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WALKER

# WALKER MAGNETIC CHUCKS

ELECTROMAGNETIC  
&  
PERMANENT MAGNETIC

*Sterling*  
MACHINERY EXCHANGE

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## INDEX

### CHUCKS

#### STANDARD GRINDING

Low Profile Interloc Electromagnetic	1
Fine Division LBP Electromagnetic	2
Ceramax Fine Division Permanent	3

#### SPECIAL GRINDING

Full Length Bar Pole Electromagnetic	4
Transverse Bar Pole Electromagnetic	4

#### ELECTROPERM MACHINING

Electroperm Operation	5
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#### HEAVY DUTY MILLING

Hi-Power Electromagnetic	6
--------------------------	---

#### ROTARY SURFACE GRINDING & TURNING

Rotary Electromagnetic	7
Rotary Permanent Ferrogrip	8
Permanent Alnico	8

### ELECTROMAGNETIC CHUCK CONTROLS

Automatic Machine Mounted;	
Manual Release and Variable Holding;	
Automatic Wall Mounted Controls	9

### SELF-CONTAINED LIFT MAGNETS

Toter Permanent	10
Battery Powered	10
CER Circular Electric	11
Bi-Polar	11

### DEMAGNETIZERS

Plate, Portable, Aperture	12
---------------------------	----

### LITERATURE AVAILABLE

Literature Request FAX Form	13
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## GUARANTEED WORKHOLDING PERFORMANCE

We guarantee more holding power than any other make of comparable magnetic chuck. We also guarantee workholding performance when Walker matching controls are used with Walker Electromagnetic Chucks. You must be satisfied or you can return chuck or control.

Over 100 years of quality and experience have made O.S. Walker the World Leader in magnetic holding.

Walker continues to set the standards for permanent and electric chucks in the machine tool industry.

#### WARRANTY

All products manufactured by O.S. Walker Co. are warranted for one year from date of sale. We will replace or repair any goods found defective due to our workmanship after receipt and inspection of the product in our plant.

## GENERAL INFORMATION

#### HOW TO ORDER:

1. Specify size and type of magnetic chuck desired.
2. All electromagnetic chucks operate on DC (direct current).

Most Walker chucks are designed for operation on either 115V DC or 230V DC. Simple terminal box connections enable you to adjust the chuck for the correct DC voltage output on your control. Walker Fine Division Long Bar Pole chucks are for 115V DC only.

All Walker electromagnetic chucks are clearly stamped with the correct DC voltage connection on leaving our factory.

A rectifier and control switch are required to convert your available AC (alternating current) to DC (direct current) and to turn your chuck "on" or "off". The control switch must also be capable of reversing the DC input to the chuck to release the workpiece.

3. A complete line of electromagnetic chuck controls are now available from Walker. The matching controls are engineered to provide optimum chuck workholding performance. For complete information for selecting the correct control, refer to the Walker Control Catalog.

4. Special applications and auxiliary tooling.

Please send complete specifications, including drawings and/or samples of workpieces to be held. Other pertinent information, such as type of machine and operations to be performed, should also be included.

5. Terms: Net 30 days.

6. Shipping

Please specify preferred method of shipment. All shipments are F.O.B. Factory, Worcester, MA, U.S.A.

### REPAIRS

O.S. Walker Co. repairs all makes of electromagnetic and permanent magnetic chucks. Chucks or controls requiring repairs should be shipped to our plant for inspection. We will promptly advise the repair cost and delivery time before proceeding with repairs. Please include description of problem along with name, address, and telephone number of person to be advised.



**1-800-W-MAGNET**

Rockdale St., Worcester, MA 01606 (508) 852-2332 FAX (508) 852-2349  
3508 Glenridge Drive, Chino Hills, CA 91709 (909) 597-4785 FAX (909) 597-0581

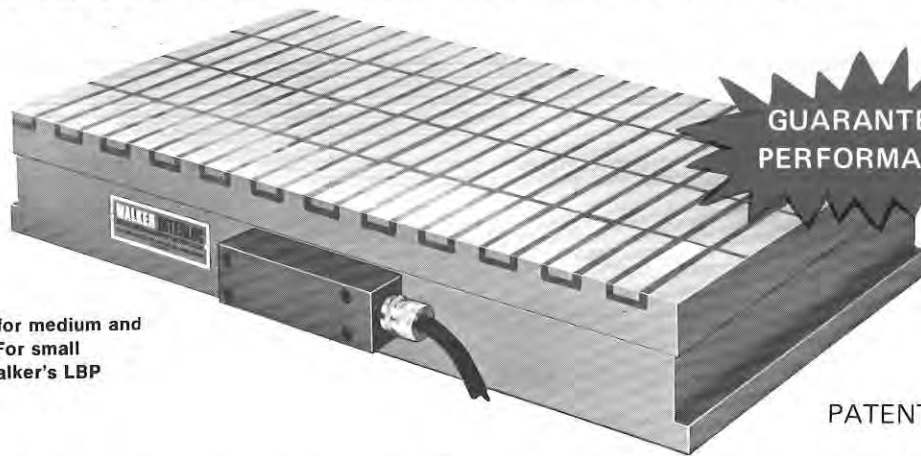
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Email: info@walkermagnet.com



