



# Flexible Expandable Conveyor

## Catalogue



### 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 - roller expandable conveyor, skatewheel 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
Expansion Ratio	1:2.5
Width	500 / 600 mm

## 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 O-belt or Poly-vee
Expansion Ratio	1:2.5
Width	600 / 800 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	1	610-1450	500	700-1000	80
FWA-38	2	980-2480			
FWA-38	3	1350-3510	600	550-700	
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	1	700-1600	500	700-1000	100
FWAH-50	2	1120-2700			
FWAH-50	3	1540-3800	600	550-700	
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	Stainless steel
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	1: 1 unit	70: 700~1000
FWAH	S: Stainless Steel	50: Φ50	G2: Guide Wheel Type	60: 600	2: 2 units	55: 550~700
			H: Straight Handle Type		.....	

## 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 wight items, bottom material easy to wear and tear.

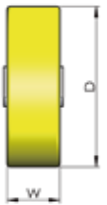
Model	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWC-P	1	550-1450	500 600	700~1000 550~700	70
FWC-P	2	870-2480			
FWC-P	3	1190-3510			
FWC-P	4	1510-4540			
FWC-P	5	1830-5570			
FWC-P	6	2150-6600			

## 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	1	550-1450	500 600	700-1000 550-700	70
FWC-C	2	870-2480			
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		—1: 1 unit		—70: 700-1000
		—C: Steel		—G2: Guide Wheel Type		—60: 600		—2: 2 units		—55: 550-700
				—H: Straight Handle Type				.....		



- 90W strong power
- forward and reverse rotating
- stepless speed regulation
- emergency stop at the front

## Specifications

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

- Transport speed as 10–30m/min, Max weight as 60kgs/pc. Suitable for straight conveying.

Model(Ploy-vee belt)	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWDP-50	1	700-1600	600 800	700~1000	60
FWDP-50	2	1120-2700			
FWDP-50	3	1540-3800			
FWDP-50	4	1960-4900			
FWDP-50	5	2380-6000			
FWDP-50	6	2800-7100			

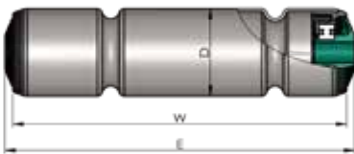


## Motorized Roller Expandable Conveyor (Driven by O-belt)

- Transport speed as 10–30m/min, Max weight as 50kgs/pc. Suitable for straight or curve conveying.

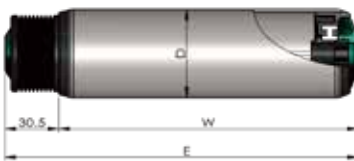
Model(O-belt)	Unit	Length mm	Width mm	Height mm	Load/Unit kg (no shock load)
FWDR-50	1	700-1600	600 800	700-1000	50
FWDR-50	2	1120-2700			
FWDR-50	3	1540-3800			
FWDR-50	4	1960-4900			
FWDR-50	5	2380-6000			
FWDR-50	6	2800-7100			

