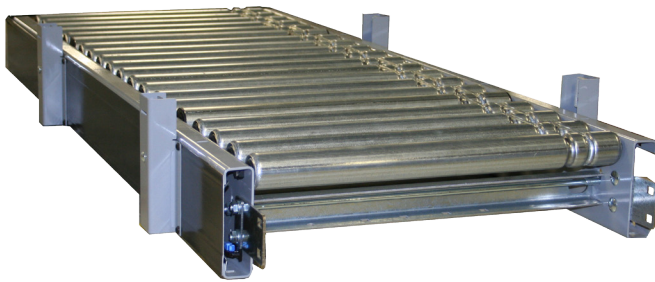


AutoRoll+™ Motorized Roller Accumulation Conveyor (AR+)



Automation AutoRoll+™ Motorized Roller (AR+) conveyor is available in various configurations to support numerous system applications. It is quiet, safe, requires low-to-no maintenance, and offers high speed and non-contact zero pressure accumulation.

AutoRoll+™ can all accumulate product without bumping, getting side-by-side, skewing or jamming. Intermixed products, such as totes, slave pallets and cartons can be handled simultaneously even when there are extreme differences in weights from one product to the next.

AutoRoll+™ conveyor features run-on-demand zones. It only runs when required to advance product, thereby reducing energy consumption and overall noise generation as well as extending the functional life of the conveyor.

AutoRoll+™ has an extremely quiet OSHA approved sound level. Since AutoRoll+™ is run-on-demand, there is no sound generated when the zones are in accumulation mode, or when product is not present.



Mechanical Characteristics

Bed Section

Rollers Low In Frame:

7-1/2" Deep x 1-1/2" Flange x 12 Gauge channel frame with 1-1/2" integral guard rail. Includes full side covers.

Rollers High In Frame:

5-1/2" Deep x 1-1/2" Flange x 12 Gauge channel frame. Includes full side covers.

Rollers

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

Drive Rollers

(1) Automation 24VDC brushless motor driven roller per accumulation zone. Includes wire harness, ERSC motor control card with accumulation logic.

Sensor

Side-mounted 24VDC polarized retro-reflective photo-eye.

Axle Isolators

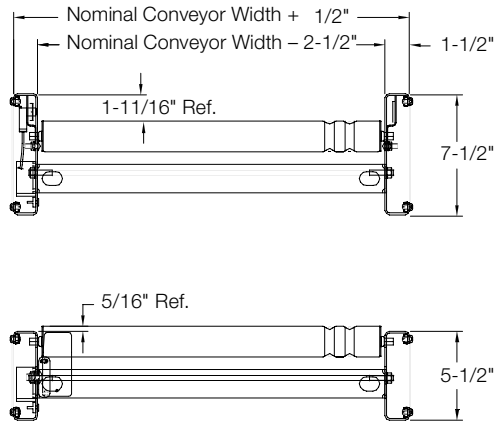
Specially designed conductive plastic insert isolates carrying roller axes from the conveyor frame to reduce noise and prevent wear.

Finish

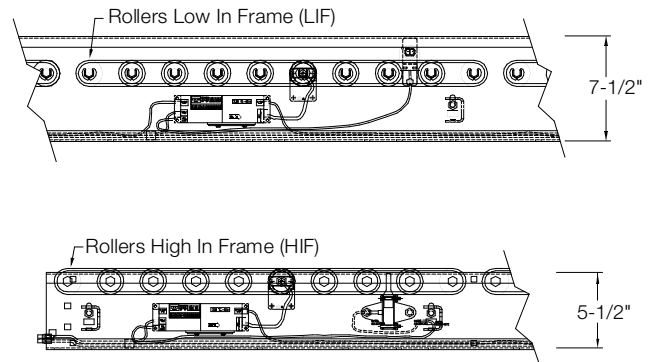
Conductive powder coated paint to prevent static charge build-up.

Technical Detail

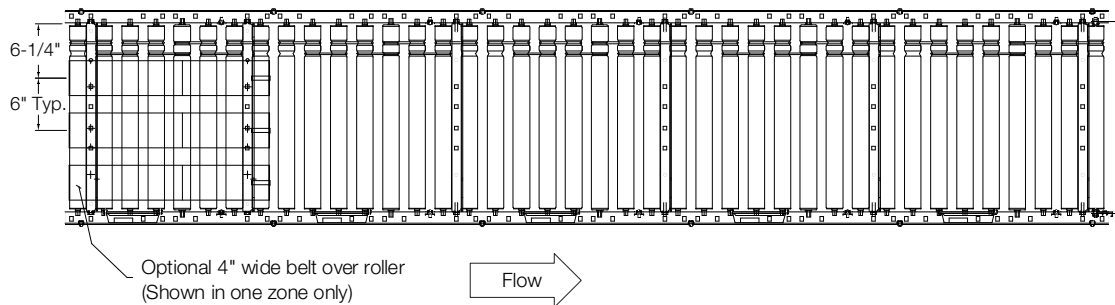
Section View



Elevation View



Plan View



Specifications

Typical Applications

- Indexing
- Zero Pressure Accumulation
- Staging

Live Load Capacity

75 lbs. per carton

Nominal Widths

18", 24", 30" and 36"

Carrying Roller Centers

3"

Options

- Guard Rails and Supports
- Hi-Speed Rollers
- Belt-Over-Roller
- Punch for top mount guardrail