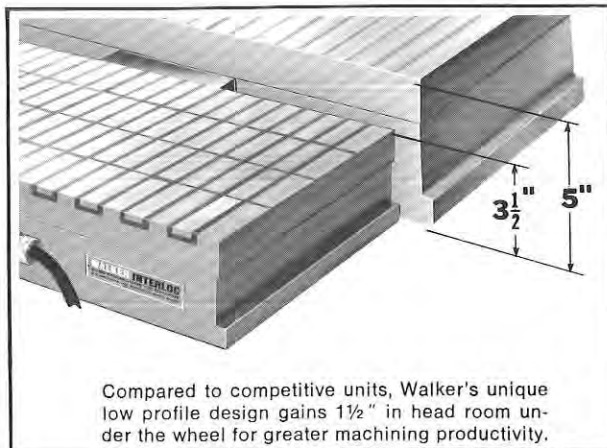
# Standard Grinding

## Walker Low Profile Interloc Electromagnetic Chuck



Recommended for medium and large grinders. For small grinders, see Walker's LBP electric chuck.

PATENTED DESIGN



Compared to competitive units, Walker's unique low profile design gains 1 1/2" in head room under the wheel for greater machining productivity.

This universal workholding chuck offers maximum effective holding on the widest range of workpiece shapes and sizes. Its effectiveness is considerably enhanced by the new low profile feature, which adds more head room under the wheel. Only 3 1/2" in height, this new low profile Interloc is 1 1/8" shallower than the conventional Walker Interloc and a full 1 1/2" less than competitive units of the same type. This savings in height permits greater flexibility with added head room under the wheel to position the work or handle bulkier pieces. This results in savings in set up time and added productivity. It also reduces the chuck weight by 30% or more.

The low profile is achieved with no loss of strength, precision or holding power. With the unique Walker Interloc design, more than 75% of the chuck's surface is major north and south poles, making it easier to locate workpieces without concern for locating poles. There is no wear loss due to the shallower polarity pattern in the replaceable top plate.

### SPECIFICATIONS

Size	Watts	Wt. (lbs.)	Size	Watts	Wt. (lbs.)	Size	Watts	Wt. (lbs.)
8 x 24	150	175	14 x 36	290	450	24 x 36	575	830
8 x 36	220	265	14 x 40	355	500	24 x 40	600	920
8 x 40	275	295	14 x 48	470	600	24 x 48	770	1100
8 x 48	295	350	14 x 60	570	750	24 x 60	960	1380
10 x 15	90	136	16 x 24	290	350	30 x 36	720	1040
10 x 24	185	220	16 x 28	270	410	30 x 48	960	1250
10 x 30	185	275	16 x 30	354	435	30 x 60	1200	1460
10 x 32	212	295	16 x 36	430	520	36 x 36	865	1375
10 x 36	275	330	16 x 40	440	580	36 x 48	1150	1650
10 x 40	276	364	16 x 48	575	690	36 x 60	1440	1925
10 x 48	370	440	16 x 60	720	870	42 x 48	1345	2070
10 x 60	460	550	18 x 36	430	625	42 x 60	1680	2425
12 x 18	155	210	18 x 40	450	690			
12 x 24	190	275	18 x 48	575	825			
12 x 30	235	345	18 x 60	720	1035			
12 x 36	290	415	20 x 24	288	435			
12 x 40	300	460	20 x 36	530	650			
12 x 48	385	550	20 x 40	500	725			
12 x 60	480	690	20 x 48	710	870			
14 x 24	190	300	20 x 60	885	1090			
14 x 30	236	375						
14 x 32	270	400						

#### NOTES

(1) 60 inch is the maximum recommended chuck length of one piece construction. For 72", 84", 96", or longer, use a combination of standard lengths as listed up to 60" maximum.

(2) Model MSD Controls are recommended for all Interloc Chucks.

