

Transportation Air Live Roller Conveyor (TA)



Automotion's quiet running, versatile and economical live roller conveyor components are important elements of conveyor systems that require side loading and smooth integration of a countless number of processed materials from small to large sizes in weights up to 100 pounds per foot. Automotion's Transportation Air Conveyor provides a positive, non-adjustable driving force to the carrying roller assembly for positive transportation of product loads. The PLC controlled air feature responds to conditions monitored downstream, engaging and disengaging the drive belt as needed.

Automotion's live roller conveyor components are economical, versatile, flexible, durable, and easy to maintain. They feature specially designed belts, and galvanized rollers.



Mechanical Characteristics

Bed Section

6" Deep x 1-3/8" Flange x 10 Gauge frame in 12" increments between 12" and 144".

Galvanized Rollers

1-7/8" Diameter, 16 Gauge, with 7/16" hex axle.

Drives

6", 8", or 10" Center Drives and 6" or 8" End Drives. Lagged pulley with automatic spring take-up on center drive. 8" wide Type 6 Friction x Friction belting.

3/4 HP to 5 HP 230V-460V/3-Phase/60Hz. "C" face TEFC motor with reducer. Speed range is 60-320 FPM.

Terminal End

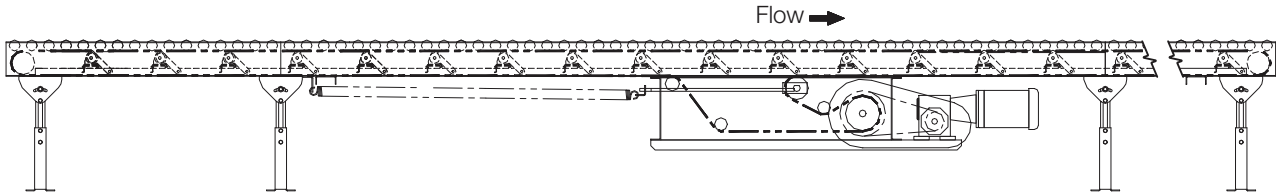
4" or 6" Diameter plain pulley with pop-out roller.

Axle Isolators

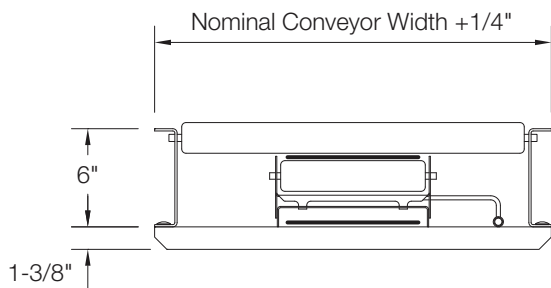
Specially designed conductive plastic insert isolates carrying roller axles from the conveyor frame to reduce noise and prevent wear.

Technical Detail

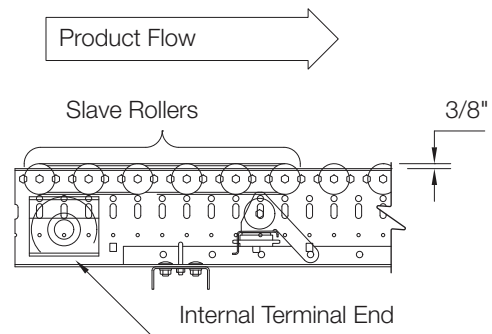
Elevation View



Section View



Elevation View



Specifications

Typical Applications

- Transportation

Live Load Capacity

Up to 100 lbs/ft. depending on width, roller centers, supports, etc.

Nominal Widths

18", 24", 30" and 36"

Between Rail Widths

15-1/2", 21-1/2", 27-1/2" and 33-1/2"

Carrying Roller Centers

2", 3" and 4"

Lifter Roller Centers

6" and 12"

Options

- Take-Ups, Guard Rails, and Supports
- High Speed Rollers (std. over 180 FPM).
- Cog Belt Drive
- Power Take-Off Units
- Pop-Out Carrying Rollers
- Coated Rollers
- Machine Crown Pulleys
- Terminal End Covers
- Pop-Out Roller at Terminal End
- Automatic and Manual Air Brakes
- Powder Coat or Galvanized Finish