

PRO GRADE[®]

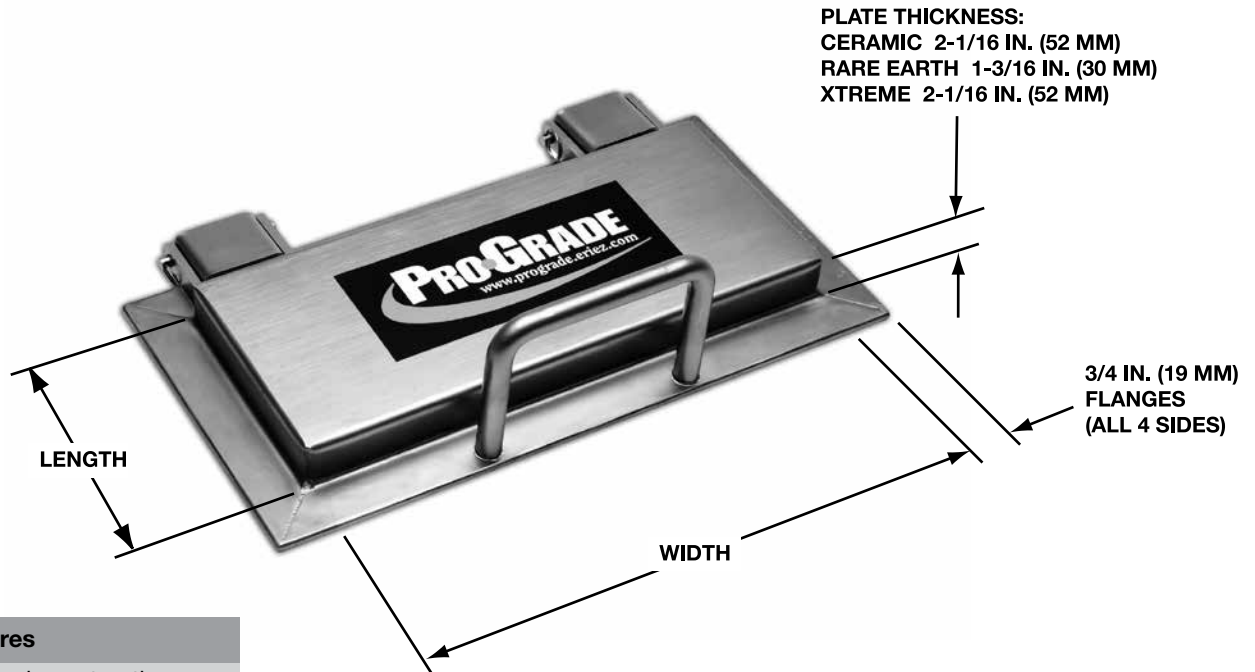
ERIEZ[®]

Magnetic Separators



PRODUCT CATALOG

PLATE MAGNETS



Standard Features

- All stainless steel construction
- Smooth face with hinges (Ceramic magnets)
- Milled 400 SS step face with hinges (Rare Earth)
- Glass bead surface finish
- Sanitary finish (Rare Earth)



Eriez Permanent Plate Magnets, the workhorses of magnetic separation, provide dependable and economical solutions to problems associated with tramp iron contamination in processing lines. Plate Magnets installed in chutes, spouts, ducts, pipes, or suspended over conveyors remove tramp iron to help prevent costly shutdowns associated with machinery damage... prevent spark-caused fires and explosions... prevent product contamination and improve product purity.

CERAMIC

Width		Length		Grainger Part No.	Eriez Part No.
in	mm	in	mm		
6	152	7-5/8	194	1ULW8	135711P
8	203	7-5/8	194	1ULW9	135667P
10	254	7-5/8	194	1ULX1	135712P
12	305	7-5/8	194	1ULX2	135668P
16	406	7-5/8	194	1ULX3	135713P
20	508	7-5/8	194	1ULX4	135714P
24	610	7-5/8	194	1ULX5	135715P

RARE EARTH

Width		Length		Grainger Part No.	Eriez Part No.
in	mm	in	mm		
6	152	5-1/2	140	1UMB1	129906P
8	203	5-1/2	140	1UMB2	129908P
10	254	5-1/2	140	1UMB3	129910P
12	305	5-1/2	140	1UMB4	129912P
14	356	5-1/2	140	1UMB5	129914P

