

Gravity Flow Conveyor Series — Carton Flow & Pallet Racking Gravity Conveyor

PASSX-CFC SERIES

Carton Flow Conveyor

Carton Flow Conveyor Track

Gravity Flow · FIFO Pick · Wheel / Roller · Rack-Ready



GENERAL SPECIFICATIONS

Track Type	Steel wheel / zinc roller
Frame Material	Cold-rolled steel, galvanised
Lane Slope	3° - 5° (adjustable)
Track Length	24" - 144" / 610 - 3658 mm (custom)
Wheel Pitch	1.5" / 2" / 3" · 38 / 51 / 76 mm
Surface Finish	Hot-dip galvanised / zinc
Racking Compat.	Standard beam pockets

SPANTRACK CAPACITIES — UNSUPPORTED SPAN

UNSUPPORTED SPAN		LIGHT DUTY	STANDARD DUTY	HEAVY DUTY		
inches	mm	Roller-Lane (lbs/lin ft) Wheel-Bed (lbs/sq ft)*	Roller-Lane (lbs/lin ft) Wheel-Bed (lbs/sq ft)*	Roller-Lane (lbs/lin ft)	Wheel-Bed (lbs/sq ft)	Wheel-Bed 24" (lbs/sq ft)
36"	914	35	50	100	100	100
48"	1219	35	50	100	100	100
60"	1524	35	50	100	100	100
72"	1829	35	50	100	100	85
84"	2134	35	50	100	100	75
90"	2286	35	45	100	100	65
96"	2438	30	40	100	80	55
102"	2591	25	35	90	70	45
108"	2743	20	30	75	55	40
114"	2896	15	25	65	50	35
120"	3048	10	20	55	40	30
126"	3200	—	—	50	40	25
132"	3353	—	—	40	30	20
138"	3505	—	—	35	25	20
144"	3658	—	—	30	25	15

* Bed only | Values: lbs/linear ft (Roller-Lane) · lbs/sq ft (Wheel-Bed)

KEY FEATURES

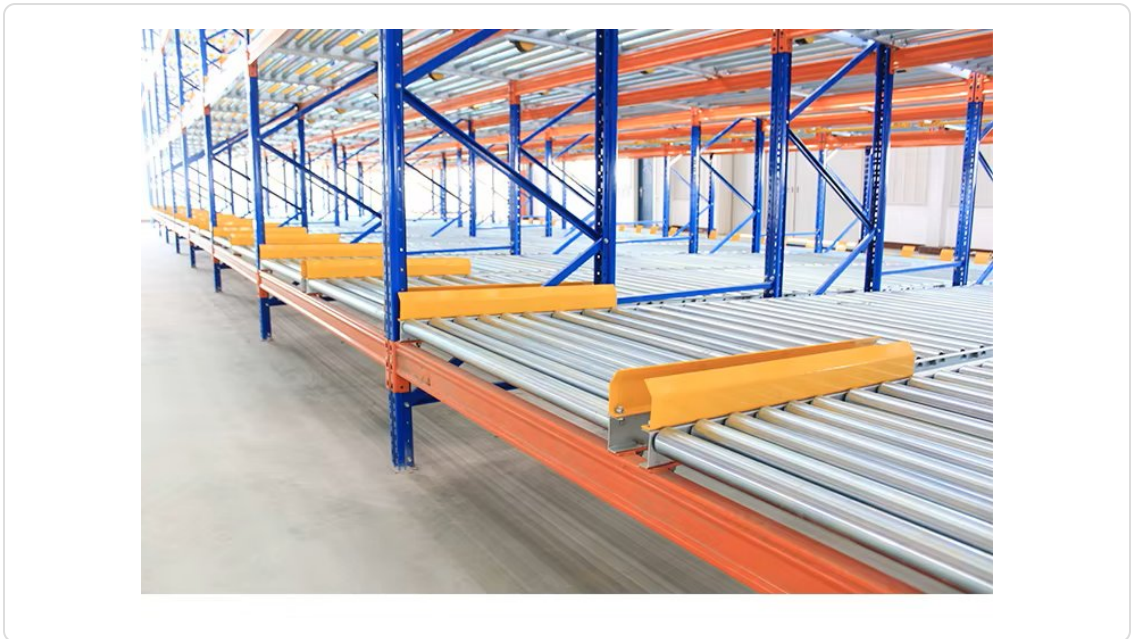
- **FIFO Inventory Control**
Loaded from rear, picked from front — guaranteed first-in, first-out rotation for perishables and date-coded goods.
- **Zero-Energy Flow**
Gravity-driven steel wheel or roller tracks. Slope adjustable 3°-5° to match product weight and throughput.
- **Universal Rack Compatibility**
Fits standard pallet racking beam pockets — retrofit existing bays or specify new. Cut-to-length custom runs available.

PASSX-PGC SERIES

Pallet Racking Gravity Conveyor

Pallet Racking Gravity Conveyor

Pallet Flow · Heavy Roller · FIFO Pallets · High-Density



GENERAL SPECIFICATIONS

Roller Type	Heavy-duty steel tube roller
Roller Diameter	2.0" / 2.5" / 3.0" · 51 / 64 / 76 mm
Frame Material	Structural steel, powder coat
Lane Slope	1.5° - 3.5° (adjustable)
Roller Length	36" - 240" / 914 - 6096 mm (custom)
Roller Centres	4" / 6" / 9" · 102 / 152 / 229 mm
Max Pallet Load	1,500 kg / 3,300 lb
Braking	Speed controller / brake roller

SIZING & CONFIGURATION

Engineered to Order

Pallet Gravity Conveyor systems are custom-engineered to your exact racking bay dimensions, pallet size, load weight and throughput requirements.

Contact Passx Sales for a tailored quote and technical drawing.

► **Lane Width**
Matched to pallet footprint — standard or custom profiles available

► **Lane Depth**
Configured to bay depth — single, double or deep-lane runs

► **Load Capacity**
Roller gauge and centres selected per pallet weight up to 1,500 kg

► **Brake Rollers**
Speed-control rollers positioned to suit slope and load — prevents runaway

► **Rack Interface**
Beam pocket adapters for all major racking brands included as standard

► **Slope Setting**
1.5°-3.5° — factory pre-set or site-adjustable shim packs supplied

KEY FEATURES

- **Integrated Speed Controller**
Brake rollers regulate pallet descent — prevents runaway loads and protects rack structure across slopes 1.5°-3.5°.
- **High-Density Storage**
Deep-lane pallet flow maximises cubic utilisation — up to 60% more pallets vs. selective racking in equivalent footprint.
- **Retrofit Compatible**
Drops directly onto standard pallet racking beams. Lane widths match all major rack profiles and pallet sizes.
- **FIFO Pallet Management**
Load from rear, pick from front — eliminates re-handling and ensures strict stock rotation for date-sensitive loads.

Custom Lengths
Cut-to-order for any bay depth

Rack Compatible
Fits all major racking brands

Passx Support
Design, supply & install

Made to Order
Pallet systems — contact Sales