



INDUSTRIAL MAGNETIC SOLUTIONS

- Quality Products
- Dependability
- Expertise

MASTER MAGNETICS, INC.



magnetsource.com

Your Best Source in the Magnetic Field

About Us / Table of Contents



About Us

A leading manufacturer and distributor of magnets and magnetic devices, Master Magnetics offers an extensive line of magnetic devices for lifting, holding, retrieving, separating, and material handling applications, as well as permanent magnet materials for OEM and product design applications. All permanent materials are available in a wide range of sizes, grades and shapes. The Magnet Source® brand is a trademark of Master Magnetics and represents exceptional quality, expertise and customer service.

Stock and Delivery Our large inventory and warehousing capabilities (over 20 million magnets in stock), along with two regional production and distribution facilities, ensure fast and cost-effective delivery. Typically we ship the variety and quantity of magnets you need within 24 hours.

Permanent Magnetism Guarantee We guarantee, under normal use that our permanent magnets in this catalog will remain magnetized or we will remagnetize them. Permanent magnets, under normal conditions, remain magnetized with only an expected loss of strength of .5 of 1% per century.

Magnetic Assemblies A magnetic assembly is created when we take a raw permanent magnet and add steel or plastic to create a device for a specific purpose. Magnetic assemblies often enhance the magnetic properties for final use in a variety of lifting, holding or retrieving applications.

Custom Tooling and Special Orders With over 40 years of experience in magnetic innovations, we have the knowledge to help your ideas become reality. Share your drawings and specs, and let us work with you to generate the perfect magnetic solution. Often times, a magnet requested as 'custom' may already exist or be available for tooling, but simply isn't listed in our catalog. Whenever possible, planning ahead in a project in order to incorporate an existing size or shape of magnet helps avoid tooling fees and reduces lead times for shipments overseas.

Custom assemblies and some items in this catalog are non-stock, made to order items and are typically considered special order products. A 25 to 50 percent deposit is required for special order items, and are both non-returnable and non-refundable. Lead times vary. Contact our sales team for additional information.



Look for this logo next to items throughout this catalog. You'll find an in-use video of that item at our YouTube page – www.youtube.com/MasterMagnetics – and check often as additional product videos will be posted.

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Note: All dimensions listed in this catalog are approximate.

Round Base Magnets

Round base pot magnets are powerful, low-profile magnets with a hole in the center. Attach a hook or knob to position or hold inspection equipment, indicator gauges, lamps, signs, antennas, and more. Magnetic on one side only. All round base pot magnets are nickel or nickel/chrome plated for durability.



Ceramic/Rubber Round Base Magnet

Part No.	Pounds Pull	Magnet Type	Diameter	Thickness	Magnet Inner	Center	Weight (lbs.)
					Diameter	Hole	
inches							
RB20C	4	Rubber	1.21	.171	.187	.125	.03
RB20CCER	11	Ceramic	1.21	.18	.39	.133	.04
RB44C	12	Ceramic	1.7	.3	.71	10-24TH	.1
RB45C	16	Ceramic	1.42	.283	.375	.19	.08
RB50C	35	Ceramic	2.04	.302	.866	.197	.15
RB55CBX	30	Ceramic	2.19	.31	.822	.2	.164
RB60C	45	Ceramic	2.37	.35	.945	.2	.246
RB70C	65	Ceramic	2.618	.375	1	.25	.3295
RB80PRC	95	Ceramic	3.2	.44	1.2	.27	.568
RB85CBX	110	Ceramic	3.86	.51	1.25	.38	.9
RB100C	200	Ceramic	4.9	.5	1.75	.5	1.438



Neodymium Grade 35 Round Base Magnet

Part No.	Pounds Pull	Magnet Type	Diameter	Thickness	Magnet Inner	Center	Weight (lbs.)
					Diameter	Hole	
inches							
RB20N-NEOBX	22	Neodymium	1.21	.18	.35	.138	.05
RB45N-NEO	48	Neodymium	1.42	.265	.35	.19	.08
RB50N-NEO	105	Neodymium	2.035	.305	.8	.2	.153
RB70N-NEOBX	160	Neodymium	2.64	.387	1	.278	.44



Super Blue™ Round Base Magnet

Part No.	Pounds Pull	Magnet Grade	Magnet Type	Dia..	Thk.	Magnet Inner	Center	Weight (lbs.)
						Diameter	Hole	
inches								
RB20BL-NEOBX	40	35	Neodymium	1.25	.2	.3	.138	.0375
RB45BL-NEOBX	60	42	Neodymium	1.45	.275	.4	.197	.0812
RB50BL-NEOBX	110	35	Neodymium	2.04	.325	.63	.197	.175
RB70BL-NEOBX	220	40	Neodymium	2.65	.4	.63	.275	.418



NeoGrip™ Round Base Magnet

Rubber coated neodymium round base magnet provides superior holding power. Durable rubber coating increases sheer strength by preventing magnet from slipping or sliding, provides scratch-free mounting and is resistant to rust.

Part No.	Pounds Pull	Magnet Grade	Dia..	Thk..	Magnet Inner	Center	Weight (lbs.)
					Diameter	Hole	
inches							
RB20PG-NEOBX	16	35	1.25	.2	.2	.138	.043
RB45PG-NEOBX	20	42	1.45	.275	.3	.197	.0812
RB50PG-NEOBX	55	40	2.04	.325	.53	.197	.187
RB70PG-NEOBX	70	40	2.65	.4	.53	.275	.431



Round Base Magnetic Assemblies

Rubber Covers for Round Base Magnet

Prevent scratching of painted or easily scratched surfaces. Great for attaching towing lights or a sign to cars, trailers, equipment or appliances.

Part No.	Pounds Pull with Cover	Diameter	Thickness	Center Hole	Weight (lbs.)
				inches	
RC-RB50	11	2.04	.025	.197	.01
RC-RB70	24	2.64	.025	.278	.013
RC-RB80	40	3.125	.025	.375	.017
RC-RB100	85	4.85	.025	.39	.03

Countersunk Grade 42 Neodymium Assemblies

Powerful, low-profile round base magnets are zinc-plated to resist corrosion. Countersunk hole allows for flush surface attachment.



Part No.	Pounds Pull	Diameter	Thickness	Center Hole	Weight (lbs.)
				inches	
NAC006200NBX	11	.618	.188	.136	.02
NAC007500NBX	15	.75	.25	.170	.03
NAC010000NBX	29	1	.25	.194	.53
NAC012500NBX	46	1.25	.375	.221	.1
NAC015000NBX	73	1.5	.375	.221	.175
NAC017500NBX	98	1.75	.375	.281	.2
NAC020000NBX	135	2	.5	.271	.35
NAC025000NBX	203	2.5	.625	.406	.9
NAC030000NBX	280	3	.75	.406	1.5



Grade 42 Neodymium Threaded Assemblies

These magnetic assemblies provide amazing strength in a small size.

- **SAE Threaded** - Accommodates a range of standard fasteners and attachments
- **Durable Zinc-Plating** - Provides corrosion resistance

See Grade 42 Neodymium Hook assemblies on Page 8

Round Base Assemblies - Male

Part No.	Pounds Pull	Diameter	Thickness	Thread	Overall Height	Weight (lbs.)
NACM063	18	.63	.2	8-32 Male	.51	.018
NACM078	28	.787	.285	8-32 Male	.6	.037
NACM098	55	.984	.315	10-24 Male	.64	.062
NACM126	75	1.26	.315	1/4-20 Male	.7	.1
NACM141	100	1.417	.315	1/4-20 Male	.84	.118
NACM165	150	1.65	.356	5/16-18 Male	.86	.187
NACM189	175	1.89	.46	5/16-18 Male	.97	.306

Round Base Assemblies - Female

Part No.	Pounds Pull	Diameter	Thickness	Thread	Overall Height	Weight (lbs.)
NACF063	18	.63	.2	8-32 Female	.47	.018
NACF078	28	.787	.285	8-32 Female	.55	.037
NACF098	55	.984	.315	10-24 Female	.625	.062
NACF126	75	1.26	.315	1/4-20 Female	.68	.1
NACF141	100	1.417	.315	1/4-20 Female	.7	.118
NACF165	150	1.65	.356	5/16-18 Female	.8	.187
NACF189	175	1.89	.46	5/16-18 Female	.9	.306

Round Base Magnetic Assemblies

Rubber Coated Neodymium Threaded Assemblies

Neodymium magnets affixed to a flat steel disc with black protective rubber coating to prevent surface scratches. Magnetic on one side only.

- **SAE Threaded** - Accommodates a range of standard fasteners and attachments
- **Temperature Resistant** - Operating temperature up to 175 degrees Fahrenheit



Rubber Coated Assemblies - Female

Part No.	Pounds Pull	Diameter Thickness		Thread	Weight (lbs.)
		inches			
NADR169FBX	20	1.69	.236	10-24	.07
NADR257FBX	32	2.57	.312	1/4-20	.26
NADR351FBX	105	3.51	.335	1/4-20	.5

Rubber Coated Assemblies - Male

Part No.	Pounds Pull	Diameter Thickness		Overall Height	Thread	Weight (lbs.)
		inches				
NADR169MBX	20	1.69	.236	1.23	10-24	.07
NADR257MBX	32	2.57	.312	1.3	1/4-20	.26
NADR351MBX	105	3.51	.335	1.32	1/4-20	.5



Magnetic Impact Wrench/Heat Gun Holder & Magnetic Spray Gun Holder

Strong neodymium magnet holds impact wrenches, heat/paint guns and other heavy tools on any ferrous metal surface. Heat resistant up to 175 degrees Fahrenheit. Ideal for vehicle wrap installations, auto/tire shops, workshops, garages, and warehouses. Non-scratch protective rubber coating safe for all surfaces. Magnetic on one side only.



07603



PGHNADR351



Part No.	Pounds Pull	Base Diameter	Base Height	Overall Height	Ring Outer Diameter	Ring Inner Diameter	Ring Thickness	Weight (lbs.)
		inches						
07603	105	3.51	.335	5.25	3.4	3.12	.28	.65

Part No.	Pounds Pull	Base Diameter	Base Height	Overall Height	Arm Outer Width	Arm Inner Width	Arm Thickness	Weight (lbs.)
		inches						
PGHNADR351	105	3.51	.335	4.5	2.25	1.75	.25	.55

Magnetic Handy Holder™

Keep paper towel rolls, cleaning wipes, glove boxes, and more within reach. Easily repositionable to any flat ferrous metal surface.

- 2 powerful magnets with non-scratch liners
- Adjust knob 1 to 3 inches
- 6 inch roll diameter holding capacity

Part No.	Diameter	Length	Weight (lbs.)
	inches		
07549	2.625	4.625	1.2



Round Base Magnetic Assemblies

Round Base Magnets with Attachments

Each powerful round base magnet features a ceramic or neodymium magnet and handy attachment for a variety of applications. Choose from eyebolt, grooved post, bolt with nuts or three versatile clips. Each attachment is securely mounted to the round base. Use for hanging lights, signs, heavy tools, clothing on a hanger, banners, brooms, mops, and more.



Round Base Magnets with Eyebolt

Part No.	Pounds Pull	Magnet Type	Diameter		Height	Weight (lbs.)
			inches			
RB45N-NEOEB	48	Neodymium	1.425	2		.102
RB50EB	35	Ceramic	2.04	2		.3
RB50EBNEO	90	Neodymium	2.04	2		.25
RB70EB	65	Ceramic	2.65	2		.33
RB80EB	95	Ceramic	3.2	2		.7
RB100EB	200	Ceramic	4.9	4.625		1.85



Round Base Magnets with Grooved Post

Part No.	Pounds Pull	Magnet Type	Diameter		Height	Weight (lbs.)
			inches			
RB80POST	95	Ceramic	3.2	2.46		.75
RB100POST	200	Ceramic	4.9	3.625		1.7



Round Base Magnets with Bolt and Nuts

Part No.	Pounds Pull	Magnet Type	Attachment	Diameter		Height	Weight (lbs.)
				inches			
RB45B3N-NEO	48	Neodymium	Bolt/Nuts	1.425	1.18		.1
RB50B2NW	35	Ceramic	Bolt/Nut/Wingnut	2.04	1.21		.21
RB50B3N	35	Ceramic	Bolt/Nuts	2.04	1.21		.21
RB50B3N-NEO	90	Neodymium	Bolt/Nuts	2.04	1.24		.22
RB70B2NW	65	Ceramic	Bolt/Nut/ Wingnut	2.65	1.27		.4
RB70B3N	65	Ceramic	Bolt/Nuts	2.65	1.25		.4
RB80B3N	95	Ceramic	Bolt/Nuts	3.2	1.35		.568

Round Base Magnet Kit with Eyebolt, Hook, Bolt and Nuts

Part No.	Pounds Pull	Magnet Type	Attachment	Diameter		Height	Weight (lbs.)
				inches			
RB50KITBX	35	Ceramic	Eyebolt, Hook, Bolt/Nuts	2.04	2		.28

Eyebolt and hook opening = .5



Round Base Magnets with Attached Spring Clamp for Broom or Tool Handles

Part No.	Pounds Pull	Magnet Type	Approx. Clip Opening	Diameter		Height	Weight (lbs.)
				inches			
RB50BNCC	35	Ceramic	1.35-1.45	2.04	2.29		.32
RB50BVCC	35	Ceramic	1.75-2.3	2.04	2.25		.27
RB50NPC	35	Ceramic	.85-1.4	2.04	2.26		.24



NeoGrip™ Arm & Knob Magnets

NeoGrip™

Round Base Magnet with Flexible Arm and Attachments

Powerful neodymium magnetic base features heavy-duty, flexible arm and second magnetic base for attaching three magnetic mounting tools. Rubber coated base is safe for all surface types making it ideal for use on automobiles, campers, BBQ grills or any flat ferrous metal surface. Magnetic attachments include red clip, suction cup and black spring clamp. Each are easily interchangeable to hold objects such as notepads, cell phones, or even small flashlights.

