



# Flexible Expandable Conveyor

## Product Introduction

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

Version: 202308V5(1)



### One of the global leading manufacturer of flexible expandable conveyor

With professional experience for decades, Damon Industry provides support for global companies to achieve efficient logistics.

Flexible expandable conveyors are used in a variety of industries including logistics distribution, manufacturing and other industries. It can be moved, expanded, or several sets can be linked by hooks to form longer conveying length, which can reduce labor strength and downsize personnel required. It has advantage in flexibility and movability over fixed conveyors. Flexible expandable conveyors can handle different sizes of boxed package with flat bottom.

We have three types - non-driven roller expandable conveyor, non-driven skate wheel expandable conveyor and motorized roller expandable conveyor. We constantly update and improve the design and its components based on customer' s feedback and on-site analysis. Globally we have gained the consistent trust of our customers.

## 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°C
- Humidity: 30%~70% RH without condensation



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

## Specifications

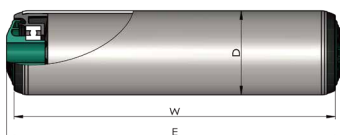
Φ38 single roller expandable conveyor

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	√	○

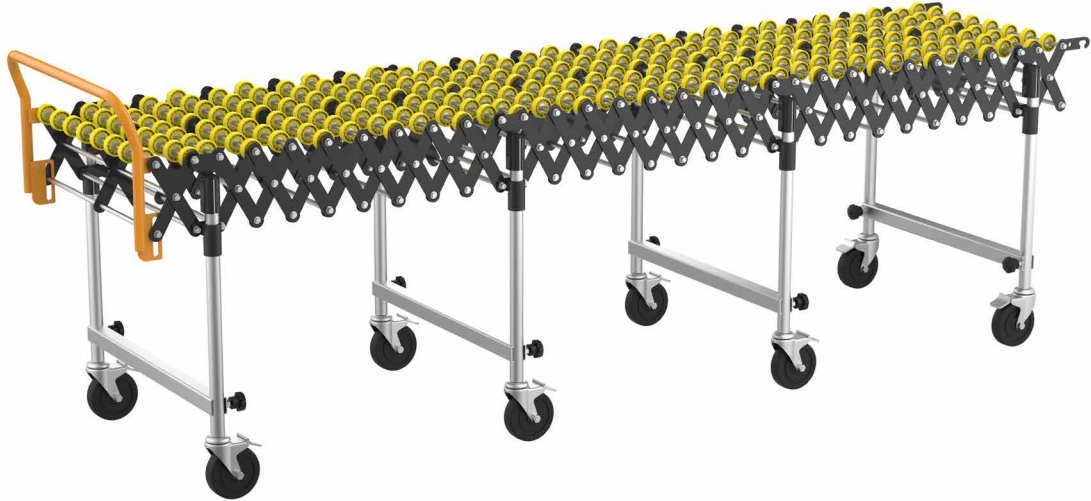
- Design of polymer bearing housing and end cap
- Beautiful, quiet operation

## Order Example

<b>FWA</b>	<b>S</b>	<b>38</b>	<b>G2</b>	<b>60</b>	<b>5</b>	<b>70</b>
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

## Non-driven Skate Wheel Expandable Conveyor



- 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.

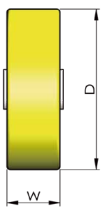
Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWC-P	2	870-2480	500 600	700~1000 550~700	70
FWC-P	3	1190-3510			
FWC-P	4	1510-4540			
FWC-P	5	1830-5570			
FWC-P	6	2150-6600			

## Φ49 steel skate wheel expandable conveyor

- For middle weight items, hard bottom material.