## Roller



Double Grooved Conveyor Roller

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

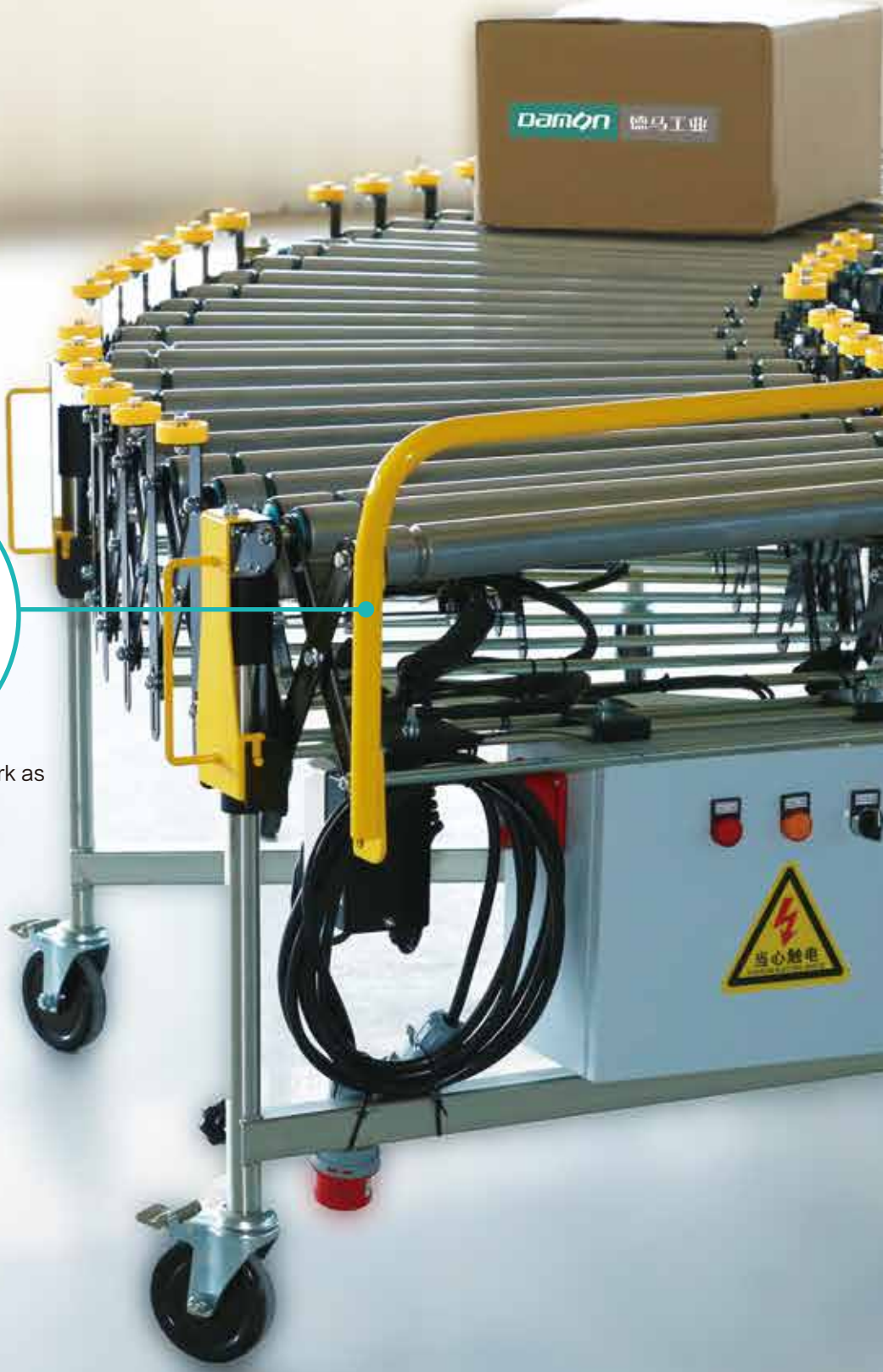


Poly-Vee Conveyor Roller

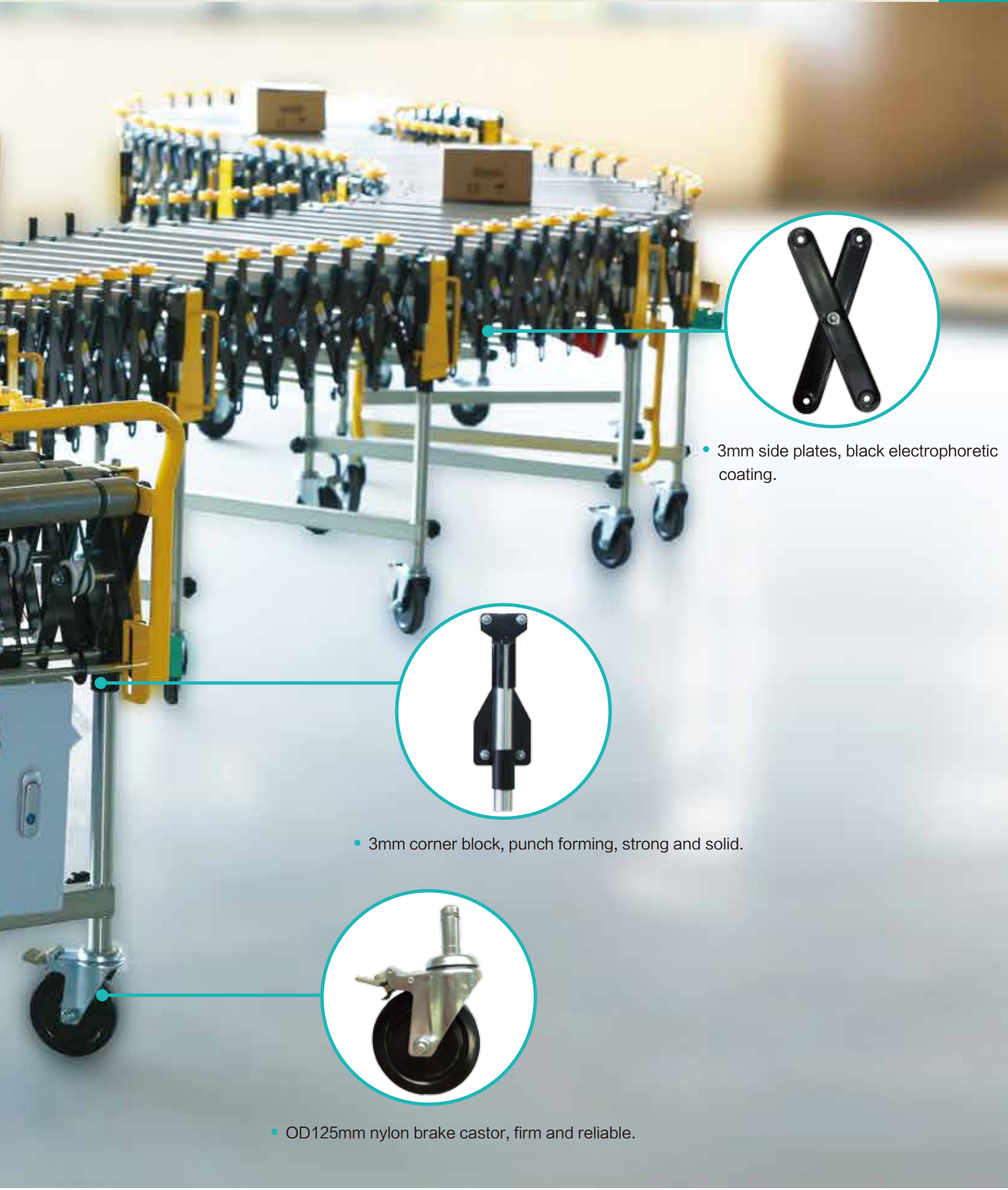
Tube Dia.(D)	t	Shaft Dia.(d)	Tube Material	
			Zinc plated steel	Stainless steel
Φ50	1.5	Φ12	√	○

## 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		1: 1 unit		70: 700-1000
FWDR:O-belt		S:Stainless Steel				G2:Guide Wheel Type		80: 800		2: 2 units		
						H:Straight Handle Type				.....		



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



- 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

Add: Shangqiang Industrial Park, Daixi, Huzhou, China  
Tel: +86 572 3826 065/3826 066  
Fax: +86 572 3826 080  
Email: sales@damonroller.com  
Web: www.damonroller.com

### 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

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

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