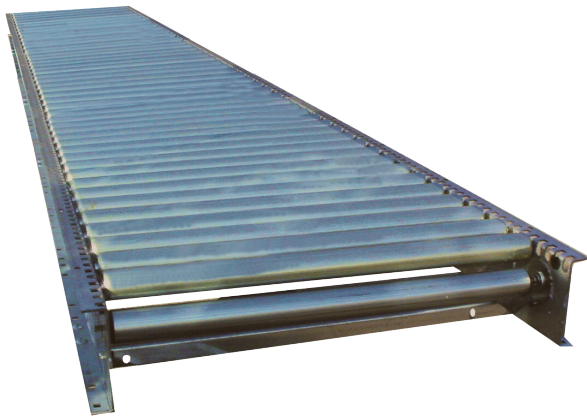


Adjustable Pressure Live Roller Conveyor (AP)



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 Adjustable Pressure Live Roller Conveyors are motor driven with adjustability built-in to adapt to minimum pressure accumulation smoothly and quietly. The pressure roller assemblies are equipped with an adjustable cam. The height of the pressure roller is adjusted by rotating the cam. The cam is stepped so that as it rotates the pressure roller moves upward or downward.

Automotion's pre-engineered components are economical, versatile, flexible, durable, and are easy to install. They feature galvanized rollers, point-by-point cam adjustable pressure rollers, specially designed and easy to replace belts, and are easy to maintain for long life.



Mechanical Characteristics

Bed Section

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

Galvanized Rollers

Carrying:

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

Pressure:

1-7/8" Diameter, 16 Gauge, with 5/16" 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

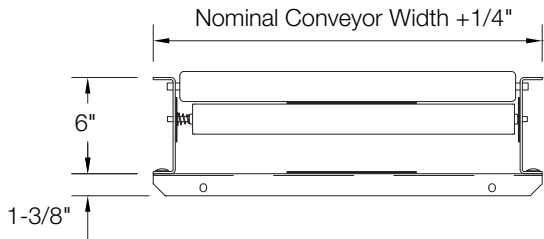
4" or 6" Diameter plain pulley.

Axle Isolators:

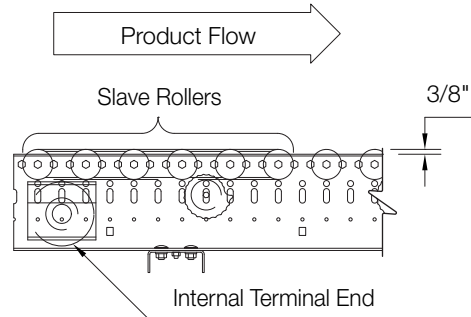
Specially designed conductive plastic insert isolates carrying roller axles from the conveyor frame to reduce noise and prevent wear.

Technical Detail

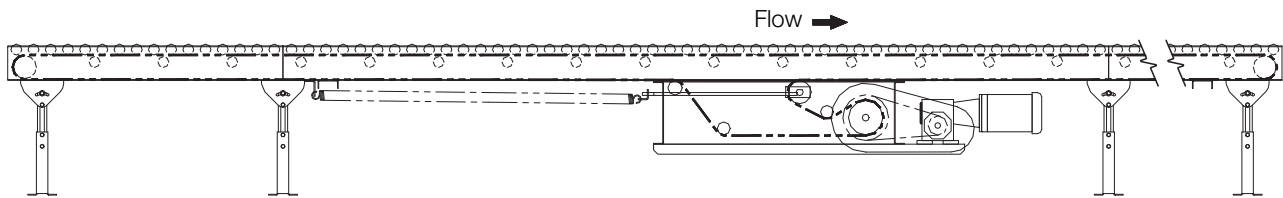
Section View



Elevation View



Elevation View



Specifications

Typical Applications

- Transportation
- Minimum Pressure Accumulation
- Picking Conveyor

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"

Pressure Roller Centers

9"

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 (at air brakes)
- Drop Kit
- Terminal End Covers
- Pop-Out Roller at Terminal End
- Automatic and Manual Case Stops
- Powder Coat or Galvanized Finish