FERROUS TRAPS

MODEL B



Standard Features

- All 316 stainless steel construction
- Cast body
- Pressure up to 150 psi
- Glass bead surface finish
- Ferrule units sanitary construction
- For product and CIP temperatures up to 250° F



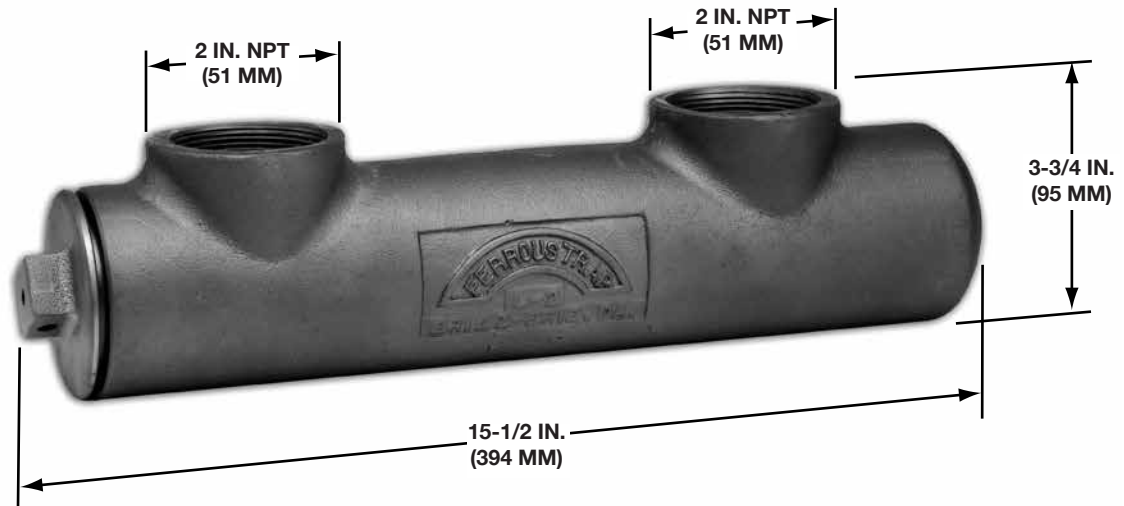
These powerful permanent magnetic traps provide protection for liquid lines and sensitive processing equipment such as pumps. They preserve product purity by removing small particles of magnetic scale, rust and fine iron contamination.

The magnetic element, consisting of a group of magnetic tubes, is arranged to cause the material flow entering the body to impinge against the tubes and filter through the magnetic field, completely covering the open area. This arrangement takes advantage of the material change in direction and the difference in inertia between the unwanted iron and the material carrying it. The magnetic circuit is designed so the entrapped iron will have a tendency to work around and cling to the down-stream side of the tubes...this action prevents iron particles from being washed off by the continuous flow of material.

RARE EARTH

Pipe Size	Length		Height		Sanitary Design	Ports	Grainger Part No.	Eriez Part No.	
	in	mm	in	mm					
2	51	11	279	7-1/16	179	No	NPT	1UMB7	132635
2	51	11	279	7-1/16	179	Yes	Ferrule	1UMB8	132636
3	76	12	305	9-7/8	251	No	NPT	1UMB9	132637
3	76	12	305	9-7/8	251	Yes	Ferrule	1UMC1	132638
4	102	15	381	10-5/8	270	No	NPT	1UMC2	132639

MODEL L



Standard Features

- 2-inch NPT Ports
- Cast bronze body
- Single-tube magnetic element
- Pressure up to 150 psi



This Ferrous Trap model has been designed to serve as an effective, low-cost, magnetic pipeline trap where operating conditions are not too severe. This unit is of nonsanitary cast bronze construction capable of withstanding pressures up to 150 psi (10.5 kg/sq cm). It is built for 2-inch (51 mm) pipelines; standard reducers can be used to adapt it to lines as small as 1/2-inch (13 mm).

