



Roller Zero Pressure DC Conveyor

EXECUTIVE SUMMARY

The Roller Zero Pressure DC Conveyor (RZPDC) is very quiet, low profile, and modular for system flexibility. This conveyor is often used to accumulate cartons and totes. Each zone has adjustable speed to pull gaps. The brushless 24 V DC motor provides dynamic braking to keep heavier loads within a zone.

OVERVIEW

- Provides zero pressure accumulation of products
- 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
- Adjustable speed and acceleration by zone
- Sleek, low-profile design provides a professional, clean appearance
- 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
2" & 3"

ZONE LENGTH
18" | 24" | 30"

SPEEDS
40 – 200 FPM

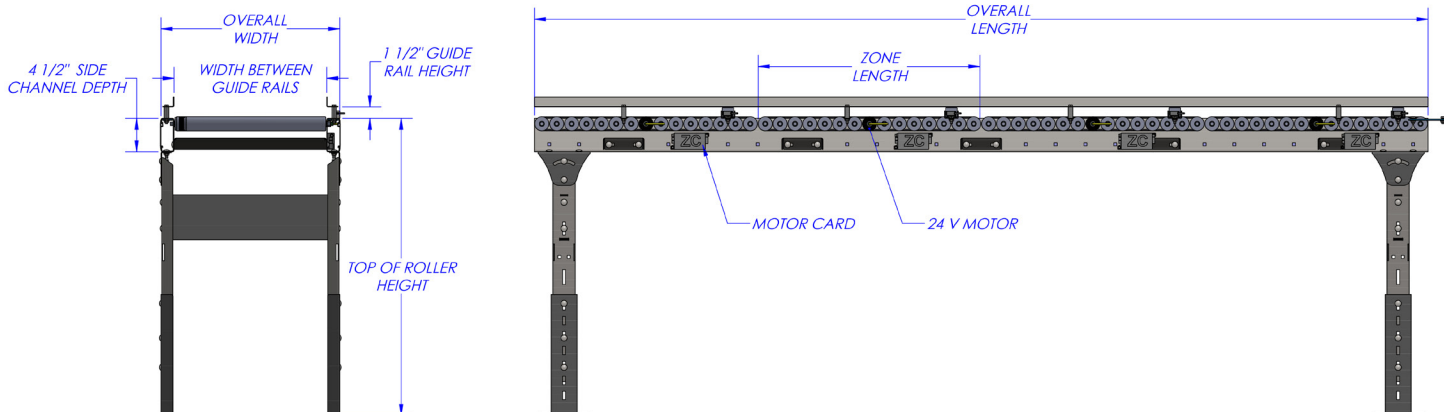
Standard Conveyor Overall Width		18" 24" 30"
Guide Rail Width	14.5" 20.5" 26.5"	
Roller Width	14.5" 20.5" 26.5"	
Zone Length	18" 24" 30"	
Conveyor Weight per 10ft bed section	#321 #351 #381	
Standard Bed Length	10'	
Motor	Brushless 24 VDC, one per zone	
Rollers	1.9" dia. X 16 ga. galvanized, spring loaded 7/16" hex axle	
Rollers Centers	2" & 3"	
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
- General accumulation in warehouses and distribution centers
- Upstream of sawtooth merges and operator stations
- Effective singulation of products for downstream processing
- Pick modules

ADDITIONAL EQUIPMENT

- Floor Supports
- Guide Rails
- Ceiling Hangers
- Reversible Flow



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.