



All Magnetic Grate

Series: AMG

HEAVY-DUTY ALL WELDED
CONSTRUCTION

ALL SURFACES
100% MAGNETIZED

TYPE HD-2 90° DIVERTERS, TWO
STAGGERED ROWS

REMOVABLE
MAGNETIC
ELEMENT

1" SPACING BETWEEN DIVERTERS

Model Shown

AMG-6R-QC (Quick Clean)

Application: MPI's ALL MAGNETIC GRATE (AMG series) magnets provide tramp metal protection in a wide variety of free-flowing product streams. They are ideal for use in gravity-fed vertical chutes, hoppers, receiving areas, and catch bins. AMG grate magnets are easy to install and offer efficient, economical magnetic protection of processing equipment used in; grain milling, plastics molding and extruding or other machinery from damage caused by tramp metal, plus at the same time improve or maintain product quality standards.

Operation: The product stream flows through two

rows of magnetized 400 series stainless steel magnetic diverters. The diverters are seam welded to the non-magnetic stainless steel magnetic element housing. Tramp metal contaminants are captured and retained over the entire grate surface, providing 100% contact with the magnetic area.

Quick-Cleaning ALL-MAGNETIC GRATES (AMG-QC Series) are cleaned by simply removing the magnetic elements from the element housing, demagnetizing the entire frame and allowing the tramp metal to fall off the diverters.

Standard All-Magnetic Grates (AMG Series) are lower in cost, but require more time-consuming manual cleaning.

Got a question about Metal Control
or Material Handling Products...

Ask the
**Magnet
Man**



www.magnetmanusa.com

Magnetic Products, Inc.

Providing Magnetic Solutions for the
Material Handling Industry

800-544-5930



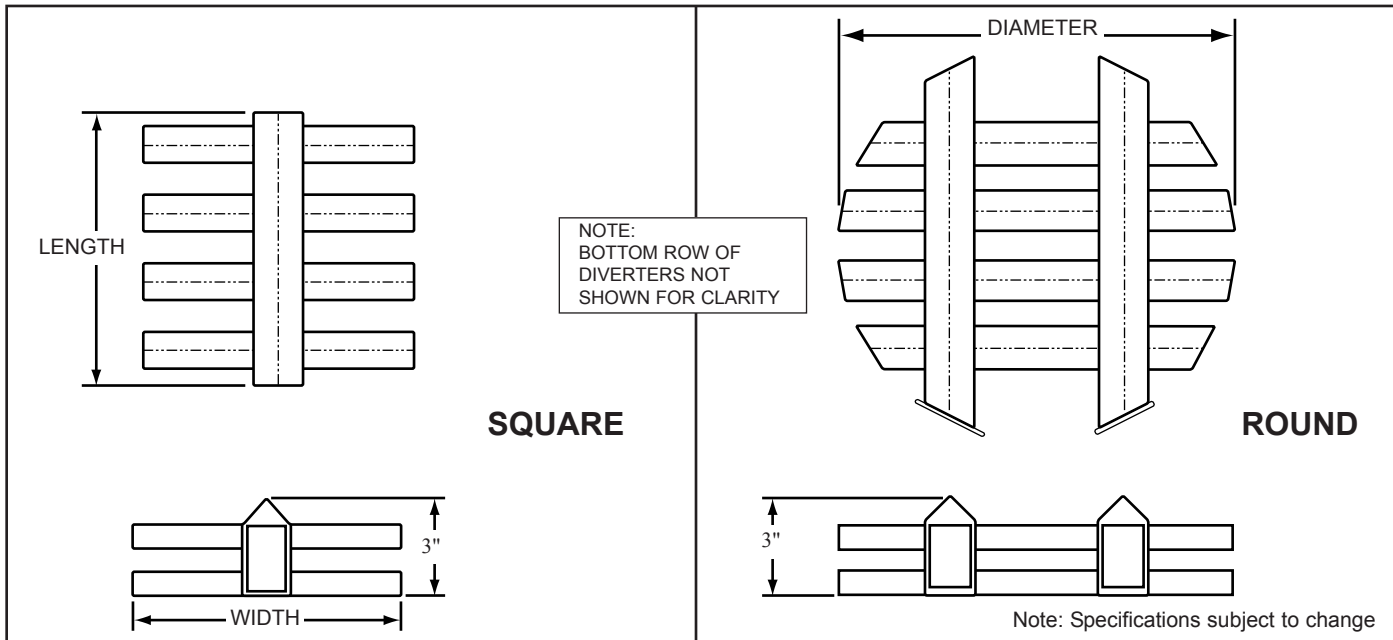
Providing Magnetic Solutions For the Material Handling Industry

Selection:

MPI's All-Magnetic Grates are available in either Standard or Quick-Clean models. Quick-Cleaning models feature removable magnetic elements, which act as a magnetizer for the grate. Grates from 4" through 8" in size (square or round) have one magnetic element, grates from 10" through 14" have two elements, and grates from 16" and above have three magnetic elements.

Utilize the selection specifications below to help you order the model of grate magnet that best fits your application. When ordering be sure to specify width, length, or diameter, and whether you require a standard or quick-clean design.

As a leader in the development of Magnetic Separation Equipment, MPI is committed to the continuous design and performance improvements of their products. This commitment to excellence is made to you with engineering services, such as free product testing and assistance in selecting the proper magnetic separator for your application. For more information please contact your local sales representative or contact our factory.



AMG - SERIES SELECTION GUIDE

SQUARE MODEL NUMBERS	LENGTH X WIDTH (INCHES)	NUMBER OF MAGNETIC ELEMENTS	ROUND MODEL NUMBERS	DIAMETER (INCHES)	NUMBER OF MAGNETIC ELEMENTS
AMG-44	4 X 4	1	AMG-6-R	6	1
AMG-66	6 X 6	1	AMG-8-R	8	1
AMG-88	8 X 8	1	AMG-10-R	10	2
AMG-1010	10 X 10	2	AMG-12-R	12	2
AMG-1212	12 X 12	2	AMG-14-R	14	2
AMG-1414	14 X 14	2	AMG-16-R	16	3
AMG-1616	16 X 16	3	Note: Magnetic Grates should be sized to 2 times larger than hopper outlet opening. Specifications subject to change. Special sizes available upon request.		
AMG-1818	18 X 18	3			
AMG-2020	20 X 20	3			

Standard Features:

- Powerful Ceramic permanent magnet
- 100% stainless steel enclosed design
- Two rows of diverters on 2" centers
- Rugged all-welded construction

Options:

- High-energy rare earth magnet material
- Non-standard diverter spacing
- Non-standard alloy stainless steel enclosures
- Special sizes and mounting available

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PRODUCT BULLETIN GROUP: 102
SERIES: CC, REV. 04/04
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