



INTELLIROL 30-DEGREE WHEEL DIVERTER

MHS Conveyor IntelliROL (ITR) wheel divert allows product to be diverted off the main line to a 30° spur using pop up wheels. Product will always need to be edge aligned to the divert side prior to diverting.

Adjusting the speed control for individual motorized rollers in the attached spur will assure proper speed required to smoothly transfer the product off the main line.

The wheel divert is intended for single location diverting only. Using multiple wheel diverters may require additional gap due to gap erosion when conveying and tracking product on roller conveyor. Spur and abutting bed length are determined by the width of the conveyor.

4 Rows, 2-1/4" diameter wheels driven by round belts from a motorized roller. Each divert wheel row is mounted to pivoting weldment assembly which rises up with actuation of an air cylinder. With using the two solenoid option, two wheel rows are controlled by a separate solenoid. The four solenoid option allows for independent control of each solenoid which controls one wheel row. This method will provide smaller gaps and increase the throughput rate.

STANDARD SPECIFICATIONS

Bed Lengths

16" and 22" Abutting / divert bed = 5'-0", spur bed = 4'-0"
 28" and 34" Abutting / divert bed = 7'-6", spur bed = 6'-0"

Bed Widths

Beds are available in 16", 22", 28" and 34" BF. Abutting / divert bed and spur are the same BF.

Divert Capacity

50 lbs. /ft. or 75 lbs. per product

Orientation

Both right hand and left hand flow are standard

Air Pressure

40 PSI recommended

Pneumatic Lift Solenoid

(2) Or (4) 24 VDC solenoids are mounted and piped to diverter

Roller and Wheel Drive Belts

High drive 3/16" diameter urethane

Accessories

CRUZchannel shrouds and bottom pans

Paint

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

CUT SHEET

IntelliROL® Wheel Diverter



Adjustable speeds between 25 FPM to the maximum speed of 180 FPM.

Transportation conveyor based on the CBM-105 drivercard, FE-60 motorized roller and ITR CB Electrical Components.

Features	Benefits
Modular design	Easy to reconfigure
Run on demand	Less noise, wear, and energy
Low voltage	Safety and lower cost
Simple Installation	Lower cost
Variable speed	Versatility to suit each requirement
Four rows of high-friction divert wheels	Reliability of divert, maintains product orientation
Modularity of divert mechanism	Allows easy re-configuration of system

ADD Patent Number

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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