CERAMIC

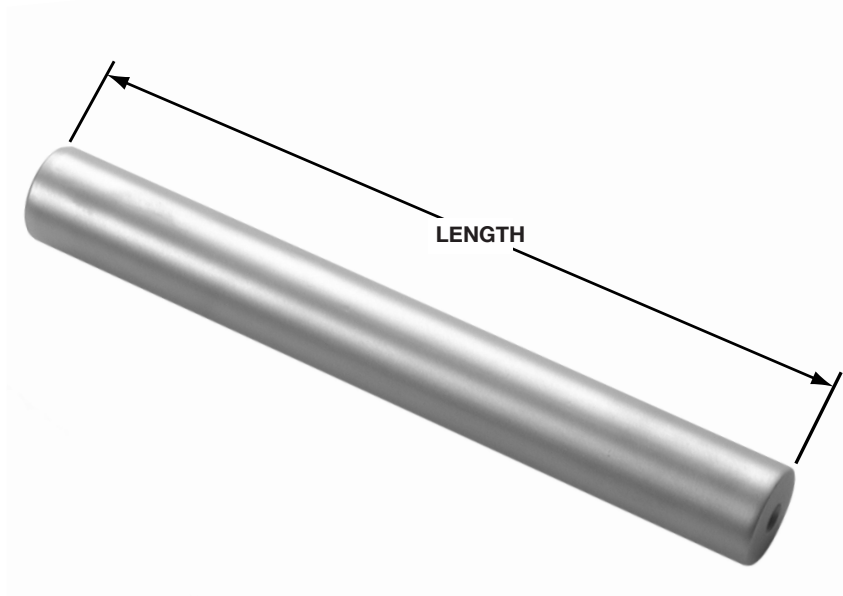
Size		Grainger Part No.	Eriez Part No.
in	mm		
2	51	1ULX6	135716

RARE EARTH

Size		Grainger Part No.	Eriez Part No.
in	mm		
2	51	1UMB6	135707P

All specifications are subject to change without notice.

TUBE MAGNETS



Standard Features

- 1-inch diameter
- Continuously welded
- 316L stainless steel
- 1/4-20 tapped end plugs
- Glass bead surface finish

