



CONVEYOR LINE

ELECTROMAGNET CONVEYING RAIL

Hold ferrous parts firmly to your belt during conveying. IMI's Magnetic Electro-Rail is commonly used for automated conveying, transferring and lifting of steel sheets and parts in various industries including: Automotive, Appliance, and Office Furniture. Electro-Rail eliminates the need for costly and time-consuming manual handling and feeding of presses, magnetic electro-rail increases production speeds and improves safety. They also are ideal for use in conjunction with many Magnetic Skate Rail applications.



Using a powerful electromagnetic circuit to hold steel objects during conveying, these electromagnets provide on/off capability and allow the user to control drop points throughout the system.

Applications:

- » Automated Sheet Handling
- » Transfer of parts between presses
- » Stacking/Destacking
- » Overhead Conveying

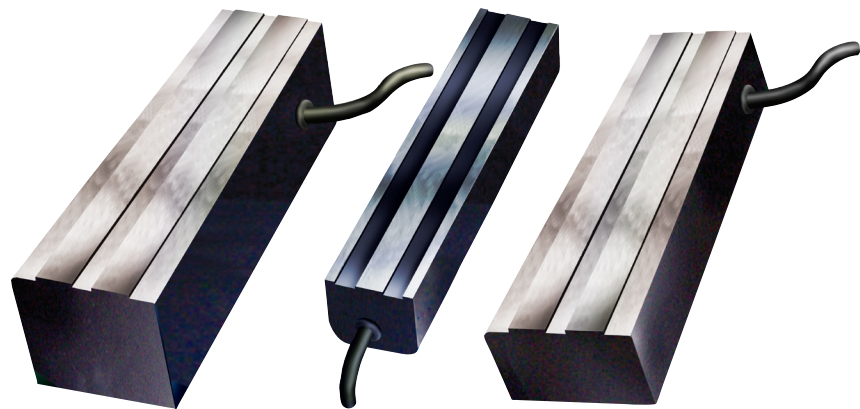
Benefits:

- » Automated press feeding
- » Controlled Drop Points

Heavy Duty

Light Duty

Medium Duty



FEATURES:

- » Continuous duty
- » On/Off cycling for drop zones
- » Handles variety of sheet thicknesses
- » Industrial duty construction
- » Stainless steel housing
- » Rapid cycling capabilities
- » Pre-tested coils prior to delivery
- » Customer specified mounting

OPTIONS:

- » Customized designs readily available
- » Standard and custom power supplies (See Tech Sheet AG-10B)
- » 3 pin, automotive-style, power cable connectors (3 Ft. increments)
- » Waffle top Stainless construction
- » Epoxy potted for impact/vibration resistance

Key Markets

Stamping, Fabrication, Blanking

Related Products

Sheet Fanners, Transporters®, Electromagnets

TOLL FREE 1.888.582.0823 imi@magnetics.com



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CONVEYING RAIL SPECIFICATIONS

Dimensions and Specifications Standards.

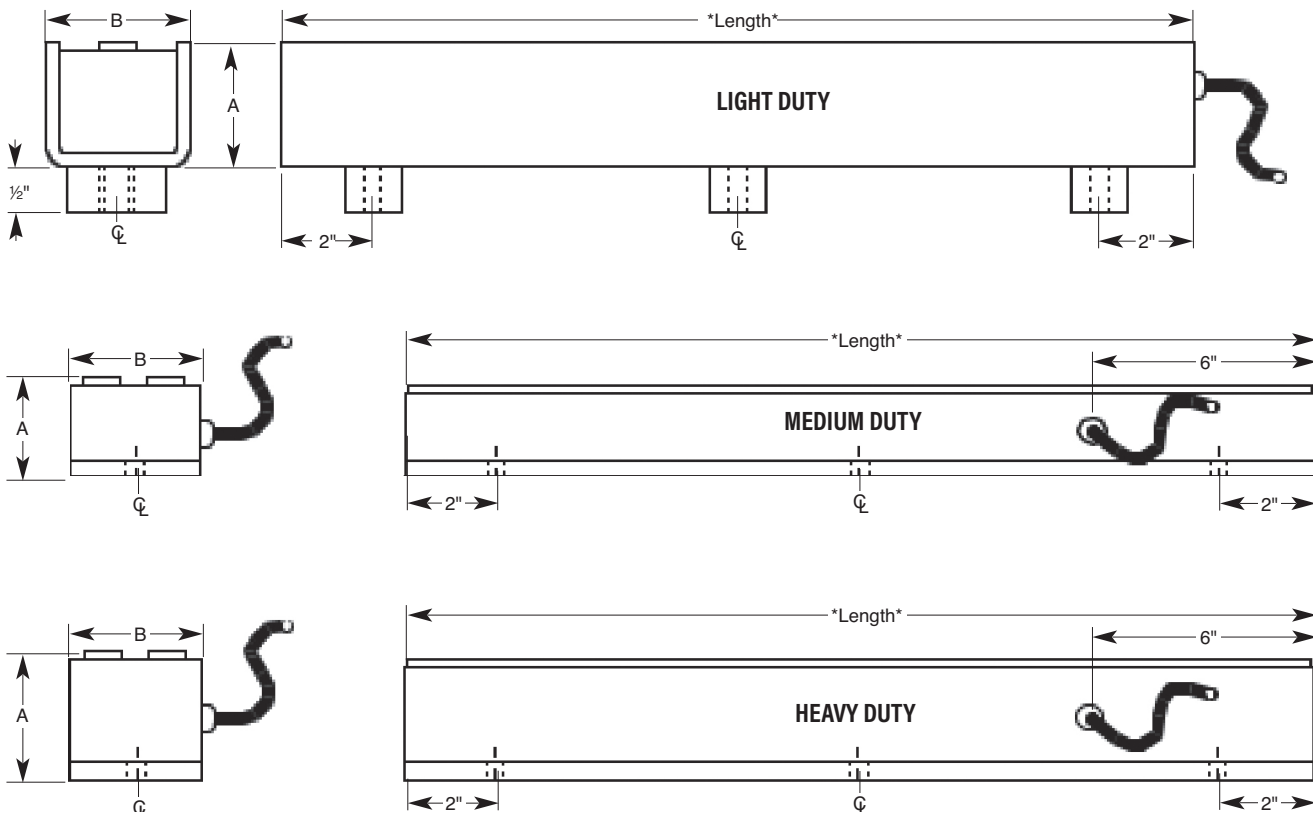
Specifications:

- » Stainless steel and mild steel construction
- » 110v DC operation
- » 70° - 90° C temperature rise
- » SJO Cable (36" Standard Length) with Strain Relief Fitting

Installation:

- » Non-ferrous mounting framework is suggested
- » Customer mounting configurations are required to ensure correct product design and application

ELECTROMAGNETIC CONVEYING RAIL DIMENSIONS:



TYPE OF RAIL	HEIGHT A	WIDTH B	APPROX. WT. LBS./FT.	APPROX. WATTS/FT.	*LENGTH*
Light Duty	2¼	2½	12	50	Length is specified as required by project.
Medium Duty	2½	3¾	20	100	
Heavy Duty	3¾	4½	33	125	

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