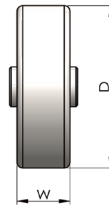
Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWC-C	2	870-2480	500 600	700-1000 550-700	70
FWC-C	3	1190-3510			
FWC-C	4	1510-4540			
FWC-C	5	1830-5570			
FWC-C	6	2150-6600			

## Skate wheel



Material	D	W
ABS	Φ48.5	16

plastic skate wheel



Material	D	W
Zinc Plated Steel	Φ49	16

steel skate wheel

## Order Example

<b>FWC</b>	—	<b>P</b>	—	<b>G2</b>	—	<b>60</b>	—	<b>6</b>	—	<b>70</b>
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
								.....		

# Motorized Roller Expandable Conveyor



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



CE

## 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.



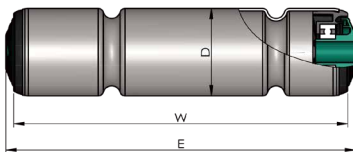
## Motorized Roller Expandable Conveyor (Driven by O-belt)

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



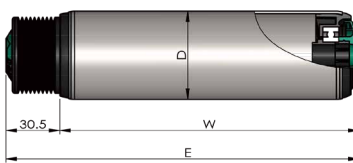
Model(O-belt)	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWDR-50	2	1120-2700	600 750 900	700~1000	50
FWDR-50	3	1540-3800			
FWDR-50	4	1960-4900			
FWDR-50	5	2380-6000			
FWDR-50	6	2800-7100			