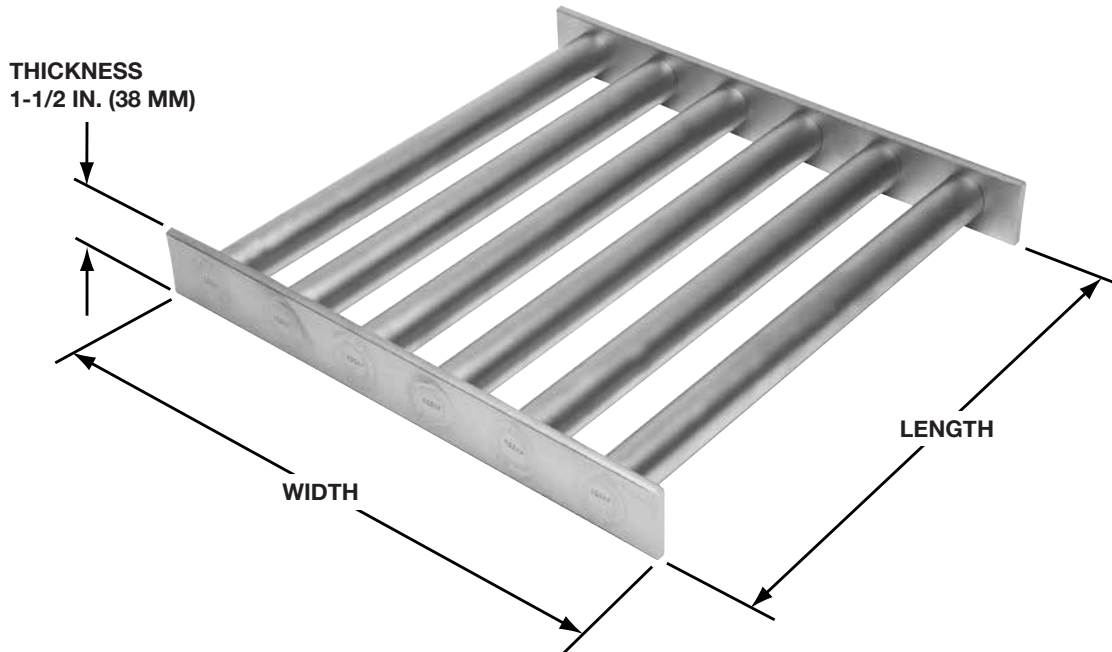


Individual magnetic tubes, one-inch (25 mm) in diameter and from 4 inches (100 mm) up to 24 inches (610 mm) long, can be used to remove ferrous contaminants from liquids in tanks, as a quality control check of dry bulk materials and in many other ways where a powerful, portable magnetic power source is needed. All magnetic tubes are available with 1/4-20 UNC drilled and tapped end plugs.

Length		Ceramic		Rare Earth	
in	mm	Grainger Part No.	Eriez Part No.	Grainger Part No.	Eriez Part No.
4	102	1ULV6	135708P	1ULZ8	126734P
6	152	1ULV7	133640P	1ULZ9	132640P
8	203	1ULV8	133642P	1UMA1	126725P
10	254	1ULV9	133644P	1UMA2	126728P
12	305	1ULW1	133646P	1UMA3	126727P
14	356	1ULW2	133648P	1UMA4	133567P
16	406	1ULW3	134057P	1UMA5	130919P
18	457	1ULW4	134059P	1UMA6	130920P
20	508	1ULW5	135709P	1UMA7	140820P
22	559	1ULW6	135710P	1UMA8	135684P
24	610	1ULW7	140764P	1UMA9	126748P

All specifications are subject to change without notice.

SQUARE & RECTANGULAR



Standard Features

- All stainless steel construction
- “Ladder” style design
- 1-inch dia. tubes on 2-inch centers
- Glass bead surface finish



Square and rectangular permanent magnetic Grate Magnets remove ferrous contamination in hoppers, chutes, floor openings and other areas where free flowing materials are present. These grate magnets are also constructed to fit square and odd-shaped hoppers. The all-stainless steel unit is installed by simply placing the grate in the hopper with the ends of the magnetic tubes or tie bars resting against the sides.

RARE EARTH

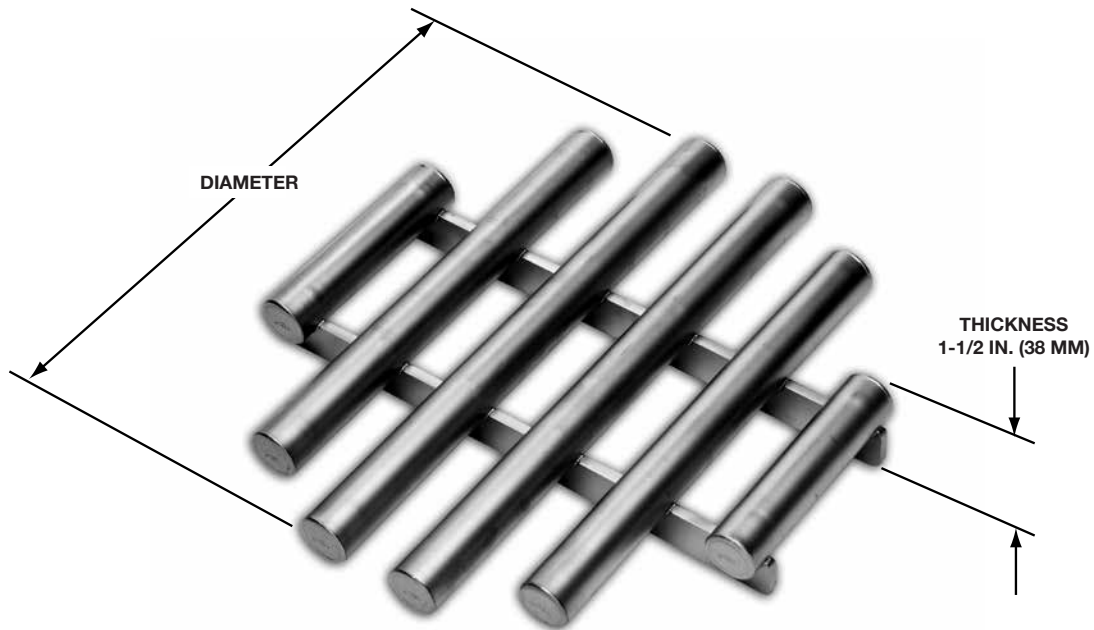
Width x Length		Grainger Part No.	Eriez Part No.
in	mm		
6 x 6	152 x 152	1ULX7	135677P
8 x 8	203 x 203	1ULX8	135663P
10 x 6	254 x 152	1ULX9	135678P
10 x 10	254 x 254	1ULY1	135664P
12 x 8	305 x 203	1ULY2	135679P
12 x 12	305 x 305	1ULY3	135680P
16 x 12	406 x 305	1ULY4	135682P
14 x 14	356 x 356	1ULY5	135683P