Part No.	Pounds Pull	Magnet Type	Diameter		Height	Weight (lbs.)
			inches			
07620BX	Flexible arm	-	-	.4	9.125	1.6
	Top Base	16	Ceramic	1.425	.283	
	Bottom Base	55	Neodymium	2	.325	



Knob Magnets

Hold blueprints, calendars, visual aides, work plans, and more with these heavy duty magnetic bases. Ideal for warehouse, workroom and office use.

Round Base Magnets with Knobs

Features durable nickel plating and easy-grip knob for positioning.

Part No.	Pounds Pull	Diameter	Knob	Base	Overall Height
			Diameter	Thickness	
inches					
HMKR-45*	16	1.425	1	.283	.945
HMKR-50*	25	2.035	1	.315	.975
HMKR-70*	65	2.63	1.75	.374	1.325
HMKR-80	95	3.2	1.75	.425	1.41

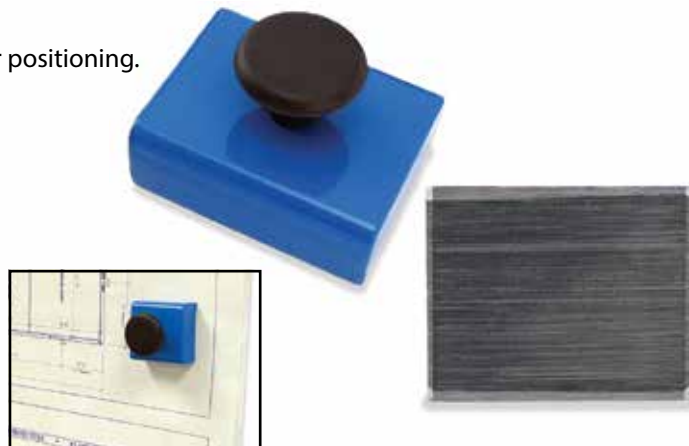


Key: * = Protective non-scratch liner available. Call for details.

Rectangular Base Magnets with Knobs

Painted with bright blue enamel and includes an easy-grip knob for positioning.

Part No.	Pounds Pull	Length	Width	Knob	Base	Overall Height
				Diameter	Thickness	
inches						
HMKS-A	20	1.375	2.375	1	0.565	1.31
HMKS-B	15	1.4	1.38	1	0.65	1.39
HMKS-C	38	1.625	2	1	0.65	1.39
HMKS-D	40	1.635	2.375	1	0.56	1.31
HMKS-E	45	2.375	3	1.475	0.585	1.5



Magnetic Hooks



Magnetic Hooks

These powerful magnetic assemblies with attached hooks lift from 9 to 61 pounds in vertical tests. Use these hooks to hang lights, tools, keys or signs from any ferrous metal surface.

Ceramic Magnetic Hooks

Part No.	Pounds Pull	Color	Diameter	Hook Opening	Overall Height	Weight (lbs.)
			inches			
MHHH9	9	White	1	0.5	1.32	.06
MHHH14	14	White	1.25	0.47	1.32	.09
MHHH20*	20	Plated	2	0.48	1.3	.154
MHHH26*	26	White	1.875	0.44	1.45	.2
MHHH55*	55	White	2.75	0.45	1.43	.4

Neodymium Magnetic Hooks

Part No.	Pounds Pull	Color	Diameter	Hook Opening	Overall Height	Weight (lbs.)
			inches			
MHHH18*	18	White	.875	0.4	1.4	.1
MHHH61*	61	White	1.25	0.45	1.4	.2
NA012500N	40	Plated	1.41	0.37	1.26	.1

Key: * = Protective non-scratch liner included.

See 'Grade 42 Neodymium Threaded Assemblies' on Page 4

Grade 42 Neodymium Hook Assemblies

Use these industrial strength hooks to hang tools, equipment, lights, and other items in warehouses, garages, work stations, ect. Durable zinc plating provides corrosion resistance.



Part No.	Pounds Pull	Diameter	Overall Height	Weight (lbs.)
		inches		
NACK063	18	.63	1.4	.018
NACK078	28	.787	1.5	.043
NACK098	55	.984	1.675	.062
NACK126	75	1.26	1.8	.1

Part No.	Pounds Pull	Diameter	Overall Height	Weight (lbs.)
		inches		
NACK141	100	1.417	1.65	.131
NACK165	150	1.65	2.2	.193
NACK189	175	1.89	2.2	.331



Reversible Magnetic Hook

Use this ceramic magnet to hang lights, wiring, tools and banners from any ferrous metal surface. Loosen the bolt and flip the hook for added versatility in hanging directions.

Part No.	Pounds Pull	Magnet Type	Diameter	Weight (lbs.)
			inches	
MHHH25HOOK	25	Ceramic	2.25	.4



Magnetic Hook

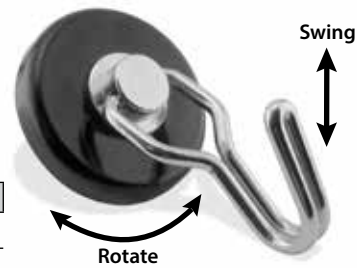
Powerful ceramic magnet includes protective liner to help prevent surface scratches.

Part No.	Pounds Pull	Color	Diameter	Weight (lbs.)
			inches	
MHHH65	35	Plated	2.63	.4

Rotating Magnetic Hook

Industrial strength neodymium magnetic hook rotates 360 degrees and swings 180 degrees. Heavy duty construction. Includes non-scratch gripping liner.

Part No.	Pounds Pull	Magnet Type	Diameter	Base	Hook
				Thickness	Opening
inches					
MHHH07580BX	65	Neodymium	1.47	.27	.65



Super Blue™ Magnetic Rotating & Swinging Hook

This versatile hook both swings and rotates 360 degrees. Industrial strength magnetic hook features neodymium magnets.

Part No.	Pounds Pull	Magnet Type	Diameter	Base	Hook
				Thickness	Opening
inches					
MHHH07548BX	65	Neodymium	1.5	.455	.73



Magnetic Swing Hook

Neodymium magnetic hook swings 180 degrees, to allow it to be used in numerous positions. Heavy-duty construction ideal for holding and storing cables, tools and other items on any flat ferrous metal surface. Includes non-scratch liner.

Part No.	Pounds Pull	Magnet Type	Diameter	Base	Hook
				Thickness	Opening
inches					
MHHH07589BX	40	Neodymium	1.125	.21	.4



Magnetic Ring Assembly

Neodymium magnet with attached keyring is super powerful! Use to hang keys, or attach to a chain with signage for warehouses or stores. Includes non-scratch liner.

Part No.	Pounds Pull	Magnet Type	Diameter	Base	Hook
				Thickness	Opening
inches					
NA011200N	35	Neodymium	1.125	.2	.93



Magnetic Carabiner Hook

Super strong neodymium magnet with easy-clip carabiner can be used to hang a tool belt or other heavy items to flat ferrous metal walls, beams and cabinets. Includes non-scratch liner.

Part No.	Pounds Pull	Magnet Type	Diameter	Base	Hook
				Thickness	Opening
inches					
07587B	45	Neodymium	1.125	.21	.47



Magnetic Base with Keyhole Knob














Ceramic magnet with white enamel finish can be used for hanging electrical power strips, signs and access keys.

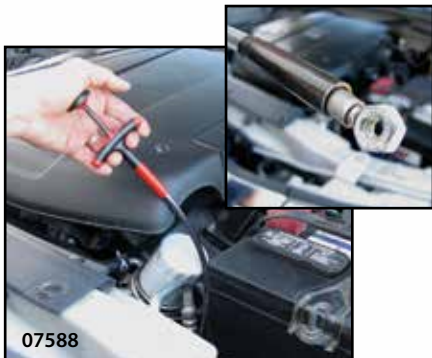
Part No.	Pounds Pull	Magnet Type	Base	Base	Knob	Knob	Overall
			Thickness	Diameter	Diameter	Height	
inches							
MHHWP14	14	Ceramic	.32	1.25	.315	.34	.63



Lightweight Magnetic Pick-Up Tools

Designed to pick up small ferrous metal items that have dropped out of reach, including screws, nails, nuts, staples, and small hand tools. Each tool has a powerful neodymium magnet in the tip.

	Part No.	Pounds Pull	Description	Extends to	
				Length inches	to inches
	07256	3	Telescoping Magnetic Pick-Up with Locking Hinge - Adjustable locking hinge allows access around corners or in areas where an unusual angle is necessary for object retrieval.	9.75	14.5
	07227B	5		15	25
	07228BULK	3	Telescoping Magnetic Pick-Up Tools - Each doubles as a presentation pointer with a handy pocket clip attached.	5.75	25.5
	07568	7		5.5	24
	07565	3	Telescoping Magnetic Pick-Up Tool and Scribe - This dual sided tool has one sharp tip for etching and marking.	6.5	26.5
	07229	2	Bend-It Magnet - Can be bent to reach around corners, between appliances, underneath cabinets and more.	19	-
	07264	2	Neodymium Magnetic Pick-Up Tool with Pocket Clip - Fixed length tool easily retrieves items in compact spaces.	5.75	-
	07567B	10	Telescoping Magnetic Pick-Up Tool - Loosen knurled collar and pull to required length. Tighten collar to keep length.	16.5	30.5
  	07569B	3	Extendable Bendable Magnetic Pick-Up Tool - Loosen knurled collar and pull to required length. Bend as needed and tighten collar to keep in place.	20	36
 	07588	2	Bendable Magnetic Pick-Up with Retractable Magnet - Plunger handle activates magnet when tool is in position for object retrieval.	23	-



Latch and Channel Magnets

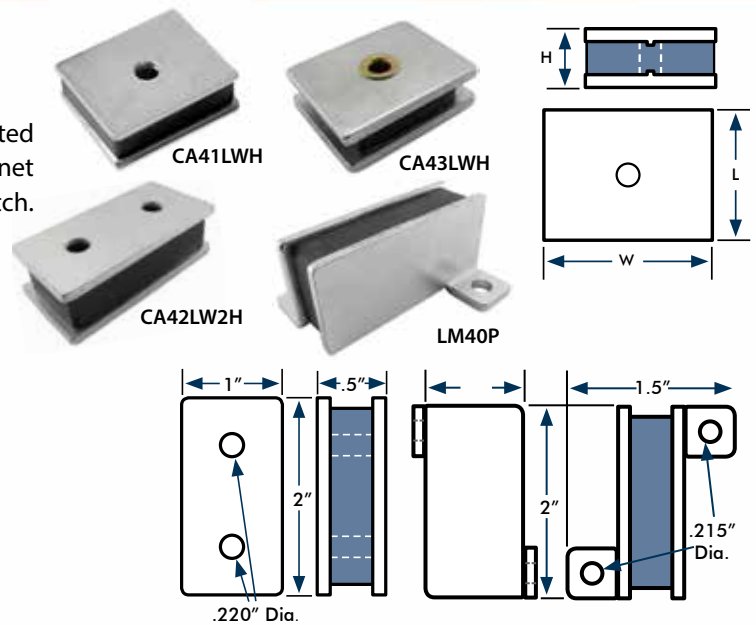
Magnetic Latches and Channels

Latch Magnet Assemblies

A strong ceramic magnet is positioned between two zinc-plated metal pieces, providing much more strength than the magnet alone. Magnetic on all four edges. Useful as a powerful door latch. Also hold name plates, fixtures, signs, and display pieces.

Part No.	Pounds Pull	Length	Width		Channel Hole
			inches	Height	
CA41LWH*	12	1	.8125	.3125	.187 dia.
CA42LW2H*	22	1	2	.5	.22 dia.
CA43LWH	15	1	1.25	.4	.14 dia.
LM40P	40	2	.91	1.5	.215 dia.

Key: * = Assembly is held together magnetically.

