, sales and services. Damon Industry has also set up a manufacturing base in Europe now, and has always been committed to be a high-quality supplier of conveyor rollers.

Damon Industry conveyor rollers are used in a variety of industries including food distribution, pharmacy, tobacco, clothing, postal express, logistics and distribution, manufacturing, rubber and airport industries. Damon Industry provides a vast range of reliable and innovative roller solutions. Our dedicated and experienced team of sales people and application engineers' work with our clients to ensure the products are suitable for the application and help users improve efficiency and reduce costs. We will always focus on supplying outstanding conveyor roller solutions to local and global customers.

Globally we have gained the consistent trust of our customers. These customers include influential equipment manufacturing companies and logistics system integrators. We provide customers with over 40 different products covering a variety of specifications to suit user's different requirements. The customers of using Damon Industry rollers are over Europe, Asia, America, Australia and Africa, and this range is gradually expanding.

We not only provide high-quality rollers, but also provide a full range of quality services for customers all over the world. From introducing the complete information based ERP management system to the independent research and development of the online roller dimensional drawing system service, we are viewing our market from a brand new perspective and are pleased to share our ideas of quality and innovation with every customer.

With the mission of "Creating value for customer's logistics systems", Damon Industry will strive for the vision of becoming "The most influential core components supplier and service provider for the global materials handling industry".

## Non-Driven Roller Expandable Conveyor

03-04



Conveying surface	Φ38 / 50mm zinc plated steel roller or SS304 roller
Expansion Ratio	1:2.5
Width	FWA-38: 500 / 600 mm, FWAH-50: 600 / 750 / 900mm

## Non-Driven Skate Wheel Expandable Conveyor

05-06



Conveying surface	Φ48.5mm plastic skatewheel or Φ49mm zinc plated steel skatewheel
Expansion Ratio	1:3
Width	500 / 600 mm

## Motorized Roller Expandable Conveyor

07-08



Conveying surface	Φ50 zinc plated steel roller, driven by Poly-vee belt or O-belt
Expansion Ratio	1:2.5
Width	600 / 750 / 900 mm

⚙️ If you have different width or height requirement, please contact us.

- ⚠️ –Environmental conditions: indoor level ground  
 –Temperature: 0~40℃  
 –Humidity: 30%~70% RH without condensation





- high weight burden
- smooth and quiet running
- suitable for middle or big items

Specifications

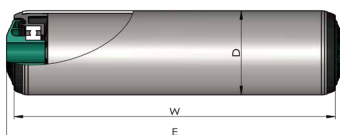
Φ38 single roller expandable conveyor

Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWA-38	2	980-2480	500 600	700~1000 550~700	80
FWA-38	3	1350-3510			
FWA-38	4	1720-4540			
FWA-38	5	2090-5570			
FWA-38	6	2460-6600			

## Φ50 single roller expandable conveyor

Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWAH-50	2	1120-2700	600 750 900	700~1000 550~700	100
FWAH-50	3	1540-3800			
FWAH-50	4	1960-4900			
FWAH-50	5	2380-6000			
FWAH-50	6	2800-7100			

## Roller



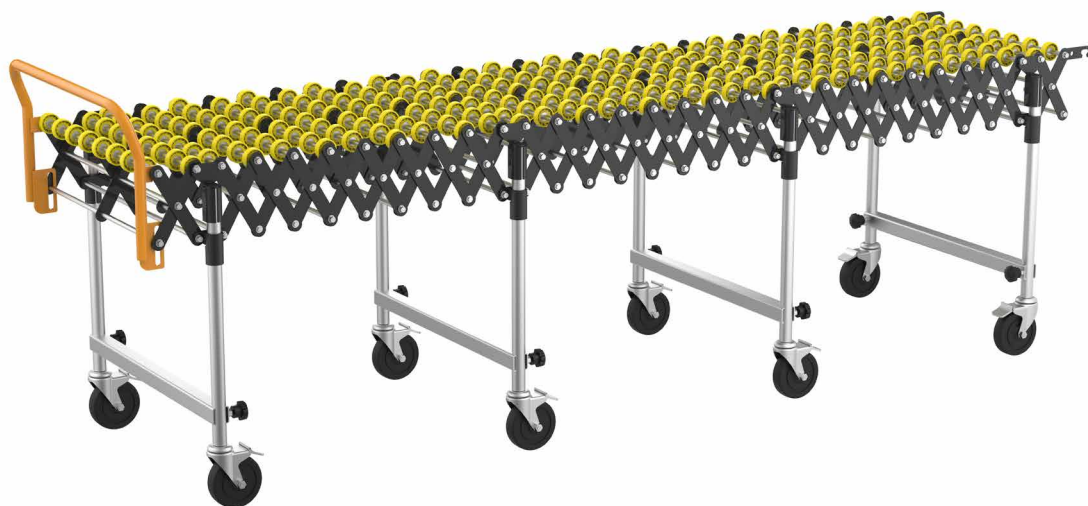
Tube Dia.(D)	t	Shaft Dia.(d)	Tube Material	
			Zinc plated steel	SS304
Φ38	1.2	Φ12	√	○
Φ50	1.5	Φ12	√	○