CERAMIC

Width x Length		Grainger Part No.	Eriez Part No.
in	mm		
6 x 6	152 x 152	1ULT5	135717P
8 x 8	203 x 203	1ULT6	135665P
10 x 6	254 x 152	1ULT7	135718P
10 x 10	254 x 254	1ULT8	135719P
12 x 8	305 x 203	1ULT9	135720P
12 x 12	305 x 305	1ULU1	135669P
16 x 12	406 x 305	1ULU2	135721P
14 x 14	356 x 356	1ULU3	135722P

GRATE MAGNETS

ROUND



Standard Features

- All stainless steel construction
- “Ladder” style design
- 1-inch dia. tubes on 2-inch centers
- Sanitary construction (Xtreme only)
- Glass bead surface finish

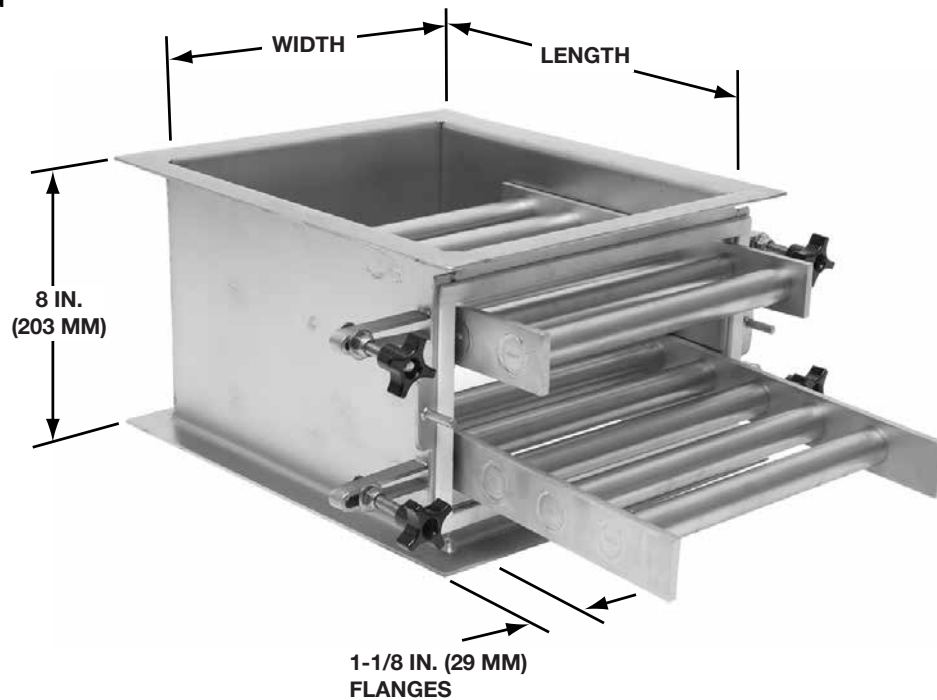


Round permanent magnetic Grate Magnets remove ferrous contamination in hoppers, chutes, floor openings and other areas where free flowing materials are present. These round grate magnets are constructed to fit, round, processing lines or hoppers. The all-stainless steel unit is installed by simply placing the grate in the hopper with the ends of the magnetic tubes or tie bars resting against the sides.