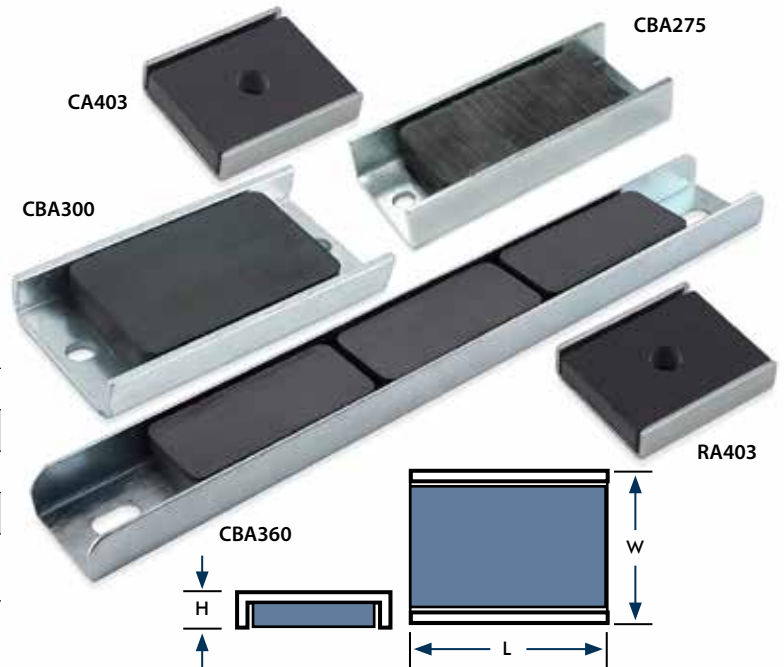


Latch Magnet Channel Assemblies

Magnet is fixed into a zinc-plated steel channel with holding power on one large surface. Includes center or outside holes for mounting. Large assembly (CBA360) makes an excellent tool or sign holder, and can be used as a license plate holder for test drives. The rubber magnet assembly (RA403) is impact and vibration resistant.

Part No.	Pounds Pull	Length	Width		Channel Hole
			inches	Height	
CA403	7	1	.875	.25	.125 Dia.*
CBA275	25	2.7	1.08	.5	.186 Dia. (2)
CBA300	60	3	1.5	.455	.25 L x .198 W (2)
CBA360	25	8	1.063	.5	.28 L x .428 W (2)
RA403 Rubber Magnet	5	1	.875	.25	.125 Dia.*

* Magnet in the channel has 0.195" Dia. Hole.



Plated Rectangular Base Magnets

Because of their low cost, high holding power and compact design, these magnetic channel bases are very versatile. Use to post signs on warehouse shelves or vehicles that are not in use.

Part No.	Pounds Pull	Length	Width		Height
			inches	Height	
CA293	22	3	0.875	0.25	
CA293WN*	22	3	0.905	0.75	
CA293WA**	22	3	0.905	0.25	

Key: * = Has 3/8 - 24 threaded nut. ** = Has adhesive backing with liner.



Neodymium Latch Magnets

Neodymium Latch Magnets

These powerful magnetic assemblies are designed to be used as door latches for cabinets, chests, displays, and more. Simply attach the magnet in a steel cup to one surface and the strike plate to the other to make a secure closure. Counterbore a hole in the wood for flush mounting. Available in eight sizes with magnetic pull strengths ranging from 2 to 39 pounds. Mounting screws also available.



Available as complete kits, or individual pieces, (except for NMLKIT 6, 7, 8). Kits include steel cup, strike plate, neodymium magnet disc, noise buffer pad, and screws.

Part No.	Pounds Pull	Item	Out Dia. Thickness	
			inches	
NMLKIT1	2	Complete Kit of Below Items		
ZZRB11CUPZ	-	Steel Cup (press fit)	.38	.25
ZZFWM38Z	-	Strike Plate	.375	.094
ND002507N	2	Neo Magnet Disc	.25	.08
ZZFWS4X.5	-	Screw: #4 Phillips (1)	.5	

Part No.	Pounds Pull	Item	Out Dia. In. Dia. Thickness		
			inches		
NMLKIT4	23	Complete Kit of Below Items			
ZZRB14CUPZ	-	Steel Cup	.875	-	.281
ZZFWM875Z	-	Strike Plate	.875	-	.156
NR007403N	23	Neo Magnet Disc	.74	.375	.105
ZZFWS8X.75	-	Screw: #8 Phillips (2)	.75		

Part No.	Pounds Pull	Item	Out Dia. Thickness	
			inches	
NMLKIT2	6	Complete Kit of Below Items		
ZZRB12CUPZ	-	Steel Cup	.5	.25
ZZFWM50Z	-	Strike Plate	.5	.094
ND003602N	6	Neo Magnet Disc	.36	.075
ZZFWS4X.5	-	Screw: #4 Phillips (2)	.5	

Part No.	Pounds Pull	Item	Out Dia. Thickness		
			inches		
NMLKIT7	26	Complete Kit of Below Items			
N/A	-	Steel Cup	1	.27	
N/A	-	Strike Plate	1	.1	
N/A	26	Neo Magnet Disc	.85	.05	
ZZFWS8X.75	-	Screw: #8 Phillips (2)	.75		

Part No.	Pounds Pull	Item	Out Dia. Thickness	
			inches	
NMLKIT3	16	Complete Kit of Below Items		
ZZRB13CUPZ	-	Steel Cup	.625	.25
ZZFWM625Z	-	Strike Plate	.625	.094
ND004903N	16	Neo Magnet Disc	.49	.105
ZZFWS4X.5	-	Screw: #4 Phillips (2)	.5	

Part No.	Pounds Pull	Item	Out Dia. In. Dia. Thickness		
			inches		
NMLKIT5	30	Complete Kit of Below Items			
ZZRB16CUPZ	-	Steel Cup	1.13	-	.27
ZZFWM1.13Z	-	Strike Plate	1.13	-	.15
NR010007N	30	Neo Magnet Disc	1	.5	.11
ZZFWS8X.75	-	Screw: #8 Phillips (2)	.75		

Part No.	Pounds Pull	Item	Out Dia. Thickness	
			inches	
NMLKIT6	19	Complete Kit of Below Items		
N/A	-	Steel Cup	.75	.25
N/A	-	Strike Plate	.75	.09
N/A	19	Neo Magnet Disc	.612	.05
ZZFWS8X.75	-	Screw: #8 Phillips (2)	.75	

Part No.	Pounds Pull	Item	Out Dia. In. Dia. Thickness		
			inches		
NMLKIT8	39	Complete Kit of Below Items			
N/A	-	Steel Cup	1.5	-	.27
N/A	-	Strike Plate	1.5	-	.155
N/A	39	Neo Magnet Disc	1.35	.48	.05
ZZFWS8X.75	-	Screw: #8 Phillips (2)	.75		

Adjustable Latch Magnets

Powerful latch magnets are ideal for cabinets and other enclosures. The distance between the magnet and strike plate can be adjusted up to .25 inches. Mounting screws included.

Part No.	Pounds Pull	Shape	Color	Width Height Depth		
				inches		
CL01BR	7	Rectangle	Brown	1.65	1.6	.6
CL01WH	7	Rectangle	White	1.65	1.6	.6
CL02WH	4	Round	White	1.05	1.1	.65
CL02BK	4	Round	Black	1.05	1.1	.65



Adjust with screwdriver.



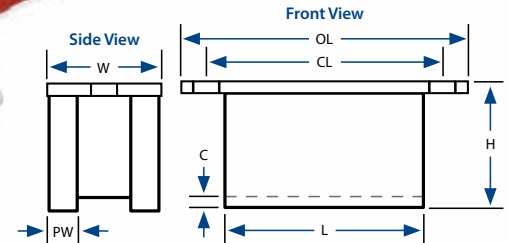
Add secure closures to cabinet doors.



Adjust with fingers.

Powerful Latch Magnets

Use these powerful magnets for door latches, small tool holders, and retrieving tools. Attach to a dowel or board to make a small, hand-held magnetic tool for picking up nails, screws, washers, nuts and more. Each magnet features heavy duty, welded construction and is painted red (AM3/RM100C is painted black).



Part No.	Pounds Pull	Length	Width	Height	PW	Clearance	CL	Overall Length	Hole Diameter	Weight (lbs.)
LM-100BC*	100	5	.75	1.062	.187	.125	5.5	6	.25	.85
LM-50B	50	2	.75	1.062	.187	.125	2.5	3	.25	.4
LM-20B	20	2	.75	.562	.187	.125	2.5	3	.25	.25
AM3/RM100C*†	100	5	.75	1.062	.187	.125	5.5	6	.25	.85

Key: CL = From hole center to hole center, * = includes eyebolt and nuts. † = Painted black.

Universal Latch Magnet

Powerful latch magnet set in durable red plastic casing with four elongated holes allows multi-directional and adjustable mounting. Includes 3.25" L x 1" W x .125" Thk. steel strike plate with .3 inch diameter countersunk holes to accommodate flat head screws. Holes are 2.375 inch center to center.

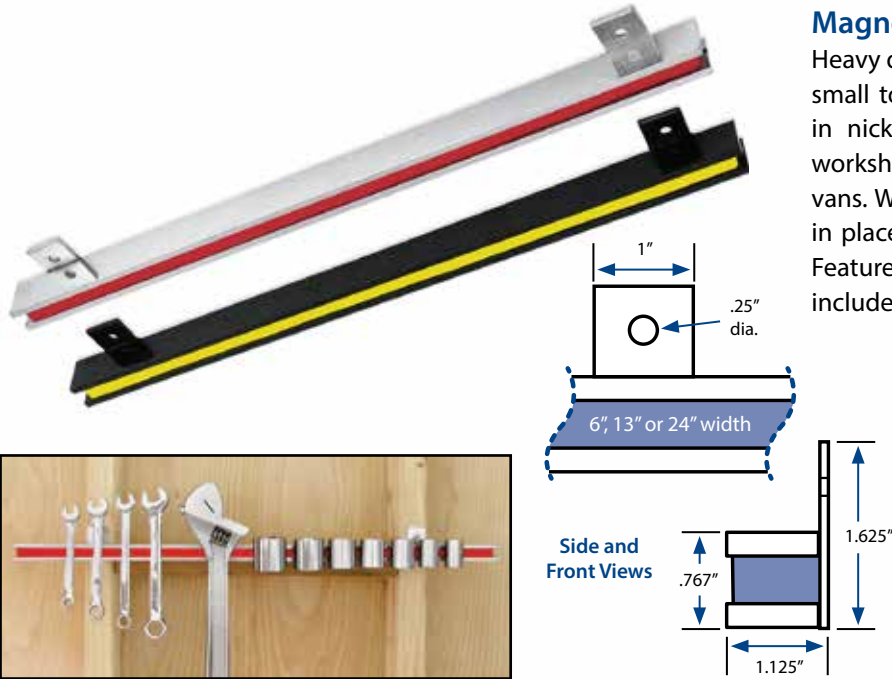


Part No.	Pounds Pull	Length	Width	Height
07502	50	4.25	1	1.125

Magnetic Tool Holders / Magnetizers

Magnetic Tool Holders

Heavy duty, permanent magnet assemblies hold large or small tools and metal parts securely in place. Available in nickel-plated or powder coated black. Perfect for workshops, garages, factories, and even inside trucks and vans. When mounted, these tool holders are held firmly in place by welded tabs, with .25 inch holes for screws. Features 20 pounds pull per inch. Mounting screws included.



Part No.	Color	Hole	
		Width	Distance
inches			
AM1PLC	Black/Yellow	24	16
AM2PLC	Black/Yellow	13	10
AMC13PLC	Nickel/Red	13	10
AMC24PLC	Nickel/Red	24	16
AM5PLC	Black/Yellow	6	4
AMC5PLC	Nickel/Red	6	4

Magnetic Knife and Tool Holders

Magnetic or Screw Mount

Powerful magnetic bars, in attractive gray or black, organize utensils and tools in the kitchen, shop or home office. Two mounting styles to choose from. Magnetic mount features magnets on front and back so the bar attracts to a metal surface for mounting while holding items on front side. Screw mount features one-sided magnetism with mounting screws (9.25" center hole to center hole, .22" diameter) included. Each toolbar features 30 pounds pull per inch.



Mount to a metal toolbox magnetically.

Mount with screws to a workbench.

Part No.	Color	Mounting	Width	Height	Depth
			inches		
07576	Gray	Magnetic	12	1.5	1
07577	Black	Magnetic	12	1.5	1
07578	Gray	Screws	12	1.5	1
07579	Black	Screws	12	1.5	1

Screwdriver Magnetizer/Demagnetizers

Magnetize small tools so they attract screws or nuts for easy starting and removing. Insert a screwdriver or nutdriver into the hole, then pull it out and it's magnetized.

RA07224B - Leave the magnetizer on the tool for extra magnetic strength. To demagnetize, pass the tool through one of the exterior channels.

07624B - Separate areas for magnetizing and demagnetizing large tools.



Part No.	Length	Width	Height
	inches		
RA07224B	1.125	1	1
07624B	1.125	2	2

Heavy Duty Holding and Retrieving Magnets

Heavy Duty Retrieving Magnets

Add the enclosed eyebolt on the top or side of the magnet and use to hold, lift and hang objects. Each includes Magnetic Shields™ to block magnetic strength when not in use, allowing easy storage in metal toolboxes or with metal tools. Includes eyebolts and nuts.