## 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		.....		

○—Available Configuration



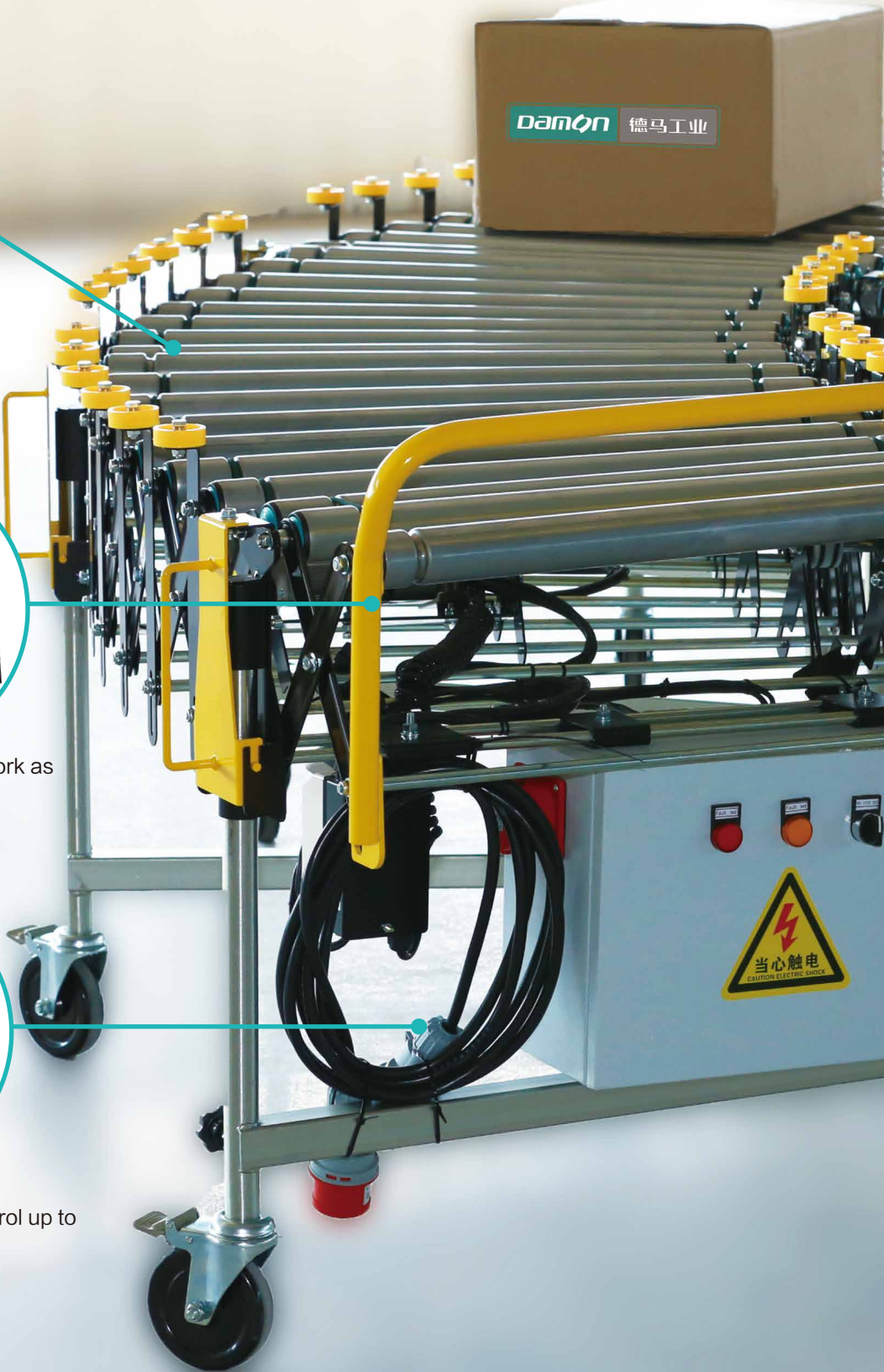
• Hutchinson Poly-Vee belt



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



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



Damon 德马工业





- 3mm side plates, black electrophoretic coating.



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



- OD125mm nylon brake castor, firm and reliable.

## ZHEJIANG DAMON INDUSTRIAL EQUIPMENT CO.,LTD

Address: Shangqiang Industrial Park, Daixi, Huzhou, China

Tel: +86-0572 3826 065/3826 066

Fax: +86-0572 3826 080

Email: sales@damonroller.com

Web: www.damonroller.com



Mini Program



WeChat Official

### Romania

#### DAMON Industrial Europe Srl

Address: Apahida, Libertatii Str., No. 21, 407035, Cluj, Romania

Tel: +0040-364130050

Email: sales@damonroller.ro

Web: www.damonroller.com

### Australia

#### DAMON Australia PtyLtd

Address: 30 Grasslands Avenue Craigieburn VIC 3064, Australia

Tel: +0061-393337034

Fax: +0061-393084896

Email: info@damon-group.com.au

Web: www.damon-group.com.au

### America

#### DA Roller Corporation

Address: 11310 Rockfield Ct, Cincinnati, OH 45241, USA.

Tel: +001-5138981850

Email: info@daroller.com

Web: www.daroller.com

### Japan

#### Kyowa Manufacturing Co., Ltd.

Address: 570-10 Kubota-cho, Kasai-city, Hyogo pref. 675-2364 JAPAN

Tel: +0081-790420601

Fax: +0081-790424895

Email: sales@pulseroller.com

Web: www.pulseroller.com

### Singapore

#### Rollflex Pte. Ltd.

Address: Blk 22, Woodlands Link, #04-70, Singapore 738734

Tel: +0065-62570811

Fax: +0065-62573811

Email: sales.sg@rollflexmfg.com

Web: www.rollflexmfg.com

### Indonesia

#### PT. Rollflex Manufacturing Indonesia

Address: Taman Tekno BSD, Sektor XI Blok H-11 No. 7 Serpong, Tangerang 15314

Tel: +006221-36720399

Fax: +006221-36720388

Email: sales.id@rollflexmfg.com

Web: www.rollflexmfg.com

### Malaysia

#### Rollflex (M) Sdn.Bhd.

Address: Lot58908, No.3399, Jalan Pekeliling Tanjung 27/2 Kawasan Perindustrian Indahpura, 81000 Kulai, Johor, Malaysia.

Tel: +006012-7272896

Email: sales.my@rollflexmfg.com

Web: www.rollflexmfg.com

Because the printed copy is updated slowly, so for the newest product informations, please refer to the official website