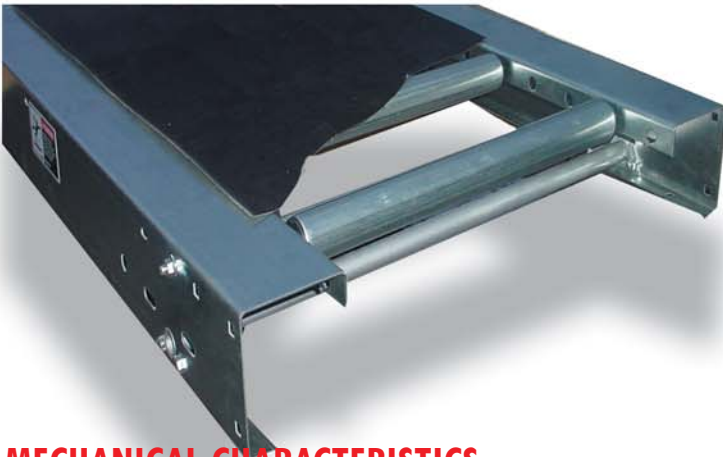




## Roller Bed Belt Conveyor (RB)



### MECHANICAL CHARACTERISTICS

#### Bed Section:

5 1/4" Deep x 12 Gauge frame in 6" increments between 12" and 144".

#### Galvanized Carrying & Belt Return Rollers:

1 7/8" Diameter, 16 Gauge, carrying rollers with 7/16" hex axle. Return rollers on nominal 6' centers, carrying rollers on nominal 6" centers.

#### Drives:

6", 8", or 10" Center Drives and 6" or 8" End Drives. Lagged pulley with automatic spring take-up on center drive. 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", 5" or 6" Diameter plain pulley with pop-out roller.

#### Belting:

Type 1 Friction Surface X Bare Surface.

#### Axle Isolators:

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

### SPECIFICATIONS

#### Typical Applications:

Transportation  
Elevation Changes  
Sortation  
Trash Conveyor  
Pick Belts

#### Live Load Capacity:

Up to 130 lbs/ft. depending on width, roller centers, supports, etc.

#### Nominal Widths:

18", 24", 30", 36", 42" & 48"

#### Standard Belt Widths:

14", 20", 24", 30", 36" & 42"

#### Carrying Roller Centers:

6" & 9"

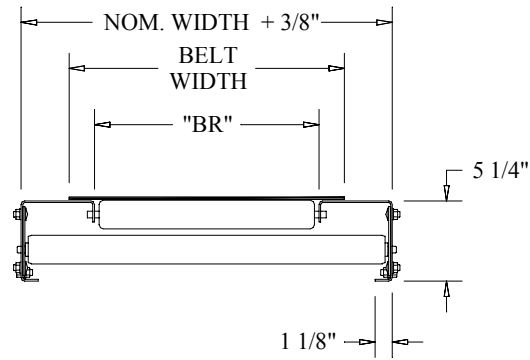
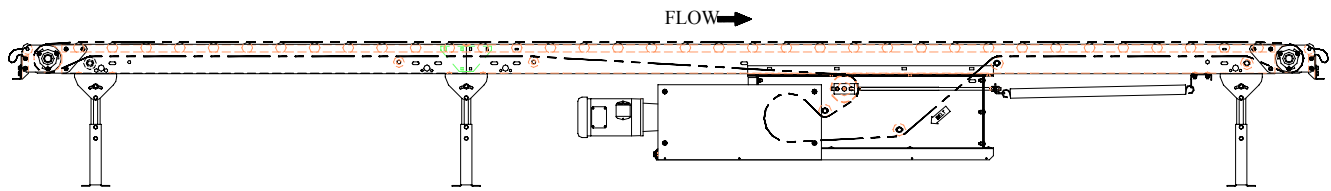
#### Options:

Take-Ups, Guard Rails, and & Supports  
High Speed Rollers (std. over 180 FPM)  
Power Take-Off Units  
Drop Kit  
Bottom Covers  
Terminal End Covers  
Pop-Out Roller at Terminal End  
Punched for Top Mount Guard Rail  
Synchronous Belt Drive  
Cog Belt Drive  
Powder Coat or Galvanized Finish

### FEATURES

All of the advantages and benefits that make a big difference in durability and performance are built into each facet of Automotion's pre-engineered conveyor components.

Automotion's Roller Bed Belt Conveyor make it easy to transport a wide variety in shapes and sizes, up to 100 pounds per foot, to specified destination points in level surface applications as well as in incline and decline applications. Automotion's Roller Bed Belt Conveyors are well supported units that are stable, quiet running, versatile and economical. These units feature extra-strength, non-exposed axle design, a variety of drives and take-up options, built-in box channel design for safety and appearance, and are available in multiple widths to meet your requirements. Automotion's Roller Bed Belt conveyors use C-Faced motors which provide adjustability and variability via reducers to meet speed requirements. All mechanical operations run smoothly and quietly.



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