Part No.	Pounds Pull	Length	Width	Height	Weight (lbs.)
		inches			
07503	100	2	2	1	.9
07504	40	2	2	.75	.6

Mounting holes on the side and top allow for multi-directional hanging.

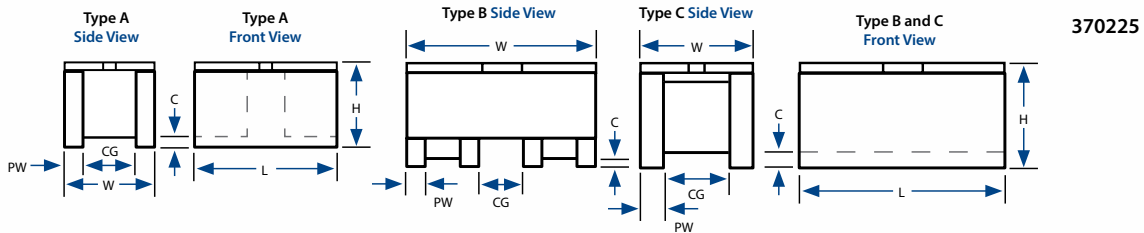
Heavy Duty Holding and Retrieving Magnets

These models lift up to 225 pounds. Attach a rope or chain to the eyebolt and go fishing for metal objects in tanks, vats, waterways, or other hard-to-reach places. Move parts in and out of degreasing tanks. All are painted red. Sturdy welded construction. Eyebolt and nuts included, except for 370-3Bulk.

Part No.	Type	Pounds Pull	Length	Width	Height	PW	C	CG	Hole Diameter	Weight (lbs.)
			inches							
370-3BULK	A	18	1.75	.625	.812	.125	.125	.375	.187	0.12
37010B	B	40	2	2	.562	.187	.125	.437	.25	.83
370-30B	B	100	2	2	1.062	.187	.125	.437	.25	0.83
370150	B	150	5	2	1.062	.187	.125	.437	1/4-20TH	1.75
370225	C	225	5	2	2	.375	.187	1.187	1/4-20TH	4.5



Key: PW = Pole Width, C = Clearance of magnet, CG = Center Gap, TH = Tapped Hole.



Fisherman's Magnet

Go fishing for metal items that fell out of the boat, including tackle box, tools and even your anchor if the chain or rope breaks. Also search for sunken treasure along the floor of the lake or stream. This powerful fishing magnet lifts up to 150 pounds. Eyebolt and nuts included. Black powder coated finish.

Part No.	Pounds Pull	Length	Width	Height	Thread	Weight (lbs.)
		inches				
RM-150FBX/L	150	5	2	2	1/4-20	1.63



Handle Magnets / Retrieving Batons



07501

Powerful Handle Magnets

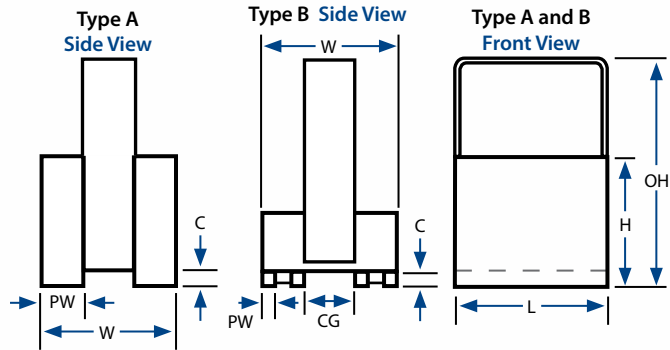
Use these durable magnets to lift heavy metal shelving, beams and doors; or clean up ferrous metal screws, nuts and bolts. Steel handle magnets feature heavy-duty welded construction and are painted red. **Part No. 07501** has ergonomic handle, plastic body and includes two Magnetic Shields™ to block magnetic strength when not in use. Remove shields before using.

Part No.	Type	Pounds Pull	inches								Weight (lbs.)
			Length	Width	Height	PW	C	OH	CG		
07212	A	25	1.062	.75	1	.187	.125	2.375	.395	.25	
07213	A	50	2	.75	1	.187	.125	2	.395	.4	
07501	A	100	4.5	1	1	.187	.125	3.375	.395	1.075	
HM100	A	100	4	.75	1	.187	.125	2.375	.395	.745	
HM-150	B	150	5	2	1	.187	.125	5	.437	2.1	
HM-225	A	225	5.25	2	2	.375	.25	5	1.187	4.15	

Key: PW = Pole Width, C = Clearance of magnet, OH = Overall Height, CG = CenterGap.



HM-225



RHS01

RHS02

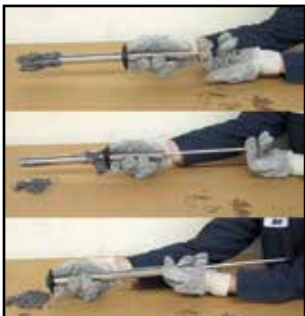
RHS03

Magnetic Retrieving Batons

Magnetic retrieving batons are innovative and powerful tools to pickup ferrous metal particles in wet or dry environments.

- Swarf collecting magnet
- Ideal for removing hardware from storage bins
- Clean water or degreasing tanks of metal shavings
- Unique shape allows for easy pick up near walls and corners
- Rare earth magnets provide maximum strength

With a non-corrosive, stainless steel housing, the baton comes in four models: the standard RHS01, the RHS02 with easy-grip handle and hang hook, or the extra long RHS03 and RH04 batons for hard-to-reach locations. Use of safety goggles and gloves is recommended.



Pull handle to release. A movable Release Guard shields hands from sharp debris.

Magnetic retrieving batons work in wet or dry environments.



Part No.	Length	Diameter	Weight (lbs.)
	inches		
RHS01	16	1	1.3
RHS02	16	1	1.3
RHS03	39	.5	.95
RHS04	41	1	3.6



Material Transfer Magnets

Safely lift, transfer and easily release loose bulk metal objects in factories and warehouses.

Light Duty Magnetic Bulk Parts Lifter

A low-cost time saver! Transfer and pick up nails, screws, nuts or any small metal objects, then pull the handle to release items in the desired location. Smooth, uninterrupted sides allow for fast burrowing. Prevents injuries from sharp metal objects. Its durable canister is lightweight and features an easy-to-grip handle.

Part No.	Pounds Pull	Height	Diameter	Weight (lbs.)
		inches		
07540	1	6.75	3.5	1.2



Heavy Duty Bulk Parts Lifters

These lifters attract ferrous metal parts, then a fingertip pull on the easy release bar drops the entire load in its desired location. Easily transfer bulk metal pieces including nails, screws, nuts, washers, eyebolts, or other ferrous metal items.

Models ML72C and ML74C are available with standard or long handle and nylon base. Models ML76C and ML78C are stainless steel with regular handle only.

Replacement parts are available - contact us for details.



Part No.	Pounds Pull	Length	Width	Height	Weight (lbs.)
		inches			
ML72C	4-5	4.375	3.125	9.25	4
ML72-30C	4-5	4.375	3.125	32.25	7.2
ML74C	8-9	6.25	4.75	9.25	6.8
ML74-30C	8-9	6.25	4.75	32.25	10
ML76C	10	8.50	4.75	9.75	12.6
ML78C	13	11.25	4.75	9.75	15.5



Pick Up

Transfer

Release



Material Handling Magnets

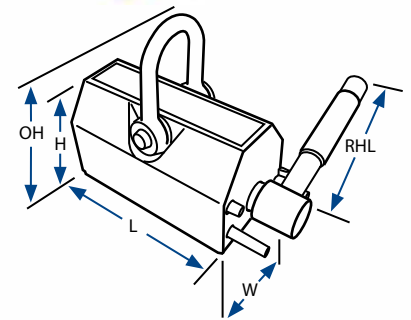


Lift flat or round heavy ferrous metal pieces.

- Lifts flat or round ferrous metal items
- ON/OFF locking release handle
- Eliminates the need for slings or clamping devices
- No electricity required for operation of magnet
- Permanent magnetism guaranteed
- **For safety, breakaway force is 3.5 times greater than maximum lift ratings, 75% better than the 2-times safety factor required by ASME standards**



Part No.	Flat Max Lift Rate*		Round Lift Rate*		Length inches	Width inches	Height inches	Overall Height inches	Handle Length inches	Weight (lbs.)
	(lbs.)	(kg.)	(lbs.)	(kg.)						
HDLM220	220	100	66	30	3.625	2.5	2.75	4.5	5.625	6.4
HDLM660	660	300	220	100	6.5	3.5	3.75	6.5	6.875	21.15
HDLM1300	1,320	600	440	200	9.25	4.625	4.75	8.75	8.625	49.65
HDLM2200	2,200	1,000	660	300	10.375	6.625	6.625	11.5	11.125	115.75
HDLM4400	4,400	1,996	1,320	599	14.88	8.875	8.354	16.357	17.25	275



Key: * = Lifting strength varies depending on thickness and composition of ferrous metal object being lifted. Dimensions for magnet base only. Other sizes available by special order, contact us for details.



B450W/CAMC lifts flat, ferrous metal items up to 450 lbs.



B125



B450W/CAMC

Magnetic Blocks

Multiple-pole magnetic blocks have mounting holes for attaching to surfaces for work holding. May also be drilled and tapped for fastening to spotlights, shop work lights, spray nozzles, etc. Heat tolerant to 180 degrees F. Model B450 is available with or without a cam release and eyebolt (available on B450 only). Must be specified.

Part No.	Pounds Pull	Length inches	Width inches	Height inches	D	Weight (lbs.)
B75	75	2.437	1.312	1.17	2	.85
B125	125	3.375	1.5	1.25	2.875	.8215
B175	175	3.562	2.062	1.312	3	1.2
B450	450	4.25	2.875	1.75	*	2.9
B450W/CAMC	450	4.25	2.875	1.75	*	3.5

Key: D = Distance between mounting holes. * = Holes may be drilled .625 inch deep on back face.

Lifting, Welding and Squaring Magnets

Industrial Strength Magnetic Lifts

For thick, non-flexing steel items.

Eliminates the need for slings, clamping devices or chains. Ideal for handling solid ferrous metal blocks, steel plates, forgings, and die castings in machine shops and warehouses. The PLM series features a non-marring roller cam release mechanism, and requires less torque to release parts. No electricity required.

Part No.	Pounds Pull	Length	Width	Height	Weight (lbs.)
		inches			
M1000	1,000	12.75	5.125	3.625	33
M1037	1,500	13.625	6.312	5.5	26
PLM1382	400	9.875	3.5	3.1875	12
PLM1383	1,000	12.625	5	3.1875	28
PLM1384	1,500	14.4375	7	3.1875	42



Magnetic Grippers

These magnets allow a firm grip on steel sheets and plates. Primarily designed for sliding and pulling. A forward push of the handle releases the material. Each has stainless steel, welded construction and is heat tolerant to 180 degrees Fahrenheit.

Part No.	Pounds Pull	Length	Width	Height	Weight (lbs.)
		inches			
M479C	600	6.125	5.25	1.25	9.9
M480C	400	5.125	4.5	1.25	6.6
M688C	280	5.125	3	1.25	5.2
BC100C	100	5	3.5	1.438	2.9



Magnetic Welding Angles

Hold thick or thin gauge steel securely in place for optimum welding. Powerful magnets are mounted in stainless steel housing with an adjustable or fixed 90 degree angle.

Part No.	Length	Width	Height	Weight (lbs.)
	inches			
WMS1306	6.375	1.75	6.625	5.25
WMAD1307	7.25	1.75	7.25	5.5



Magnetic Squaring Arm

Hold a true cutting edge when shearing or cutting steel. Reposition with a couple turns of the built-in release knob. Once attached to a flat metal surface, the device is held firmly in place. Up to 480 pounds of holding force.

Part No.	Length	Width	Height	Weight (lbs.)
	inches			
MSA12	12	2.125	1.0625	5.05



On/Off Workholding and Welding Magnets

Workholding Jig Magnets

These neodymium on/off workholding jig magnets, are strong, repositionable and easy to use. Simply turn to the 'on' position to hold when in place and turn to the 'off' when not in use, for safety. Ideal for woodworking, recommended to use at least two per jig or fixture.



Part No.	Pounds Pull	Base Length	Overall Length	Base Width	Base Height	Overall Height	Attachment Holes	Weight (lbs.)
		inches						
MJG095	95	1.1875	1.1875	.875	1.25	2.25	0	.35
MJG095MT*	95	1.1875	2.25	.875	1.25	2.25	2	.35
MJG150	150	1.575	1.1575	1.245	1.25	2.25	0	.55
MJG150MT*	150	1.575	2.62	1.245	1.25	2.25	2	.6

Key: * = .2 inch in diameter attachment holes



Magnetic Welding Squares

Place extremely powerful neodymium on/off magnet on two mating steel surfaces to help accurately position material during welding. Simply push handle down and turn to the 'on' position to hold in place and turn to 'off' when not in use for safety. Can be used on flat or round steel surfaces. Includes pre-tapped holes on all sides for versatile mounting.



