



## Singulation Air Live Roller Conveyor (SA)



### MECHANICAL CHARACTERISTICS

#### Bed Section:

6" Deep x 1 3/8" Flange x 10 Gauge frame in 12" increments between 12" and 144". Accumulation zones 24"

#### 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.

#### Mechanical Sensor Roller Assembly:

1 7/8" Diameter, 16 Gauge carrying rollers with 7/16" hex axles, 1" Diameter, 18 Gauge actuating and counter balance rollers, mechanically actuated air valve.

#### Axle Isolators:

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

### FEATURES

**F**eature-for-feature, no other conveyor on the market matches with Automotion's Zero pressure Accumulation Live Roller Conveyor. This system safely handles loads to 100 pounds per foot.

Automotion's patented pivoting counter-balanced sensor roller assembly maintains super sensitivity without ever requiring adjustment. The sensor requires only 8 ounces of pressure to actuate the air valve. This feature alone eliminates any need for the use of noisy mechanical devices. Our unique design incorporates sleeves mounted on each sensor assembly which virtually eliminates the possibility of cardboard dust from hindering the pivoting action of the sensor.

Automotion's specially engineered Zero Pressure Accumulation Conveyor is the simplest, most maintenance-free unit of its kind on the market. It is economical, versatile, durable, easy-to-install and features galvanized rollers.



### SPECIFICATIONS

#### Typical Applications:

Transportation  
Zero Pressure Accumulation  
Staging  
Diverging & Merging

#### Live Load Capacity:

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

#### Nominal Widths:

18", 24", 30" & 36"

#### Between Rail Widths:

15 1/2", 21 1/2", 27 1/2" & 33 1/2"

#### Carrying Roller Centers:

2", 3" & 4"

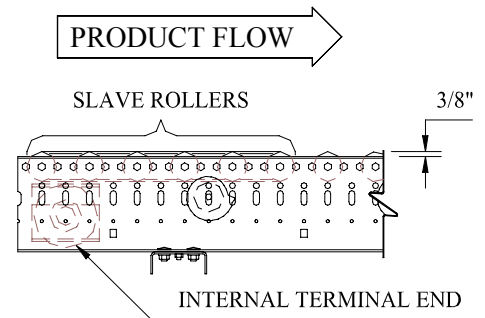
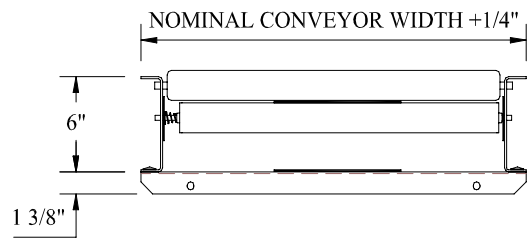
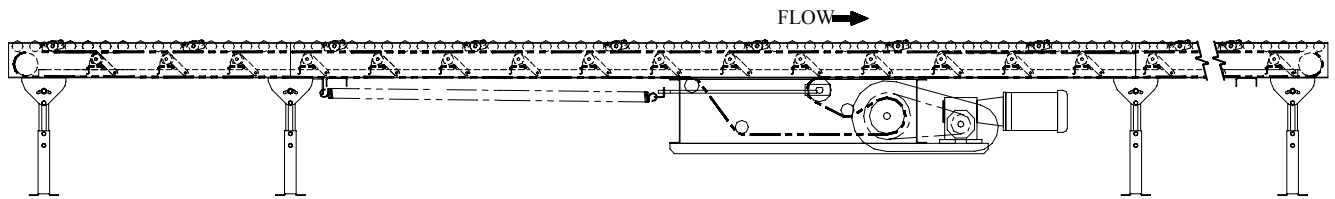
#### Lifter Roller Centers:

6" & 12"

#### Options:

Take-Ups, Guard Rails, and & Supports  
High Speed Rollers (std. over 180 FPM).  
Cog Drive Belt  
Tandem Sensors  
Pop-Out Carrying Rollers  
Urethane Coated Rollers  
Machine Crown Pulleys  
Terminal End Covers  
Automatic & Manual Air Brakes  
Slug Release  
Powder Coat or Galvanized Finish





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