

CUT SHEET

IntelliROL®

Powered Gate



INTELLIROL POWERED GATE

The gate provides a break in the conveyor line for pedestrian traffic and maintenance access. The power source must be from the charge side. The gate consists of a 4' pivoting bed and a 1' adjoining bed. Gates are available in right hand and left-hand lifts.

The gate requires a ½" gap between the discharge end of the lift gate section and the downstream conveyor for clearance.

Zones are not used in the gate in an accumulation system. When a gate is used in transportation, controls must be in place to stop product when the gate is in the "up" position. The gate must be free of product before rising for pedestrian use. The conveyor must stop when the gate is open. Limit switch is provided with gate, wiring must be done in the field.

The lift gate operates with two gas springs that are used for counterbalance when the gate is raised and lowered. The gas springs are attached inside each gate side channel.

The powered lift gate is used for limited access to the opposite side of the conveyor. The lift gate is rated for a maximum of (5) cycles per 8 hour shift or 125 cycles over a (7) day period.

STANDARD SPECIFICATIONS

Standard Bed Lengths:

Length 5' total; 4' lift gate and 1' base section.

Standard Driver Cards:

Transportation conveyor based on the Itoh CBM-105 and IB-E03 driver card and FE-60 motorized roller. Each driver card is wired to power using a power harness with a male connector at the charge end and a female connector at the discharge end.

Bed Widths:

Available in 16", 22", 28" and 34" BF

Product Weight

50 lbs./ft or 75 lbs. total

Drive Rollers:

ITOH FE-60 with a maximum of 30 start/stop cycles per minute.
One MDR drives each roller group. One driver card per drive roller.

Idler Rollers:

1.9" Diameter 16 Ga. plated shell with ABEC-1 bearings and a 7/16" spring loaded hex axle. Mounted high in C6 channels. Rollers are available in 2" or 3" centers.

Paint

Components located within the framework are painted black. All other components are painted job color. All MHS Conveyor paint is powder coated.

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Features	Benefits
Run on demand	Quiet operation, low energy consumption
Standard software routines	Rapid start up, reliability
Many proven accessories	Application-specific
Standard modular construction	Systems easily reconfigurable
Unique frame design	Total electronic component protection
Electronic sensing	No minimum weight restrictions
Pre-mounted and pre-wired electrical components	Economical, easy installation

ABOUT MHS CONVEYOR

MHS Conveyor is a leading worldwide supplier of dynamic, high-quality automated conveyor and sortation technologies used to transport a wide variety of products. MHS Conveyor manufactures high-quality equipment, sold through a partner network of factory-authorized distributors as part of complete, integrated logistics solutions engineered to meet the needs of each customer.

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