Part No.	Flat Pounds Pull	Base Length	Base Width	Base Height	Overall Height	Thread Size	Attachment Holes	Weight (lbs.)
		inches						
MWS0150	150	1.735	1.565	1.725	3.125	8-20	12	.95
MWS0450	400	3	2.5	2.755	4.825	1/4-20	14	4.65
MWS1000	1000	4.275	4	2.987	5.1	3/8-16	14	11



Welding Magnets / Bi-Polar Assemblies

Welding Angle Magnets

Each of these preset angles attracts to any ferrous metal object and leaves hands free to safely work on the project. Ideal for fast setup and accurate holding for all welding jobs. Two models cover most common welding angles. Though not recommended for lifting applications, each model has a pull rating of 50 pounds.



WMH50

WMA50

Part No.	Pounds Pull*	Length	Width		Height	Weight (lbs.)
			inches			
WMH50	50	4.75	3.5		.625	1.1
WMA50	50	6.125	4		.625	1.21

Key: * = Not recommended for lifting.



Protractor: for 30, 45, 60, 75 and 90 degree angles



Arrow: for 45, 90 and 135 degree angles

Magnetic Welding Ground

Strong gripping power holds securely to ferrous metal work, providing positive ground for welding applications. Ideal for pipe that regular grounding clamps cannot grab.

- Spring-loaded stud keeps constant contact
- Copper stud provides 800 amps
- Handle rotates 360 degrees

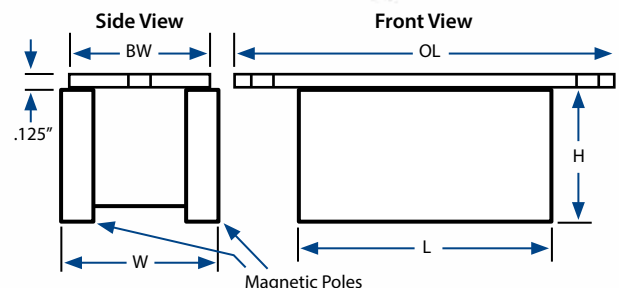
Part No.	Pounds Pull*	Diameter	Height	Weight (lbs.)
WMRB80	95	3.5	2.25	1.75



Bi-Polar Assemblies

Built to handle excessive abuse and temperatures up to 600 degrees Fahrenheit. Welded construction, painted black. Align pieces during welding, hold items on paint racks and devices in industrial ovens or the oil industry.

Part No.	Pounds Pull	Length	Width	Height	Overall Length	Backplate Width
1390A1C	40	2	.875	1.375	3.25	.75
1390A2C	55	2	1.25	1.375	3.25	1
1390A3C	65	3.875	.875	1.375	5.25	.75
1390A4C	120	3.875	1.25	1.375	5.25	1
1390A5C	250	3.875	1.875	2.125	5.25	1.75



Shielded Assemblies and Pot Magnets

Work Holding and Welding Magnets

Choose from a selection of small, powerful magnetic assemblies ideal for positioning items during manufacturing and fabricating. Often used for gripping, fixturing/tooling, clamping or press fitting. Excellent performance, stability and overall corrosion resistance make these magnets ideal for use in a variety of environments. Many styles available with a tapped end.



AAB2550BX



NAA.5X.5BX



NAA1.25X.75BX

Part No.	Pounds Pull	Description	Diameter	Height	Weight (lbs.)
			inches		
AAB2550BX	.14	Alnico Magnet with Brass Shield	.25	.5	1
AAB505BX	.225	Alnico Magnet with Brass Shield	.5	.5	.05
AAB7575BX	1.25	Alnico Magnet with Brass Shield	.75	.75	.11
NAA.25X.5BX	.7	Neo Magnet in Aluminum Cup with 6-32 tap	.25	.5	.006
NAA.5X.5BX	2.65	Neo Magnet in Aluminum Cup with 10-24 tap	.5	.5	.04
NAA1X.5BX	7.5	Neo Magnet in Aluminum Cup with 1/4-20 tap	1	.5	.08
NAA1X.75BX	15	Neo Magnet in Aluminum Cup with 1/4-20 tap	1	.75	.11
NAA1.25X.75BX	26	Neo Multi-Pole Magnet in Aluminum Cup with 5/16-18 tap	1.25	.75	.14
NAA2.5X1BX	95	Neo Magnet in Aluminum Cup with a 1/4 hole - flat tap	2.5	1	1
NAA3X1BX	145	Neo Magnet in Aluminum Cup with two 1/4 holes - flat tap	3	1	.98
NAB2525BX	1.25	Neo Magnet with Brass Shield	.25	.25	.006
NAB2550BX	1.5	Neo Magnet with Brass Shield	.25	.5	.013
NAB3737BX	5	Neo Magnet with Brass Shield	.375	.375	.019
NAB5025BX	4.25	Neo Magnet with Brass Shield	.5	.25	.019
NAB505BX	7	Neo Magnet with Brass Shield	.5	.5	.05
NAB7537BX	13	Neo Magnet with Brass Shield	.75	.375	.07
RBN2P-.5BX	8	Neo 2-Pole Magnet in Steel Cup with 10-32 tap	.5	.5	.04
RBN2P-1BX	46	Neo 2-Pole Magnet in Steel Cup with 1/4-20 tap	1	.5	.13

Ceramic shielded assemblies also available

Neodymium Assemblies

Neodymium assemblies are best used for small applications that need a lot of strength in low temperatures also known as neo, these rare earth magnets have a maximum operating temperature of 176 degrees Fahrenheit, (80 degrees Celsius), and are currently the strongest type of permanent magnet material available. They are insulated with a non-ferrous sleeve such as aluminum or brass when pressed into steel.

Alnico Assemblies

Alnico assemblies are most useful where heat is a factor. They withstand temperatures of 800 degrees Fahrenheit without appreciable loss of power. They should be insulated with a non-ferrous sleeve such as aluminum or brass when pressed into steel. Listed above are the most common sizes we offer, though other sizes are available. Most available with or without a tapped hole. Call for details.

Ceramic Assemblies

Ceramic assemblies use a ferrite magnet encased in an aluminum cup. They should not be used in temperatures greater than 180 degrees Fahrenheit due to the epoxy used in manufacturing. They can be pressed into steel without any further insulation. Most are available with or without a tapped hole. Other sizes available. Call for details.

* Most available with or without a tapped hole. Call for details.

Alnico Holding / Separation Magnets

Part No.	Pounds Pull	Diameter	Height	Hole Diameter	Weight (lbs.)
				inches	
AA6862	3.5	.687	.625	1/4-20	.05
AA8175	10	.812	.75	1/4-20	.1
AA1061	18	1.06	1	1/4-20	.25
AA1371	35	1.375	1.187	1/4-20	.55

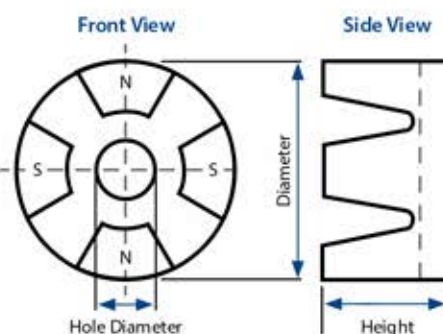
Alnico 5 Holding Magnets

Alnico assemblies can be used in a variety of applications where heat is a factor, up to 800° Fahrenheit. The 1/4-20 threaded center hole allows for easy mounting. Each includes a keeper to retain magnetic strength when not in use.



Part No.	Pounds Pull	Number of Poles	Diameter	Height	Hole Diameter	Weight (lbs.)
			inches			
AH2821N*	1.5	2	.5	.375	.165	.016
AH25H153MAG	5	2	.687	.687	.187	.04
AH2822N*	4	2	.75	.5	.218	.05
AH2888MAGC	9	2	.875	.875	.25	.1
AH2823C*	6	2	1	.625	.218	.12
AH2823N*	6	2	1	.625	.23	.12
AH43136C	16	4	1	.75	.25	.15
AH63130MAG	25	6	1.25	.75	.25	.16
AH63133	30	6	1.5	.875	.375	.36
AH83140	65	8	2	1.25	.5	.8

These alnico magnets can be used in a variety of industrial and consumer applications. Center hole allows for easy mounting. Each includes keeper to retain magnetic strength when not in use.



Key: * = Painted red. Cast with pole faces ground smooth.

Separation magnets below are useful for separating ferrous from non-ferrous materials in assembly lines and production sites.

Magnetic Tubes

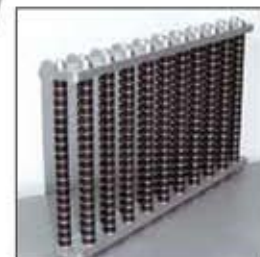
High quality stainless steel magnetic tubes are available for individual design of hopper grates or other magnetic applications. These 1 inch diameter magnetic tubes can be made with alnico, ceramic or rare earth magnet material, are manufactured to custom length, and sold by the inch. For use with very slow, free-flowing materials such as plastics, foods, cosmetics, grains and minerals. They also feature 1/4 - 20 tapped aluminum end plugs. Please call for a quote. Custom manufacturing available.



This is an example of a custom made hopper grate using magnetic tubes. For use with very slow moving, free-flowing materials.

Drop-In Magnetic Separators

Drop-in magnetic separator filters, designed for fluid tanks and reservoirs, pull fine particles out of fluids and hold them until the unit can be cleaned and dropped back in. Used in tanks or other containers having low to moderate flows. Direct blast of fluids over unit is not recommended. Custom manufacturing available.



Magnetic Pulleys

When material passes over the pulley, ferrous metal objects are attracted by the magnetic field and held tightly as the belt travels around the pulley. Objects are not released until they leave the influence of the magnet. Non-magnetic materials follow a normal trajectory. A divider plate can be installed to ensure that no remixing occurs. Standard diameters range from 6 to 36 inches, and standard widths range from 10 to 62 inches. Shaft size depends on length and weight.



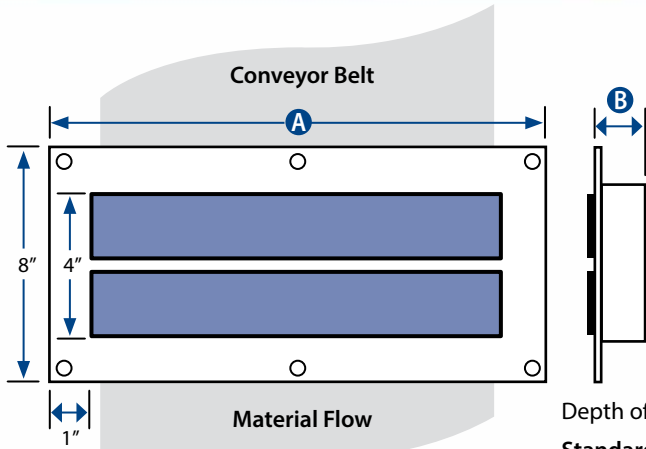
Ferrous objects are held tightly until leaving the influence of the magnet.

Request a quote online at magnetsource.com/separation

Custom manufacturing available.

Plate Magnets

Remove tramp iron from free-flowing materials such as corn, sugar, flour, gravel and granular plastic.



Depth of Burden, (Depth of material flowing over the magnet)

Standard: 1.5 inches

Heavy Duty: 2.5 inches

Light Duty Plate Magnets

Can be installed in chutes or suspended above conveyor belts and pulleys for low volume, lightweight and/or slow-moving applications. These standard ceramic plate magnets are available in single gap design, and are offered in 1 inch thick (standard) or 1.5 inch thick (heavy duty) models. Also available with powerful rare earth magnets. Call us for more details.



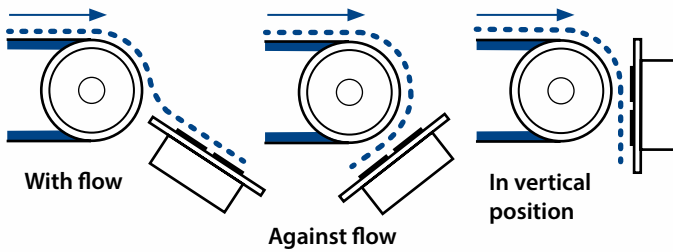
Model TG - Light Duty Plate Magnets

Part No.	A Width	B		B	
		Standard Thickness (In.)	Standard Weight (lbs.)	Heavy Duty Thickness (In.)	Heavy Duty Weight (lbs.)
TG8	8	1	5.6	1.5	7.5
TG12.5	12.5	1	8.4	1.5	11.25
TG16	16	1	11.2	1.5	15
TG25	25	1	16.8	1.5	22.5

Key: A = Overall width B = Thickness. Suspension distance measurements are the maximum recommended.

Typical Arrangements

At discharge of belt conveyor (side view):



Gravity Chutes

When installing the magnet in a chute, we recommend cutting the hole to 5 inches wide by 1 inch less than the overall length of the magnet.

Model PM - Light Duty Plate Magnets

Similar specifications to the TG models.