Diameter		Ceramic		Rare Earth	
in	mm	Grainger Part No.	Eriez Part No.	Grainger Part No.	Eriez Part No.
6	152	1ULU4	135685P	1ULY6	135687P
8	203	1ULU5	135694P	1ULY7	135688P
10	254	1ULU6	135692P	1ULY8	135690P
12	305	1ULU7	135696P	1ULY9	135695P
14	356	1ULU8	135699P	1ULZ1	135698P
16	406	1ULU9	135701P	1ULZ2	135700P
18	457	1ULV1	135703P	1ULZ3	135702P
20	508	1ULV2	135705P	1ULZ4	135704P

All specifications are subject to change without notice.

GRATE IN HOUSING



Standard Features

- Two rows of staggered magnets
- Mild steel housing
- Removable door with plastic knobs



Tramp and fine iron removal in enclosed flow lines or at screen discharges is simplified by Eriez multi-bank units built into convenient housings. These separators have a slide-bolt door front which makes the magnetic tubes readily accessible for cleaning. Two rows of the most powerful ceramic tube magnets available in the industry provide the ultimate in magnetic protection.

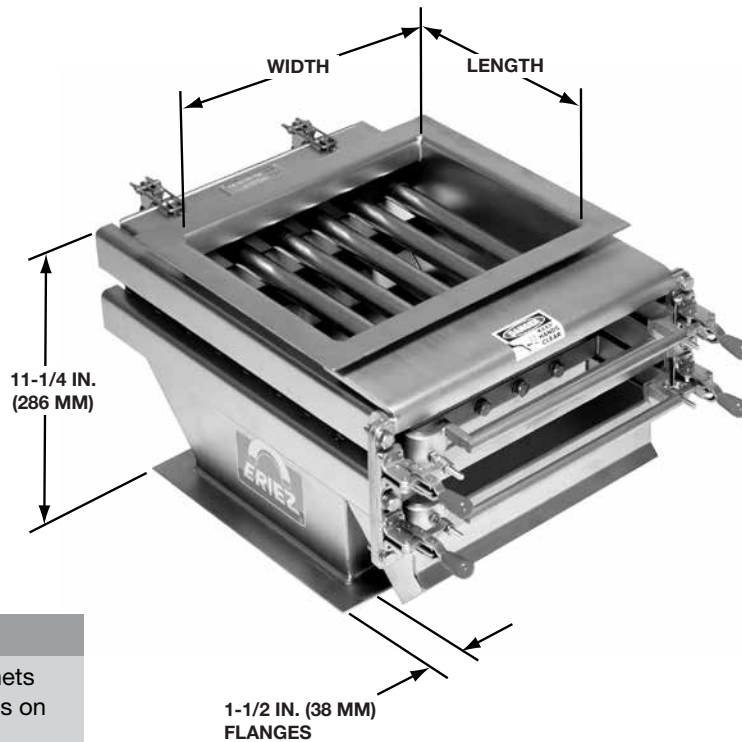
CERAMIC

Width x Length		Grainger Part No.	Eriez Part No.
in	mm		
6-1/8 x 8-1/8	156 x 206	1ULV3	135723P
8-1/8 x 10-1/8	206 x 257	1ULV4	135724P
10-1/8 x 12-1/8	257 x 308	1ULV5	135725P

All specifications are subject to change without notice.

GRATE MAGNETS

EASY TO CLEAN GRATE IN HOUSING



Standard Features

- Two rows of staggered magnets
- 1-inch diameter magnet tubes on 2-inch centers
- Stainless steel tube scrapers
- Metal contaminant discharge chute
- All stainless steel construction
- Glass bead surface finish



The easy to clean rare earth grate in housing provides for the quick removal of accumulated fine iron contamination. Simply slide the individual door fronts from the housing and the accumulated metal contamination is scraped from the tube and discharges out the front of the housing. The cleaning cycle is reduced to only a few seconds with this push-pull operation.

RARE EARTH

Width x Length		Grainger Part No.	Eriez Part No.
in	mm		
8.5 X 6	216 x 152	1ULZ5	135706P
10.5 X 8	267 x 203	1ULZ6	133816P
12.5 X 10	317 x 254	1ULZ7	133828P

All specifications are subject to change without notice.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment

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World Authority in Advanced Technology for Magnetic, Vibratory and Inspection Applications

AVAILABLE THROUGH

GRAINGER

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