



CONVEYING RAILS

PERMANENT CONVEYING RAIL

Hold Ferrous Parts Firmly To Your Belt During Conveying. IMI's Magnetic Conveying Rail utilizes powerful permanent magnets to hold ferrous parts such as steel containers, composit cans, cans and lids firmly in place during conveying.

The magnetic rail is installed as a stationary component and allows the conveyor belting to ride over the top of it. The strong magnetic field holds parts tightly to the belt surface, even during vertical, inclined or horizontal conveying. Conveying speeds can be increased while eliminating the slipping or rolling of items.

Additional benefits include better utilization of space within a facility, noise reduction, correct part orientation and on-time material flow.

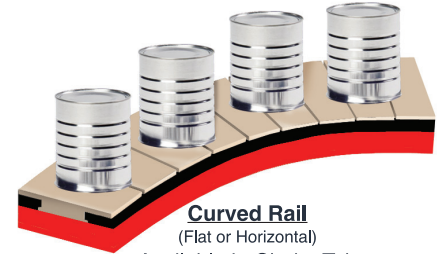
IMI has a full line of quality magnetic components available in a wide variety of sizes and strengths to meet your application needs.

BENEFITS:

- » Increased production rates
- » Uniform part orientation and holding



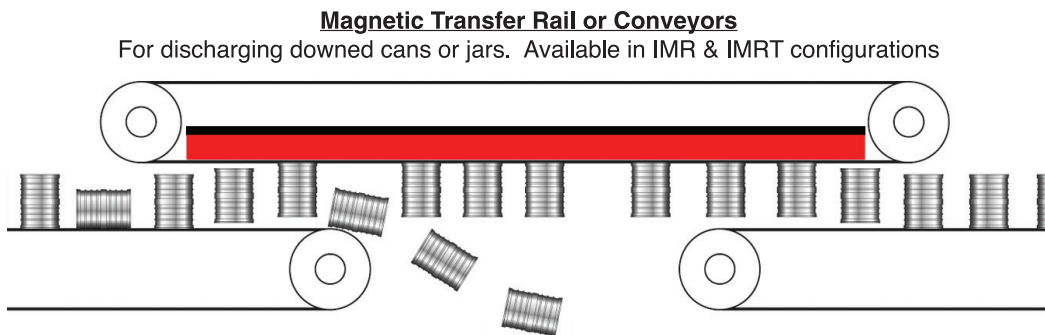
Liquid Test Bath Rail
Single or Multiple Lane Designs



Curved Rail
(Flat or Horizontal)
Available in Chain, Tab Chain and Cable configurations

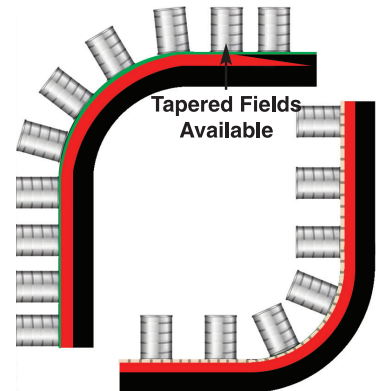


Straight Rail
Available in all 6 rail configurations (see next page)



Magnetic Transfer Rail or Conveyors
For discharging downed cans or jars. Available in IMR & IMRT configurations

Outside Radius Design
Available in all 6 rail configurations



Tapered Fields Available

Inside Radius Design
Available in Tab Chain designs

FEATURES:

- » Powerful Permanent Magnets
- » Straight, curved or radius designs
- » Several standard rail designs for Chain, Tab Chain, Cable, T-Rail and Belt Conveying systems

OPTIONS:

- » Customized Designs
- » Ceramic or Rare Earth Magnet material
- » Customer specified mounting holes
- » Tapering magnetic fields for smooth transitions to/from magnetic rail sections
- » Electro Rail with On/Off capability, see Tech Sheet AG-01C
- » Waffle Top Wrappers

TOLL FREE **1.888.582.0823** imi@magnetics.com

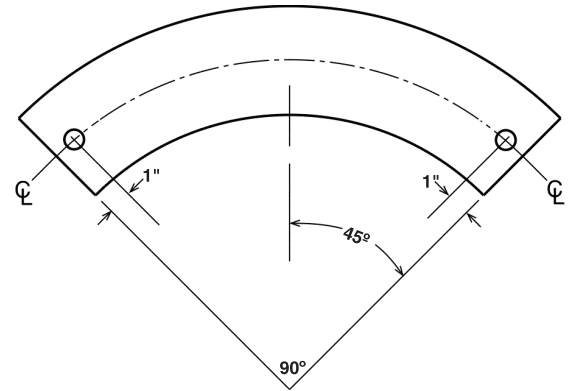


CONVEYING RAILS

CONVEYING RAIL SPECIFICATIONS

Specifications:

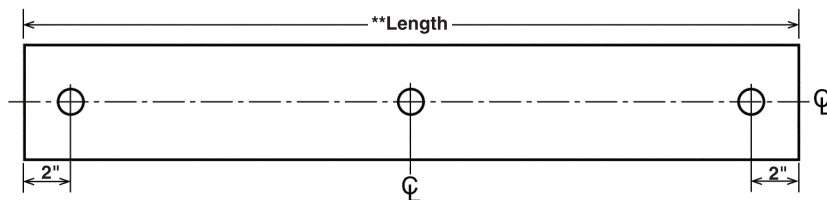
- » Stainless and Mild Steel Composition
- » Heavy Duty, all-welded construction
- » Specifications vary with type of rail provided, see Tech sheet AG-01A for further reference



Curved Permanent Magnetic Rail

PERMANENT MAGNETIC CONVEYING RAIL DIMENSIONS:

- » **Length - Provided in customer specified lengths up to 8 ft.
- » Straight Rail mounting holes are centered 2" in from both ends of the magnet on the backplate
- » Maximum distance between mounting holes is 24" on center
- » Curved rail mounting holes are centered 1" in from each end of the magnet
- » Custom sizes and mounting hole patterns are available upon request



Straight Permanent Magnetic Rail

INSTALLATION:

- » To ensure the right magnet for your application, please provide any product samples and belting specifications prior to placing order.
- » Non-ferrous mounting framework is recommended for optimum magnet performance

*Dimensions representative of product at date of publication. If dimensions are critical, call for up-to-date changes.

Cable			
Style	A	B	Approx. Wt.
Cable	0.81"	2.92"	3 Lbs./Ft.

T-Rail				
Style	A	B	C	Approx. Wt.
Light Duty	1 1/16"	5/8"	1 5/8"	2 Lbs./Ft.
Med. Duty	1 1/16"	1 7/32"	3"	3 3/4 Lbs./Ft.
Heavy Duty	2"	1 3/8"	3 5/8"	5 Lbs./Ft.

IMR, IMRT, Chain & Tab Chain			
Style	A	B	Approx. Wt.
IMR2	9/16"	2 1/16"	3 Lbs./Ft.
IMR4	13/16"	4 3/16"	8 Lbs./Ft.
IMR6	1 1/16"	4 3/16"	10 Lbs./Ft.
IMR8	1 5/16"	4 3/16"	11 3/4 Lbs./Ft.
IMR12	1 15/16"	4 3/16"	16 1/2 Lbs./Ft.
IMR16	2 9/16"	5 3/16"	26 1/4 Lbs./Ft.

Key Markets

Food & Beverage Container Manufacturing, Oil & Air Filter Manufacturing

Related Products

Palletizers/Depalletizers