Part No.	Length	Width	Thickness	Weight (lbs.)
	inches			
PMA1450	6.5	14.5	1.25	12.5
PMA1850	5.625	18.5	1.25	15.84
PMSS1850*	5	18.5	1.25	15.84

Key: * = Stainless steel housing.

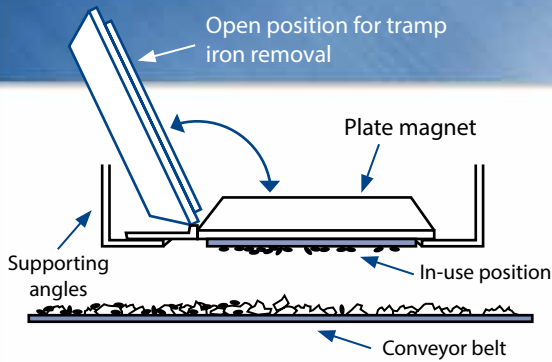
Heavy Duty Plate Magnets

For more length and depth of magnetic pull, try our heavy duty single or double gap plate magnets on the following page. These models are hinged for easy cleaning.

For detailed information or request a quote on any plate magnet, please visit magnetsource.com.

Heavy Duty Plate Magnets

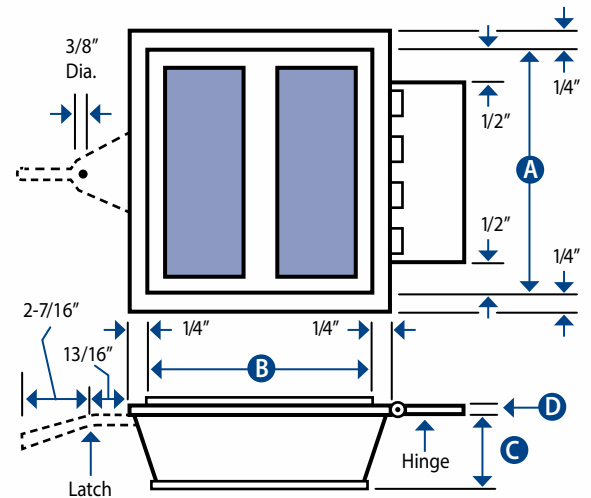
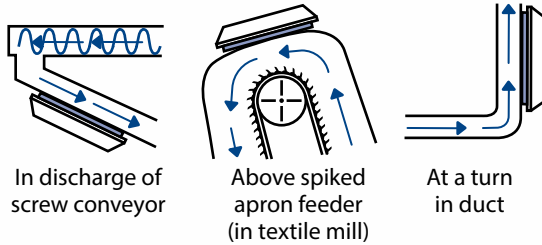
Available with powerful ceramic or rare earth magnets.
Call 1 800 525-3536 for custom quotes.



Single gap model is shown to the right (double gap model dimensions are identical to single gap except for "B" - see chart below). Made To Order.

Above is a typical setup for heavy duty plate magnet. Positive tramp iron removal is accomplished when plate magnets are suspended over chutes, belts, spiked apron feeders and conveyers. Hinge allows unit to be lifted for easy cleaning.

Typical Arrangements



Request a quote online at magnetsource.com/separation

Heavy Duty Model 15

Depth of Burden: 1.5 - 2 inches

A	Single		B		C	D
	Weight (lbs.)	Double	Single	Double		
6	9	16				
8	12	22				
10	15	27				
12	18	33				
14	21	38				
16	23	44				
18	26	49	6	11	1.31	.125
20	29	55				
24	35	66				
30	44	83				
36	53	100				
42	62	116				
48	70	132				

Heavy Duty Model 25

Depth of Burden: 2.5 - 3 inches

A	Single		B		C	D
	Weight (lbs.)	Double	Single	Double		
6	13	25				
8	18	34				
10	22	43				
12	27	52				
14	32	61				
16	36	70				
18	41	79	8	15	1.43	.125
20	46	88				
24	55	106				
30	69	133				
36	83	160				
42	97	186				
48	111	213				

Heavy Duty Model 35

Depth of Burden: 3.5 - 4 inches

A	Single		B		C	D
	Weight (lbs.)	Double	Single	Double		
6	19	36				
8	26	49				
10	32	62				
12	39	76				
14	46	89				
16	53	102				
18	60	115	8	15	2.25	.125
20	66	128				
24	80	154				
30	100	194				
36	121	233				
42	142	272				
48	162	319				

Heavy Duty Model 45

Depth of Burden: 4.5 - 5 inches

A	Single		B		C	D
	Weight (lbs.)	Double	Single	Double		
6	40	76				
8	54	103				
10	68	130				
12	82	158				
14	96	185				
16	111	210				
18	125	239	10.5	20	3.812	.187
20	139	266				
24	167	322				
30	210	403				
36	252	485				
42	295	570				
48	338	651				

Key: A = Width of live area, B = length of live area, C = Thickness of magnet assembly, D = Pole face clearance.

Magnetic Sweepers



Magnetic Push-Type Sweepers with Quick Load-Release

Heavy duty sweepers have 14 and 24 inch sweeping widths, 48 inch sturdy handle and 6 inch diameter rubber wheels. Quickly drop collected scrap metal by pulling back on the release handle. Some assembly required. The 18 inch wide floor sweeper has .5 to 2.5 inch adjustable sweeping height.

Magnetic Push-Type Sweepers

These models are incredibly strong and well built. Powerful ceramic magnets are encased in a durable aluminum housing which can be cleared of collected debris with work gloves or heavy shop towel. Easy to operate over most terrain – even in water! Sturdy, one-piece handle attaches easily. Sweeping width up to 86 inches.



Part No.	Approx. Pounds Pull	Sweeping Width Overall Width			8-Penny Nail Pick Up Test	Shipping Weight (lbs.)
		inches				
MFMS12	80	12	16.5	42	3.75 lbs. (340 pcs.)	17
MFMS24	160	24	28.5	42	7.5 lbs. (680 pcs.)	27
MFMS36**	240	36	40.5	42	11.25 lbs. (1,023 pcs.)	41

The sweepers below feature quick load-release handle for clearing collected materials.

07543	97.5	18	22.5	44	4.1 lbs. (372 pcs.)	13.5
MFMS14RX	233	14	19.75	48	3 lbs. (300 pcs.)	26
MFMS24RX	400	24	30.25	48	6 lbs. (600 pcs.)	43



Key: * = Handle height measured from assembly to top of handle. ** = Includes 2 eyebolts for hanging.



1 Tow behind Vehicle



2 Mount on Forklift



3 Hang from Vehicle

Tow-Behind Magnetic Sweeper with Quick Load-Release

Can be used in three different configurations. Clear driveways, factory aisles, parking lots, construction sites, and more. Works over any terrain, in any weather condition. Minimal assembly required.

- Tow from a variety of vehicles
- Quick load-release feature for easy cleaning
- Heavy gauge steel and aircraft-grade aluminum housing
- 8 inch diameter wheels provide 3-inch ground clearance
- Removable handle for suspension mounting
- Also available in widths of 60, 72, 84, and 96 inches - call for lead time



Part No.	Approx. Pounds Pull	Sweeping Width Overall Width		Magnetic Surface Area	Shipping Weight (lbs.)
		inches		sq. in.	
MTBS48	250	48	55	192	72
MTBS60	300	60	67	240	82
MTBS72	350	72	79	288	92
MTBS84	400	84	91	326	105
MTBS96	450	96	103	364	112

Tube size = 4 x 5 inches. Tow bar length = 46 inches.
Operating speed = 3 to 5 mph, depending on surface.

Magnetic Sweepers

Hang-Type Sweepers

Hang from your forklift or vehicle bumper and sweep all areas. Clear the face of the magnet with a glove or heavy shop towel. Two eyebolts installed for mounting. Each is 1.75 In. H x 5 In. D.



Hang-Type Sweepers with Release

Hang from forklift and secure with eyebolts (included). To unload, pull the release handle. As the magnet rises, collected material is released from the collector plate. Each is 4 In. H x 3 In. D.



MRS48



Part No.	Approx. Pounds Pull	Magnetic Sweeping Surface		8-Penny Nail Pick Up Test	Weight (lbs.)
		Width inches	Area sq. in.		
MRS18	160	18	60	8 lbs. (725 pcs.)	12
MRS24	213	24	120	11 lbs. (1,000 pcs.)	23
MRS36	320	36	180	16 lbs. (1,445 pcs.)	36
MRS48	426	48	240	22 lbs. (2,000 pcs.)	49
MRS72	640	72	360	33 lbs. (3,000 pcs.)	79
MRS78	695	78	390	36 lbs. (3,270 pcs.)	80
MRS84*	745	84	570	39 lbs. (3,545 pcs.)	86
MRS96*	855	96	780	44 lbs. (4,000 pcs.)	100

The sweepers below feature quick load-release handle for clearing collected materials.

MRHS36RXC	330	36	108	7.1 lbs. (645 pcs.)	17
MRHS48RXC	440	48	144	9.4 lbs. (855 pcs.)	23

MRHS36RXC

Key: * = These models should be shipped by truck, others may ship by a ground parcel service. Maximum recommended operating speed: 5 mph. Recommended sweeping height: 2 to 4 inches.

Trailer-Type Magnetic Sweepers

Quickly clear tramp iron from streets, construction sites, runways, steel mills, welding sites and more. Works over smooth or unpaved surfaces, wet or dry! The heavy .375 inch by 2 inch steel frame with adjustable hitch withstands the roughest conditions. They are designed to operate at road speeds up to 50 mph between jobs, and up to 10 mph during sweeping. Each sweeper has two large, heavy-duty magnets, with 90 pounds pull each. Releasing collected metal is easy. Simply pull the lever, and the load is released from the stainless steel collecting plate into the carrying pans.



Trailer-type sweepers make a clean sweep on big jobs!

Part No.	Sweeping Width	Overall Width	Overall Depth	Overall Height	Weight (lbs.)
	inches				
MRS172	72	84	56	27	650
MRS196	96	111	56	27	800



Note: All sweepers are designed for attracting ferrous metal pieces and debris. The pounds pull rating is for the purpose of magnetic strength comparisons only, and measured by a vertical pull test from a .5 inch thick ground steel plate.

Magnetic Sweepers and Pick-Up Tools

07263

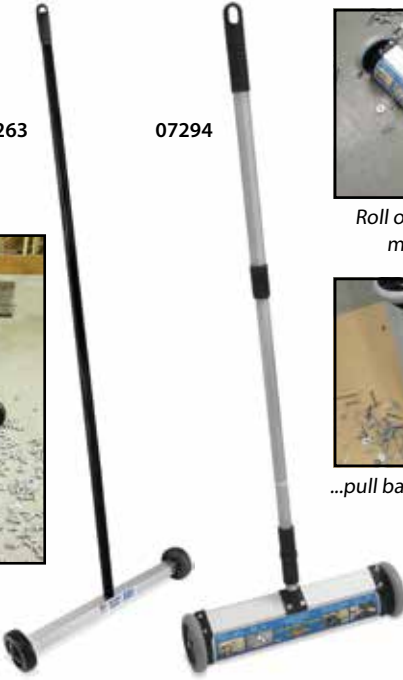
07294



Roll over scattered ferrous metal to collect it...



...pull back on handle to release.



Magnetic Mini Sweepers

Pick up nails, screws or any other small ferrous metal items. Clear collected debris with work gloves or a heavy shop towel. Choose from 14.5 or 27 inch sweeping width. Handle includes convenient hanging hole.

Magnetic Mini Sweeper with Release

Roll over scattered screws, nails and bolts, then a simple slide of the handle drops collected scrap metal into dumping area. The 40-inch long handle retracts to 27 inches.

Part No.	Sweeping Width	Overall Width	Handle Height*	8-Penny Nail Pick Up Test	Weight (lbs.)
	inches				
07263	14.5	17	40	1.6 lbs. (225 pcs.)	3
07265	27	30	40	2.35 lbs. (325 pcs.)	5.3
07294	13	15.5	27 to 40	1.6 lbs. (225 pcs.)	4

Key: * = Handle height measured from assembly to top of handle.



07247



07547



Extends from 24" to 40"

Magnetic Pick-Up Pal™

Prevent costly repairs and pick up nails, nuts, bolts, screws and scrap metal with a pull of up to 65 pounds. A sturdy, 35 inch steel handle reaches under vehicles, workbenches, tables, etc.

Extendable Magnetic Pick-Up Pal™

Twist and extend to retrieve hard-to-reach items. Compact size allows easy storage.



Part No.	Pounds Pull	Length	Handle Height*	Weight (lbs.)
		inches		
07247	65	36	35	1.05
07547	65	24	24 to 40	.85

Key: * = Handle height measured from assembly to top of handle.



Magnetic Pick-Up Tool Attachment

Attach an acme-threaded standard broom handle to this pre-threaded magnetic base. Use the wing nut to adjust the handle angle to desired position. Reach tools, nuts, bolts and other ferrous metal items from underneath vehicles with ease.

