



Belted Zero Pressure DC Conveyor

EXECUTIVE SUMMARY

The Belted Zero Pressure DC Conveyor (BZPDC) is a zoned belt conveyor that provides zero pressure accumulation of products. A brushless 24 VDC motor is provided in each zone which drives the full width belt. This model works exceptionally well in conveying small cartons due to the small transition gaps between belted zones. The model is also useful for incline and decline conveyors.

OVERVIEW

- Provides zero pressure accumulation of products
- Adjustable speed and acceleration by zone
- Small transition gaps between belted zones
- Energy efficient motor sleeps when not in use
- Eases stress on upstream and downstream equipment by buffering products
- Energy efficient DC motors create whisper-quiet operations
- Low torque motors are safer for operator interactions
- Built-in accumulation logic – Slug or singulation release logic
- Pinpoint LED photoeye at each zone for low profile product (down to 1/2" height)

ROLLER CENTERS
4"

ZONE LENGTH
18" | 24" | 30"

SPEEDS
40 – 200 FPM

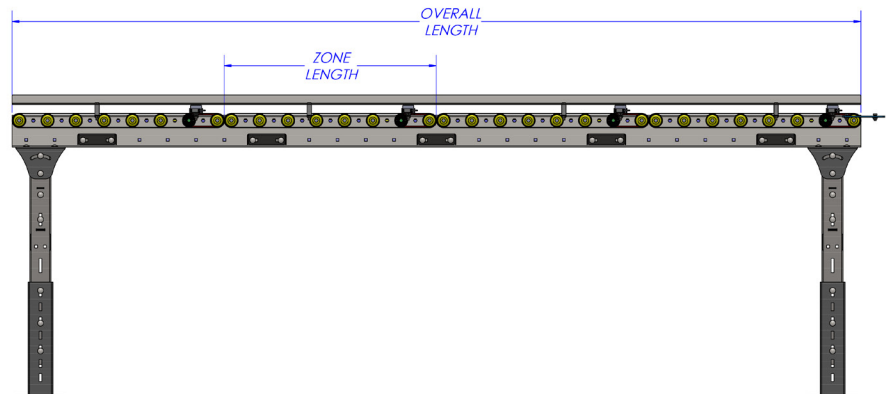
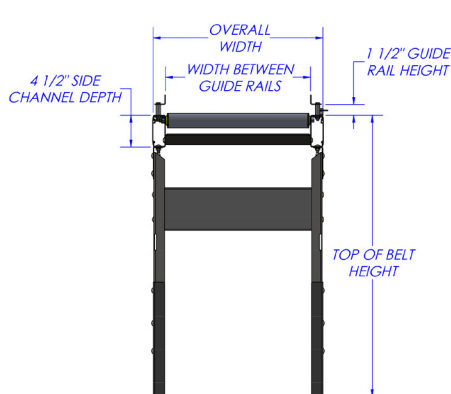
Standard Conveyor Overall Width		18" 24" 30"
Guide Rail Width	14.5" 20.5" 26.5"	
Belt Width	14" 20" 26"	
Zone Length	18" 24" 30"	
Conveyor Weight per 10ft bed section	#215 #230 #245	
Standard Bed Length	10'	
Belt	Advanced elastomeric polymer belt	
Motor	Brushless 24 VDC, one per zone, 18 Watt standard	
Rollers	1.9" dia. X 16 ga. galvanized, spring loaded 7/16" hex axle	
Rollers Centers	4"	
Product Load Capacity	75 lbs per zone	
Speeds	40-200 FPM (65 FPM Standard)	
Sensors	24 VDC retroreflective photoeye	
DC Power Supply	Available in input ranges of 110V and 480V	

APPLICATIONS

- Works with a variety of product sizes and types
- Incline and decline conveyors
- Effective singulation of products for downstream processing
- Dynamic zoning between long and short products

ADDITIONAL EQUIPMENT

- Floor Supports
- Guide Rails
- Ceiling hangers
- Power Feeder
- Nose overs



Warranty: One Year (Please see our warranty for further details)

All information and calculations in the General Guidelines table are based on typical applications.

Please contact Bastian Solutions for other lengths, widths, and configurations.