- Design of polymer bearing housing and end cap
- Beautiful, quiet operation

## Order Example

FWA — S		38 —	G2 —	60 —	5 —	70
Model	Roller Material	OD of Roller	Optional Configuration	Width	Unit No.	Height
FWA	Empty: Zinc Plated Steel	38: Φ38	Empty: None	50: 500	2: 2 units	70: 700~1000
FWAH	S: SS304	50: Φ50	G2: Guide Wheels	60: 600	3: 3 units	55: 550~700
				75: 750	.....	
				90: 900		

○ — Available Configuration



- high expansion ratio, space saving
- light weight, fluent rotating
- better for curve situation
- suitable for middle or small items

## Specifications

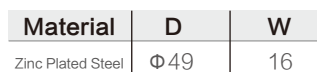
Φ48.5 plastic skatewheel expandable conveyor

- For light weight items, bottom material easy to wear and tear.

Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWC-P	2	870-2480	500 600	700~1000 550~700	70
FWC-P	3	1190-3510			
FWC-P	4	1510-4540			
FWC-P	5	1830-5570			
FWC-P	6	2150-6600			

- For middle weight items, hard bottom material.

## Skate wheel



steel skate wheel

FWC	P	G2	60	6	70
Model	Skatewheel Material	Optional Configuration	Width	Unit No.	Height
	P: Plastic	Empty: None	50: 500	2: 2 units	70: 700~1000
	C: Steel	G2: Guide Wheels	60: 600	3: 3 units	55: 550~700



- 90W strong power
- forward and reverse rotating stepless speed regulation
- linkage control up to three sets
- voltage option 220V/380V/400V



## Specifications

Motorized Roller Expandable Conveyor (Driven by Poly-vee belt)

- Transport speed as 10–35m/min, Max weight as 60kgs/unit.



Model(Poly-vee belt)	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWDP-50	2	1120–2700	600 750 900	700~1000	60
FWDP-50	3	1540–3800			
FWDP-50	4	1960–4900			
FWDP-50	5	2380–6000			
FWDP-50	6	2800–7100			

\*If you need the conveyor comply with CE standard, please contact us.



# Motorized Roller Expandable Conveyor

08

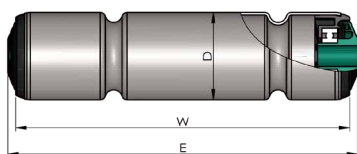
## Motorized Roller Expandable Conveyor (Driven by O-belt)

- Transport speed as 10–35m/min, Max weight as 50kgs/unit.



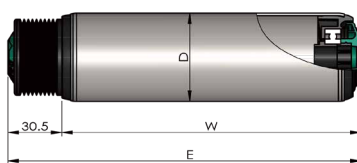
Model(O-belt)	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWDR-50	2	1120–2700	600 750 900	700~1000	50
FWDR-50	3	1540–3800			
FWDR-50	4	1960–4900			
FWDR-50	5	2380–6000			
FWDR-50	6	2800–7100			

## Roller



Double Grooved Conveyor Roller

Tube Dia.(D)	t	Shaft Dia.(d)	Tube Material	
			Zinc plated steel	SS304
Φ50	1.5	Φ12	√	○



Poly-Vee Conveyor Roller

Tube Dia.(D)	t	Shaft Dia.(d)	Tube Material	
			Zinc plated steel	SS304
Φ50	1.5	Φ12	√	○

\*PVC sleeve available for better surface friction.

## Order Example

<b>FWDP</b>	—	<b>S</b>		<b>50</b>	—	<b>G2</b>	—	<b>60</b>	—	<b>4</b>	—	<b>70</b>
Model		Roller Material		OD of Roller		Optional Configuration		Width		Unit No.		Height
FWDP:Poly-Vee		Empty:Zinc Plated Steel				Empty :None		60: 600		2: 2 units		70: 700~1000
FWDR:O-belt		S:SS304				G2:Guide Wheels		75: 750		3: 3 units		
		P:PVC Sleeve						90: 900		.....		