Part No.	Pounds Pull	Diameter	Thickness	Overall Height
		inches		
07508	65	3.25	.5	3.25

Specialty Holding Magnets

Magnetic Parts Trays

Keep loose nuts, screws and other small metal items in reach. Smooth stainless steel trays have powerful ceramic magnets with rubber covers in the base to secure them to a metal toolbox or table while keeping important metal pieces at hand. Ideal for mechanics, craftsmen and hobbyists.

- Works in any position - flat, sideways or upside down
- Heavy gauge, stainless steel with rubber base to prevent scratching
- Great for jobsite, garage, office and home



Part No.	Diameter	Height inches	Weight (lbs.)
07683	3	1.15	.2
07684	6	1.5	.8

Part No.	Length inches	Width inches	Height inches	Weight (lbs.)
07685	9.5	5.6	1.5	1.5
07686	14	6.25	1.5	2.4



OptiMag™ Magnetic Eyeglass Holder

Use this powerful neodymium magnet to securely and safely hold your reading/sun glasses, ear buds, and more on any shirt, backpack, blouse, or clothing. Place the blue magnet inside your shirt, and attach the eyeglass holder on the outside, then simply slide your glasses into the .5 inch loop to keep them conveniently close at hand.

- 1 In. Dia. base with .5 In. ring
 - 1 In. Dia. designer button, .75 In. Dia. silicone neodymium magnet
- Part No. EGHBX



Key Chain Magnet

Use this practical and functional key chain magnet for storing, hiding and holding keys. This slim, lightweight plastic key chain houses a powerful neodymium magnet. Ideal for detecting both magnetic and non-magnetic items in recycling and scrap metal salvaging. Also use to detect non-attracting gaps on previously repaired areas vehicle surfaces. The magnet has a four pound pull rating, and won't damage key fobs.

Part No.	Color	Part No.	Color	Part No.	Color
KCMBK-Bulk	Black	KCMBK-Bulk	Blue	KCMG-Bulk	Green
KCMW-Bulk	White	KCMO-Bulk	Orange	KCMR-Bulk	Red

Dimensions: 2 in. L x .75 in. W .187 in. H



Magnetic Tools



Magnetic Contact Light

Ideal in low-light environments, this powerful magnetic assembly uses LED lights to illuminate work area. Magnetically attaches to screwdriver or other small tools. Or use with clip assembly and attach to brim of hat.

- Continuity circuit turns ON/OFF on contact with metal tools
- Rotation ON/OFF switch when light is attached to hat clip
- Available with or without hat clip
- Batteries included (LR521). 100,000 hrs. bulb life, 2 lumens

Part No.	Description	Length	Width	Height	Weight (lbs.)
		inches			
MTLR	Magnetic LED Touch Light, red, batteries included (1PC/BX)	1	.75	.65	.03
MTLRW/CLP	Magnetic LED Touch Light with Hat Clip, batteries Included (1 PC/BX)	1.312	1.125	1.625	.08

Gaussmeter

The DC Gaussmeter is a very accurate instrument useful in measuring the DC magnetic field intensity of magnets, magnetic devices and assemblies, relays, electromagnets, motors, generators, loudspeakers, actuators, ferrite content in non-ferrous materials, and other applications.

Typical applications include magnet classification, analysis of magnetic circuitry and components, air shipment inspection, measurements of the Earth's field vectors, mapping and recording field perturbations, Magnetic Resonance Imaging (MRI), and measuring residual fields. [GM-2](#)



POLEIND01



Magnetic Pole Indicators

Simply point the North-South pole indicator toward the magnet and read the pole letter in the viewing hole.

POLEIND01 4.57" L x 1"W x .44" Thk.

The electronic North-South pole indicator features LED lights to identify pole locations. Includes pocket clip, on/off switch and 4 LR44 batteries.

POLEIND02 5.65" L x .875" W x .885" Thk.



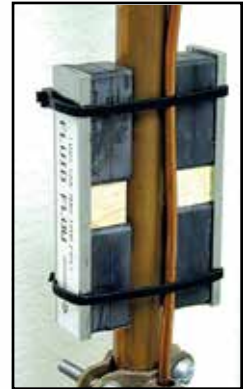
POLEIND02

Water Treatment Magnets

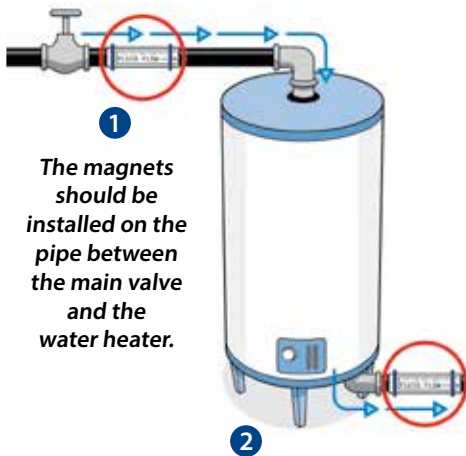
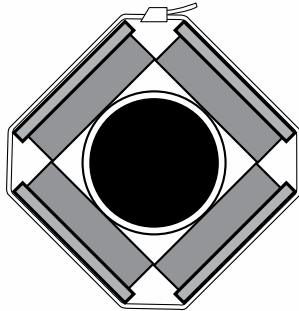
Magnetic treatment of water helps reduce "hardness" caused primarily by calcium and magnesium.

Water treatment magnets can prevent deposits of minerals on the inside of the pipe walls, and descale the existing buildup of solids. Although treatment begins when the magnets are installed, descaling can take as long as six months in heavily crusted pipes. Magnetized water is softer and cleaner.

These magnets are specifically designed for installation on various pipe sizes that range from .25 to 8 inches in diameter. They can be used on copper, plastic or steel pipes, and can be applied directly to a pipe or housed in a more marketable enclosure. For producers of finished, marketable water treatment units, please call one of our magnet application experts to determine the magnet best suited for your design.



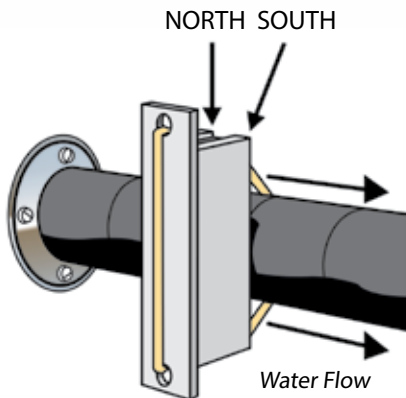
Side view of magnet arrangement is shown here. Secure magnets with wire, string, duct tape, hose clamps or plastic zip ties.



1
The magnets should be installed on the pipe between the main valve and the water heater.

2
A secondary unit should be installed on pipe that exits the water heater.

Below is an example of water flow into an ice machine.



Part No.	Pipe Size (Dia., In.)	Magnets Needed	Length	Width	Height	Weight (lbs.)	Typical Applications
			inches				
WTM4	.75 - 1	1 - 2	4.5	1	1	.7079	Private Residences
WTM802	2	4	7	2	.68	1.796	Agricultural Pipe, Car Washes, Spas
WTM1863	3	4	7	2	1.25	2.834	Factories, Hospitals, Mines, Boilers
WTM186	6	8	13	2	1.25	7.03	Steel Fabricators, Public Pools, Cooling Towers
WTM186X2	8	12	13.5	2	2.37	11.45	Industrial Drainage, Sewage Treatment Outlet Pipes
WTMLM50P	Up to .75	1-2	4.5	1	1	.344	Ice Machines, Water Coolers, Instant Water Heaters

Small Pipe Water Treatment Magnet

The WTMLM50P water treater is for all pipes up to .75 inch in diameter. The south pole of the magnet is designated with an "S". Water flow direction should be from north magnetic pole to south magnetic pole. The illustration to the left shows the proper application of this magnet to the pipe. Attach using wire, string, duct tape, zip ties or hose clamp.



Water must pass through the magnetic field from north to south.

Name Badge, Picture Hanger, Clip Magnets



Name Badge Magnets

Never again use clips or pins to hold that name badge to your valuable garments. Our name badge magnets will not leave holes, tears or other damage to the fabric, and are easy to use. Neodymium magnets offer tremendous holding power.



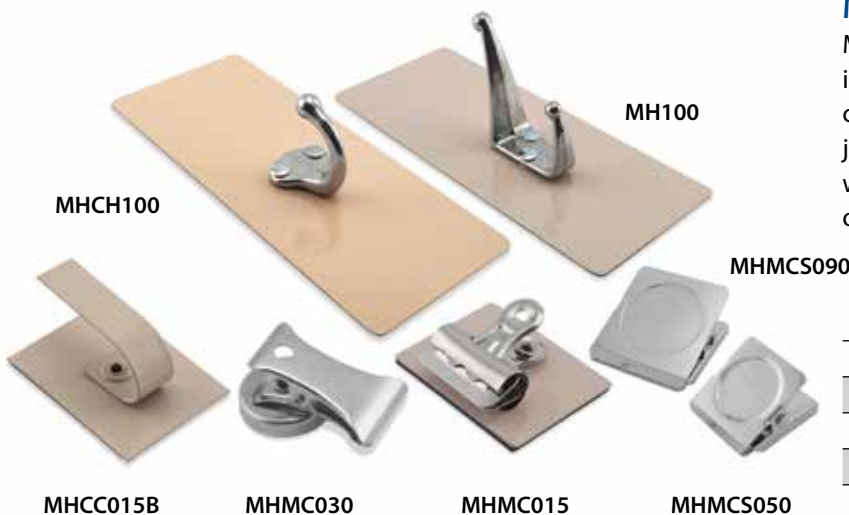
Part No.	Length	Width	Thickness	Weight (lbs.)
	inches			
NP07	1.75	.5	.25	.0252
NP08	.6875 dia.		.1875	.0104
NP09	1.8	.5	.25	.024



Magnetic Picture Hangers

The most convenient way to hang framed pictures, certificates or notices on steel partitions and cabinets. No holes to drill or nails to damage the walls. Supports 1.5 lbs. to 50 lbs.

Part No.	Pounds Pull	Length	Width	Color	Weight (lbs.)
		inches			
MHCPH015	1.5	1.5	2	Beige	.047
MHCPH025	2.5	2	3	Beige	.073
MHCPH050	5	3	4	Beige	.147
MHCPH100	10	3	7	Beige	.2332
MHCPH101	10	3.25	6.125	Grey	.3759
MHCPH150	15	4	7	Beige	.3046
MHCPH250	24	6	9	Beige	.5564
MHCPH500	50	9	12	Beige	1.2526



Magnetic Clips, Cable and Coat Hooks

Magnetic clips hold wiring, cords, memo pads and invoices. Cable hook holds phone and computer cords neatly to steel desks and partitions. Hang coats, jackets, hats, and umbrellas from any steel surface with powerful single or double coat hooks. Remove or reposition without holes or adhesive.

Part No.	Pounds Pull	Length	Width	Weight (lbs.)
		inches		
MHCH100	10	7.625	3.125	.3054
MH100	10	7.625	3.125	.316
MHCC015B	1.5	1.5	2	.057
MHMC030	3	1 Diameter		.044
MHMC015	1.5	1.5	2	.0675
MHMCS050	5	1.375	1.125	.05
MHMCS090	9	2	1.75	.15

Magnetic Label Holders & Pouches

Simple solutions for identifying file cabinets, posting photos and storing frequently used supplies.

Flexible Magnetic Label Holders

Clear, non-acidic plastic sleeves with white vinyl and full magnetic backing. Ideal for labeling inventory and records in warehouses, schools and offices that have ferrous metal shelving and cabinets. Print or handwrite your own labels, insert them in the sleeve and post where needed. Also use for photos and schedules. Easily change and reposition. Preprinted with a Benjamin Franklin quote.



Part No.	Length	Width	Weight (lbs.)
	inches		
ZGPHP1X4MW-C	1	4	.014
ZGPHP2X4MW-C	2	4	.025
ZGPHP3.5X5MW-C	3.5	5	.054
ZGPHP4X6MW-C	4	6	.06
ZGPHP8.5X11MW-C**	8.5	11	.25

Key: * = Sleeve opening is along the width. ** = Holds standard letter-sized documents.



Magnetic Pouches

Each clear, 3D, soft pouch has full powerful magnetic backing. Keep objects at hands' reach and organized in the warehouse, workshop or office. Magnetically attracts to any flat ferrous metal surface. Preprinted with a Benjamin Franklin quote.

Part No.	Width	Height	Thickness	Weight (lbs.)
	inches			
ZGPOUCH02	4.75	4	.5	.1291
ZGPOUCH03	4.75	6.5	.385	.2021
ZGPOUCH04	6.5	6.5	.375	.275
ZGPOUCH05	9.5	12	.5	.6187



Each pouch has full magnetic backing.



