

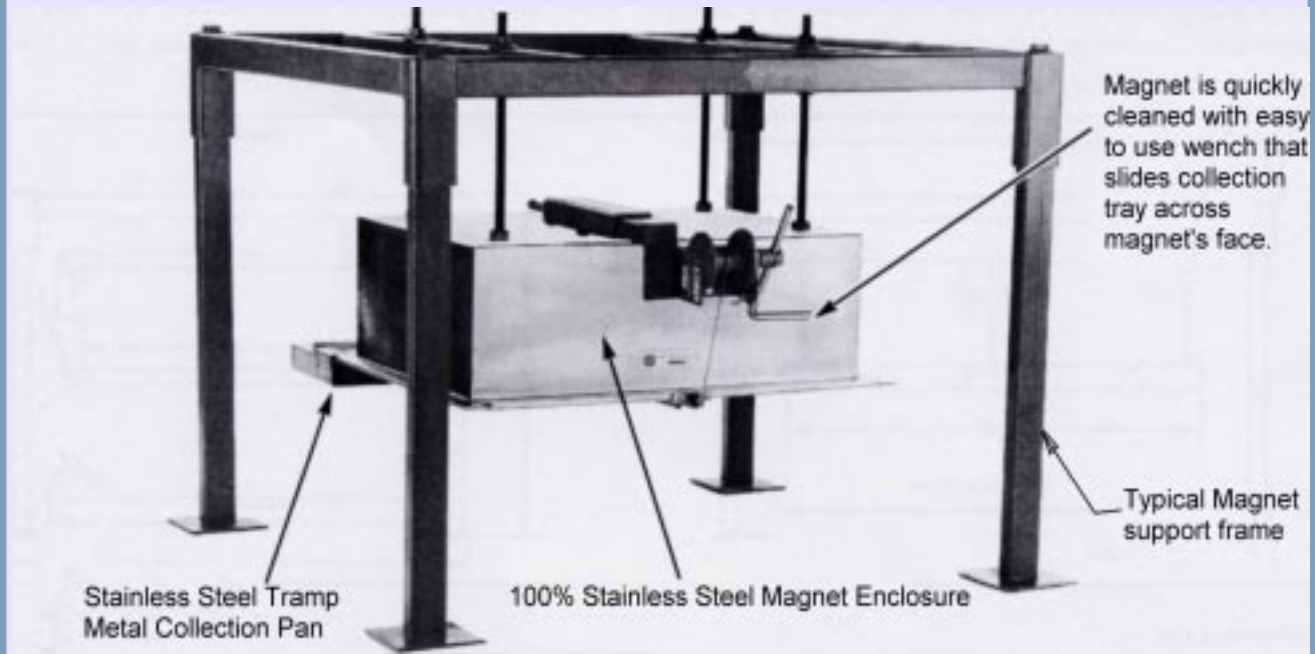


PRODUCT BULLETIN

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SUSPENDED PERMANENT PLATE MAGNET WITH CLEANING APPARATUS



APPLICATION:

RBM Series Receiving Belt Magnets are designed to remove both large and small types of tramp metal from product streams conveyed by belts for speeds up to 700 feet per minute. The tramp metal that is captured by the magnet accumulates across the entire magnetic face, substantially increasing the amount of tramp iron the magnet can retain before cleaning is required.

OPERATION:

RBM Series magnet consists of a large plate magnet mounted inside a support frame and suspended over the conveyed product stream. The receiving belt magnet should be suspended approximately 5 to 8 inches above the product stream for optimum tramp metal removal. The magnet should be located in an area that has easy access to allow for proper maintenance. Also, the magnet should operate in an area of the belt where no integral parts of the conveyor can become magnetized; such as idler rollers or belting support plates, as this may cause excessive wear on the conveyor system.

To clean the magnet, simply turn the collection pan winch to draw the pan across the magnet face. The pan retains the tramp metal as it is removed from the magnet. Once the pan is drawn entirely across the magnet face, it can be removed, emptied and re-installed on its track and positioned back to the magnets far side.

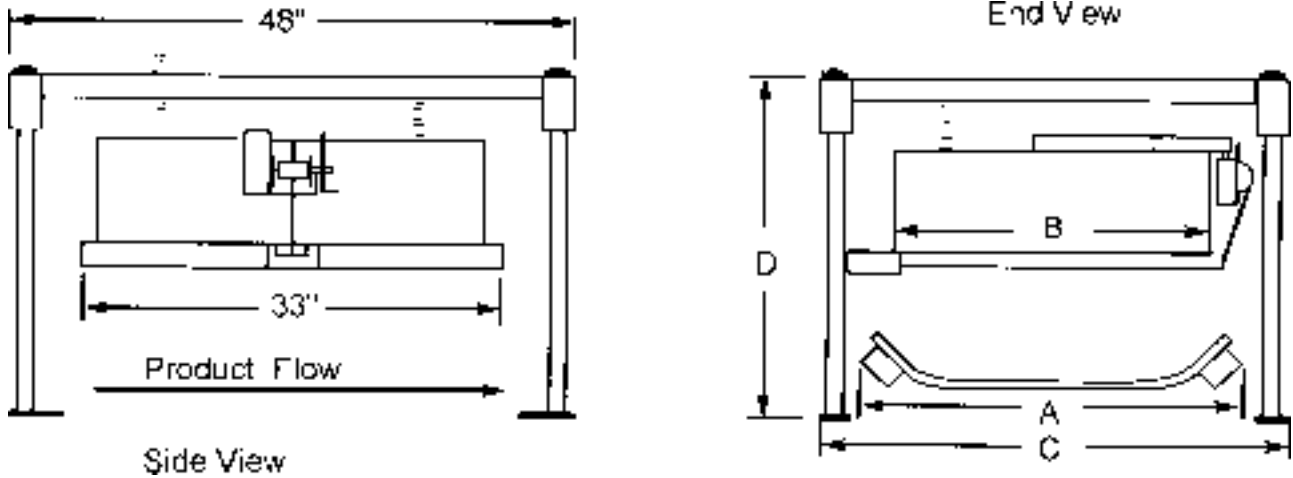
STANDARD FEATURES:

- Permanent Ceramic Magnet—will not demagnetize, create heat or require electricity to operate
- 100% Stainless Steel enclosed magnet
- Magnet's support bolts allow 12' of vertical height adjustment over belt
- Stainless steel collection pan for quick magnet cleaning
- Heavy-duty sanitary design support frame.
- Rugged all-welded construction
- Five standard sizes available

OPTIONAL FEATURES:

- Self-cleaning models
- Custom support frames
- Available without support frames

GENERAL LAYOUT DIMENSIONS FOR SUSPENDED PLATE MAGNETS



These cleanable suspended plate magnets are available in sizes ranging from 18” to 42”. To determine frame dimensions, measure the outside dimension of the existing idler roller support frame, this will give the frame width dimension (“C”). To determine the frame height dimension (“D”), measure the distance from the point where the support frame will mount to a point 6 inches above the center of the conveyor belt, then add 25 inches to that measurement to arrive at the height dimension “D”. The magnet has a adjustable height of 12 inches from the top of the frame.

MAGNET WIDTH (INCHES)	BELT WIDTH DIM (A)	MAGNET WIDTH DIM (B)	APX. UNIT WEIGHT (POUNDS)
18	24	18	950
24	30	24	1,300
30	36	30	1,600
36	42	36	1,900
42	48	42	2,300