



# PERMANENT MAGNETS

## Self-Cleaning / Stationary

Engineers and Manufacturers of Washing, Vibrating and Crushing Equipment

### Description

Trio's self-cleaning **Permanent Magnets** are suspended overhead magnets designed for removing steel and other magnetic materials from aggregate, recyclable, and other materials during the crushing, screening and sorting processes.

The magnets are powerful, computer designed, models mounted in heavy-duty steel frames. The magnets are traversed by a heavy-duty, armored belt running on two pulleys. These conveyors can be driven by either electric or hydraulic motors.

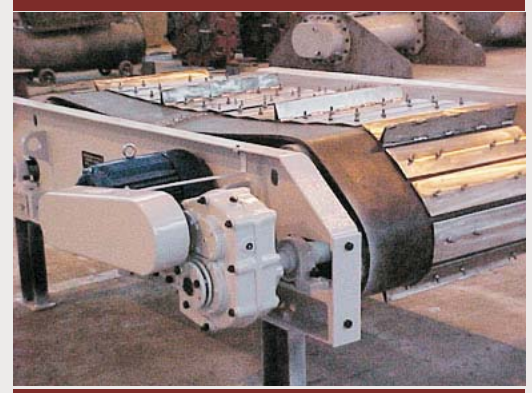
Magnets can be utilized in both cross-belt (perpendicular to the conveyor processing the material) and in-line applications (same direction as the conveyor). As ferrous material passes under the magnet, it is attracted upward at which time the armored belt lifts the debris out of the conveyor burden and transports it away from the magnetic field and away from the conveyor.

Original costs can be recovered in a short period of time due to savings originated from a reduction in manpower, fewer production stoppages, higher percentage of reclaimed scrap, upgraded better quality end product, and fewer maintenance problems with down-line machinery.

Compared to electro-magnets, these permanent magnets require no electrical source for the magnet, are lighter in weight, have smaller dimensions, are relatively maintenance free and are less expensive to purchase, install and operate.

Units are maintained in stock and available for immediate delivery.

Distributed by:



### Applications

- Mixed Demolition Debris
- Crushed or Broken Concrete
- Hard Rock Crushing
- Mixed Solids at MRF Facilities
- Shredded Tires
- Organic Composting

### Models/Sizes

#### Self Cleaning

- CRP30 — 30" x 36"
- CRP36 — 36" x 42"
- CRP42 — 42" x 48"
- CRP48 — 48" x 54"
- CRP54 — 54" x 60"

#### Stationary

- CRPS30 — 30" x 36"
- CRPS36 — 36" x 42"
- CRPS42 — 42" x 48"
- CRPS48 — 48" x 54"
- CRPS54 — 54" x 60"

### Other Considerations

- One Year Warranty
- Quick Deliveries
- Off-the-shelf parts
- Nationwide distribution
- Superior Quality
- Low Price Guarantee

### Specifications

- Heavy steel side plates
- Solid steel core
- Two pulley design
- 300 FPM belt speed (variable)
- Stainless steel armored belting
- Lagged head pulley
- Screw take-ups on tail pulley
- Standard gray paint



Trio Engineered Products, Inc. 128 Schabarum Avenue • Irwindale, CA 91706

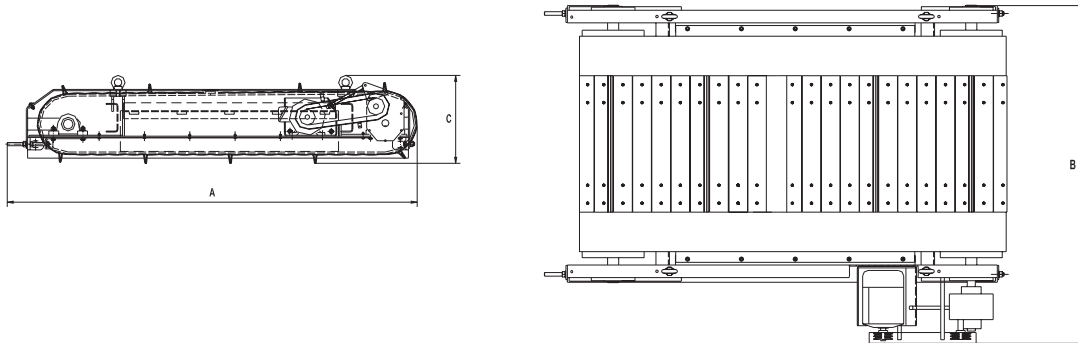
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### Self-Cleaning Permanent Magnets

Model	Magnet Size	Gauss @ 6"	Gauss @ 9"	Gauss @ 12"	Max Effective Height		Distance For 1/2" Nut		Weight	
					(in)	(mm)	(in)	(mm)	(lbs)	(kg)
CRP30	30" x 36"	1000	540	400	10"	254	9"	228	3,000	1361
CRP36	36" x 42"	1230	840	520	13"	330	9"	228	3,600	1633
CRP42	42" x 48"	1420	980	650	13"	330	9"	228	4,200	1905
CRP48	48" x 54"	1470	1050	750	13"	330	9"	228	4,800	2177
CRP54	54" x 60"	1520	1150	870	13"	330	9"	228	5,400	2449

### Dimensions

Model / Dimension		A (in) (mm)		B (in) (mm)		C (in) (mm)	
CRP30	CRSP30	76"	1930	54"	1371	19"	482
CRP36	CRSP36	89"	2260	62"	1574	22"	558
CRP42	CRSP42	95"	2413	68"	1727	22"	558
CRP48	CRSP48	101"	2565	74"	1879	22"	558

### Stationary Permanent Magnets

Model	Magnet Size	Gauss @ 6"	Gauss @ 9"	Gauss @ 12"	Max Effective Height		Distance For 1/2" Nut		Weight	
					(in)	(mm)	(in)	(mm)	(lbs)	(kg)
CRPS30	30" x 36"	1000	540	400	10"	254	9"	228	2000	900
CRPS36	36" x 42"	1230	840	520	13"	330	9"	228	2,600	1200
CRPS42	42" x 48"	1420	980	650	13"	330	9"	228	3,200	1500
CRPS48	48" x 54"	1470	1050	750	13"	330	9"	228	3,800	1700
CRPS54	54" x 60"	1520	1150	870	13"	330	9"	228	4,400	2000



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