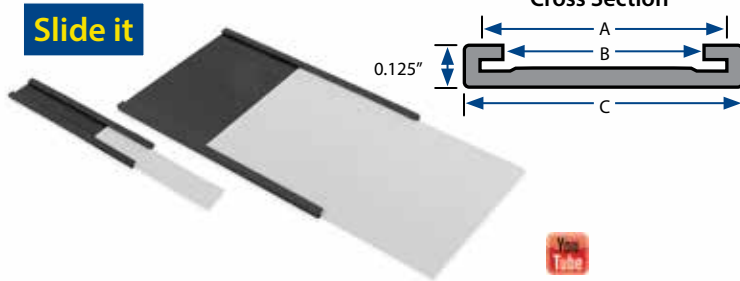
Magnetic Inventory Labels

Organize and label shelving and storage areas with repositionable magnets!

Master Magnetics offers four types of categories of magnetic inventory labels: Data card holders, magnetic strip with vinyl top coat, plain magnetic strip for pre-printed labels, and label holders.

Flexible Magnetic Data Card Holder Kits

Slide labeling into one of these pre-formed magnetic channels.



Part No.	Channel Width A	View Area B	Overall Width C	Cut Length
	inches			
RE10CUT3BXS01	.4	.32	.475	3
RE20CUT3BXS01	.825	.65	.95	3
RE20CUT6BXS01	.825	.65	.95	6
RE40CUT3BXS01	1.7	1.475	1.83	3
RE40CUT6BXS01	1.7	1.475	1.83	6
RE90CUT5BXS01	3	2.862	3.125	5

Flexible Magnetic Strip with Vinyl Coating

A quick and easy way to label metal racking and shelves.



Part No.	Length	Width	Thickness
	inches		
ZG03040W/WKS	200 ft. Roll	1	.03
ZG03080W/WKS	200 ft. Roll	2	.03
ZG03090W/WKS	200 ft. Roll	3	.03
ZG40W/WKS	100 ft. Roll	.5	.06
ZG40Y*	100 ft. Roll	1.5	.06

Key: W/WKS = White vinyl coating on weak side. * = Yellow vinyl coating on weak side.

Standard Flexible Magnetic Strip

Affix computer-generated or handwritten labels with product information to the non-magnetic (grooved) side.



Part No.	Length	Width	Thickness
	inches		
ZG10AC	100 ft. Roll	.5	.06
ZG40AC	100 ft. Roll	1	.06
ZG40S3.5*	100 ft. Roll	1	.06
ZG60	100 ft. Roll	1.5	.06
ZG80	100 ft. Roll	2	.06
ZG90AC	100 ft. Roll	3	.06

Key: AC = Adhesive Backing. * = Scored every 3.5 inches.

Flexible Magnetic Label Holders

A quick and easy way to label shelving or post signs.



Part No.	Length	Width	Thickness
	inches		
ZGPHP1X4MW-C	4	1	.02
ZGPHP2X4MW-C	4	2	.02
ZGPHP4X6MW-C	6	4	.02
ZGPHP3.5X5MW-C	5	3.5	.02
ZGPHP8.5X11MW-C	11	8.5	.02

Key: W/WKS = White vinyl coating on weak side. * = Yellow vinyl coating on weak side.

Magnetic Sign Holders

Powerful and unique point of purchase magnets are ideal for securely holding signs and graphics to retail metal display units such as gondolas, shelves and even warehouse racking. Magnets offer a variety of designs and economical solutions to fulfill the need for easily repositionable and re-usable sign holding devices.

Channel Sign Holders

Adjustable sign holders hold merchandising and sale signs with flexibility. Slide a sign in the channel and swivel, turn or tilt until the perfect angle is achieved. Features clear, plastic housing with 360 degrees adjustable joint(s) and a strong neodymium round base.



Part No.	Stand Type	No. of Joints	Diameter	Length	Height
			inches		
MSHN02	plastic	1	.8	1.96	2.15
MSHN03	plastic	2	.8	1.96	4.09
MSHN04	plastic	2	.8	1.96	6.06



MSHN02



MSHN03



MSHN04

Clip Sign Holders

Grab and display P.O.P. signs with magnetic sign holder with clips. Sturdy clips in a variety of shapes and sizes quickly call attention to merchandise in a variety of locations. Strong magnets ensure superior holding power. Unique clear acrylic hourglass shaped clips with plastic stands on 360 degrees adjustable neodymium round bases.



Part No.	Stand Type	No. of Joints	Diameter	Width	Height
			inches		
MSHN05	plastic	1	.8	.86	2.83
MSHN06	plastic	2	.8	.86	4.84
MSHN07	plastic	2	.8	.86	6.75
MSHN10	plastic	4	.8	4.7	5.55



MSHN05



MSHN06



MSHN07



MSHN10

Wide Flexible Holders

Sturdy, clear holders provide optimal holding support for larger signs. MSHC06 tilts 180 degrees on a white ceramic base.

Part No.	Stand Type	No. of Joints	Length	Width	Height
			inches		
MSHC06*	plastic	-	2.4	1.53	3.2
MSHN12	metal	2	-	3.125	6.625
MSHC13†	magnetic	-	3	1	.9

*To view the base types please go to page 36. †To view magnetic pull please go to page 37.



MSHC06



MSHN12



MSHC13

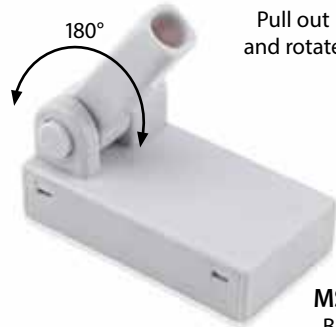
Magnetic Sign Holders

Magnetic Bases

These bases offer various options for sign holding and banner posting. Display a flag or sign without drilling holes, and easily reposition as needed.



MSHBA01
Base A-
Pull out
and rotate



MSHBB
Base B
Push Button

Part No.	Description	Attachment Opening	Pounds Pull	Length	Width	Height	Weight (lbs.)
				inches			
MSHBA01 Base A	Magnetic adjustable base - pull-out: White plastic ceramic channel base with 180 degrees adjustable pull-out joint, includes liner.	5 mm	55	2.4	1.53	2.64	.25
MSHBA Base A		8 mm	55	2.4	1.53	2.64	.25
MSHBB Base B	Magnetic adjustable base - push-button: White plastic ceramic channel base with 180 degrees adjustable push-button joint, includes liner.	8 mm	40	2.73	1.5	2.65	.3
MSHL01	Magnetic sign holding 90 degree base: White plastic 90 degree ceramic channel base	-	25	2.28	.79	2.74	.07



MSHL01



Magnetic Base with Flexible Stand and Wide Clip

Great for posting warnings, wayfinding or organization of SKU and inventory signage in warehouses.

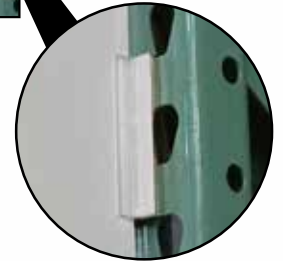
Part No.	Description	Length	Width	Height
		inches		
MSHC08	Magnetic flexible sign holder wide clip: White clip with flexible metal stand on adjustable 180 degree white ceramic channel base A (above)	2.73	4.26	19

Magnetic Sign Holders

Super Grip Magnetic Sign Holders

Clear acrylic holders with inside fins for a secure grip. Each is mounted with adhesive to a powerful ceramic base magnet assembly. Use for warehouse and aisle signage. MSCH15 features a flexible holder that bends without breaking – perfect for high traffic areas.

Part No.	Description	Pounds Pull	Length	Width	Height
			inches		
MSHC12	Sign holder is mounted to CA293 ceramic channel magnet base.	20	2.98	1.023	.488
MSHC13			2.96	.988	.9
MSHC14	Sign holder is mounted to CBA300 ceramic channel magnet base.	60	3	1.587	1.32
MSHC15	Bendable sign holder is mounted to CBA300 ceramic channel magnet base.	60	2.97	1.575	1.57



MSHC12



MSHC13



MSHC14



MSHC15

Single-Sided Magnetic Sign Protectors

A quick and easy solution for posting important signs, schedules and instructions. Simply slip printed sign into the channel. Each clear acrylic sign protector has two black magnetic strips for mounting to ferrous metal surfaces.

Part No.	Description	Length	Width	Thickness
		inches		
MSHK01	Large magnetic clear acrylic sign protector - A3	16.5	11.75	.175
MSHK02	Medium magnetic clear acrylic sign protector A4	11.87	8.25	.122
MSHK03	Small: A5	8.2	5.79	.122



Promotional Magnets

Magnets make an excellent method of promoting your business. Customize our magnets with your logo and message to create an attractive promotional item.

Here's a small sample of some of the unique magnetic products that we can customize with your logo or artwork.

Flexible Promo Magnets

Provide your customers with a printed informational magnet relevant to their daily needs – keeping your company name hanging around. Depending on your business, magnetic informational charts can include kitchen conversion charts, metric conversion charts, wine pairing guides, planting guidelines, dosage listings, tap and die charts, machinery maintenance how-tos, and much more.

Magnetic Parts Tray

Store metal parts and tools during assembly and disassembly with the incredibly useful magnetic parts tray. This compact, stainless steel tray has a powerful, rubber-coated ceramic magnetic base to attach the tray to a metal surfaces and keep important metal pieces secured in any position. Full color logo or graphic with a domed epoxy decal affixes permanently to center of tray.

Name Badge Magnets

Powerful neodymium magnets attract through clothes, securely holding name badges without damage to clothing. Printed in full color with brilliant UV ink. Multiple styles available.

Magnetic Cup Caddy

A favorite among workers without desks, such as mechanics, construction and warehouse personnel. Holds wide range of products, including cans, cups and work-related items. Powerful magnet attract to any ferrous metal toolbox, cabinet or vehicle. Four-color, domed epoxy decal provides large 2.5" x 4" oval imprint area for logo or artwork.

View all of our promotional magnetic products online at:
magnetsource.com/promo

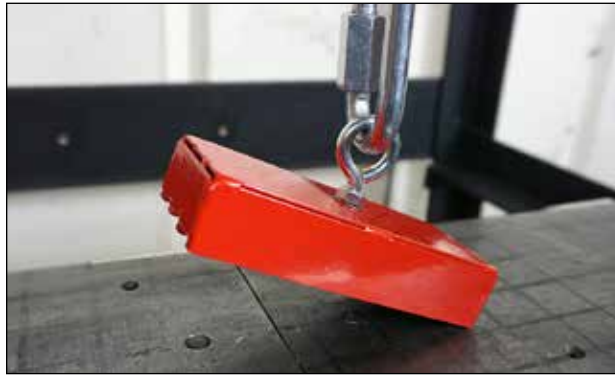
Contact us for information on custom ordering promotional magnets and more promotional magnet choices to advertise your business.

sales@magnetsource.com

Measuring Pull Strength

Magnetic assemblies are measured by the pounds of pull in a vertical test. The higher the pull strength, the stronger the magnet. Pull strength is a reliable method of measuring the maximum strength, or holding power, that a magnet has before it will separate from ferrous material. It is measured in pounds or kilograms.

The magnet industry rates magnetic assemblies by pounds of pull in a vertical breakaway test. Each magnet's entire magnetic surface is tested against a .5" thick, ground steel plate. Beginning with a clean magnetic surface and a clean steel surface, the magnetic assembly to be tested is attracted to the steel plate. A hook with the measuring device is attached to the magnet and it slowly pulls the magnet upward until enough force to break the magnet away from the plate has been created. The measuring device records the pounds pull.



By repeating this test multiple times, we can establish an accurate reading and pounds pull rating for the magnetic assembly.

Pull tests are widely used across the industry and it's common for magnetic assemblies to have a rating of pounds pull in order to provide users with accurate insight of the product's capability.

However, it is important to note that pull strength will vary with:

- differing thicknesses of steel (particularly less than .5")
- types of steel composition
- coatings on the steel, including paint or grease
- or uneven surface area, such as rust



Magnet Safety

Magnets might appear small and shiny, but don't underestimate their strength. Just like most things there are some common sense guidelines for handling magnets. These tips for magnet safety can help prevent personal injury and property damage, especially for Rare Earth magnets.



- Wear gloves and take care when handling strong magnets. Pinching, snapping or crushing can easily occur when a finger is caught between two attracting magnets. Many of our magnets come with plastic spacers just for this reason.
- Wear protective eye wear. Magnets are very brittle and pieces can easily chip or shatter if they accidentally snap together, sending shards flying.
- Magnets are not toys. Do not give to children to play with.
- Do not swallow magnets. They can do severe damage to internal organs, resulting in surgery or death.
- Magnets can interfere with pacemakers and other medical devices such as magnetic ports. Avoid wearing badge magnets, decorative magnetic clips or similar items near the device.
- Always properly store and label industrial magnets. Their extreme strength poses an added risk to users who may be unaware of the magnet's capabilities.
- Always store magnets in "Off" position or with shields, if available.
- Magnets affect compasses and navigational equipment. For this reason, we do not recommend shipping most magnets by air – without being properly packed and shielded strong magnets are classified as dangerous good for air transportation.

Refer to our shipping magnets blog at magnetsource.com for additional information. (goo.gl/iOe1Fm)

While many magnets with low pull strength may not pose the same danger that very strong rare earth magnets do, it's always a good idea to treat magnets with respect. Safety first.

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