O——Available Configuration



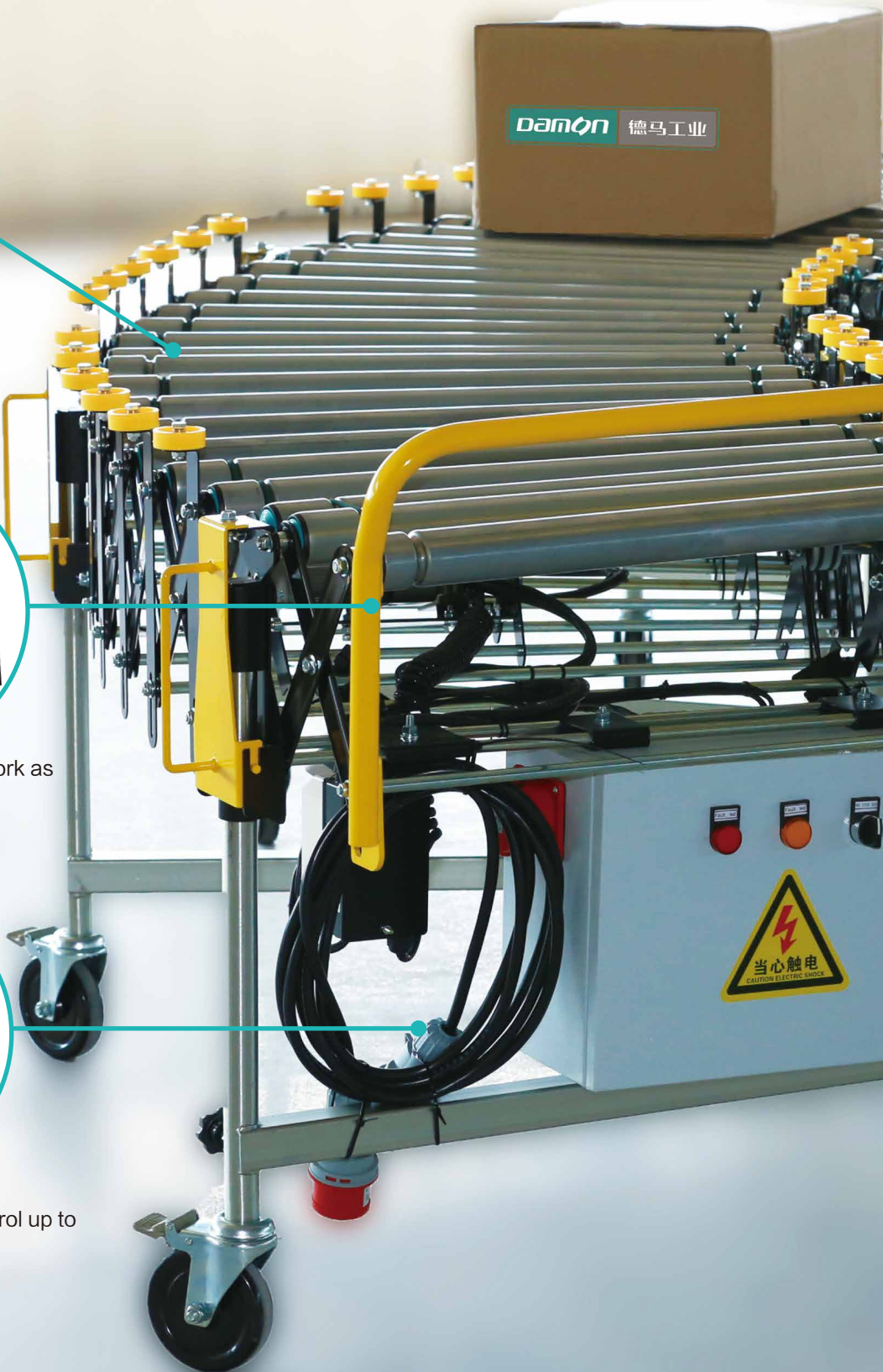
• Hutchinson Poly-Vee belt



• Handle made by circular tube, can work as package stop.



• Quick Connector, linkage control up to 3 sets 21 meters length





- 3mm side plates, black electrophoretic coating.



- 3mm corner block, punch forming, strong and solid.



- OD125mm nylon brake castor, firm and reliable.



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