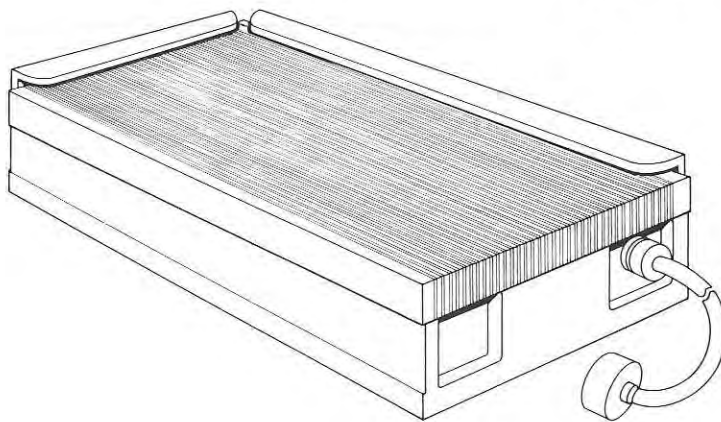
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# Standard Grinding

## Walker Fine Division LBP Electromagnetic Chucks

The LBP is an extremely versatile electric chuck. Its variable holding power permits easy flat grinding (without shimming) of workpieces which do not have one true flat surface. The magnetic surface pattern allows for simple and inexpensive tooling designs to hold intricately shaped workpieces.



Full magnetic surface to all edges - powerful holding over entire chuck surface.

Fine pole division ( $1/8$ " ) - for more uniform magnetic holding of small parts.

Solid construction top plate - protects coil from penetration of coolant; provides stronger, more stable work surface.

Lowest height of any electric chuck - for more wheel head clearance.

Suitable for EDM Applications.

### SPECIFICATIONS

Size	Watts	Height (in.)	Weight (lbs.)
4 x 8	26	2 $\frac{7}{8}$	22
4 x 10	32	2 $\frac{7}{8}$	28
5 x 10	35	2 $\frac{7}{8}$	35
5 x 12	42	2 $\frac{7}{8}$	43
6 x 10	40	2 $\frac{7}{8}$	42
6 x 12	50	2 $\frac{7}{8}$	46
6 x 14	68	2 $\frac{7}{8}$	54
6 x 18	85	2 $\frac{7}{8}$	70
8 x 15	95	2 $\frac{7}{8}$	80
8 x 18	100	2 $\frac{7}{8}$	100

Size	Watts	Height (in.)	Weight (lbs.)
8 x 20	140	2 $\frac{7}{8}$	110
8 x 24	150	2 $\frac{7}{8}$	130
10 x 15	82	2 $\frac{7}{8}$	130
10 x 18	105	2 $\frac{7}{8}$	160
10 x 20	143	2 $\frac{7}{8}$	170
10 x 24	150	2 $\frac{7}{8}$	215
12 x 18	146	3 $\frac{1}{8}$	140
12 x 24	141	3 $\frac{1}{8}$	185
16 x 32	281	3 $\frac{5}{8}$	312

### RECOMMENDED CONTROLS

For best results Automatic Release Control Model MSB is recommended with all L.B.P. design chucks.

For Manual Release Control see Model SMMCV.

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# Standard Grinding

## Walker Ceramax Fine Division Permanent Magnetic Chucks



The Walker Ceramax is the most widely accepted permanent magnetic chuck in the machine tool industry. This patented design offers maximum holding power, ease of installation and operation.

It is extremely versatile, being suitable for many milling applications in addition to general toolroom grinding.

### PATENTED DESIGN

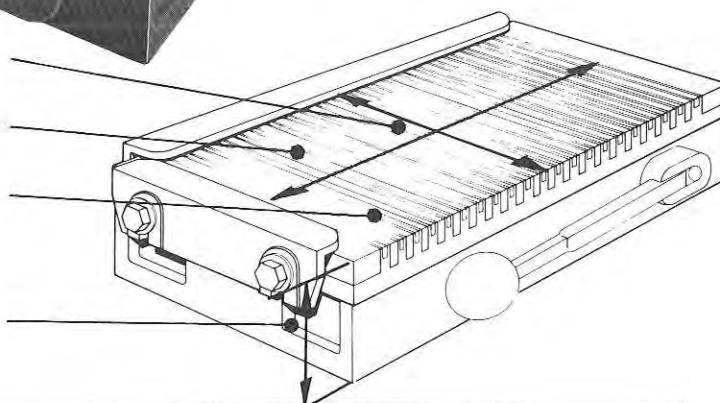
Full magnetic surface to all edges - powerful holding over entire chuck surface.

Fine pole divisions - for more uniform magnetic holding of small parts.

Solid construction top plate - protects permanent magnetic pack from penetration of coolant; provides stronger, more rigid work surface.

Lowest height - of any permanent chuck for more wheel head clearance.

Suitable for EDM Applications.



### SPECIFICATIONS

Size	Height (in.)	Weight (lbs.)	No.	Operating Handle Location	Standard Pole Divisions
4 x 4	2 <sup>3</sup> / <sub>8</sub>	10	1		<p>1/16" GAPS    1/4" MAJOR POLES    1/8" MINOR POLES</p>
4 x 8	2 <sup>3</sup> / <sub>8</sub>	20	1		
5 x 10	2 <sup>5</sup> / <sub>8</sub>	29	1		
5 x 12	2 <sup>5</sup> / <sub>8</sub>	36	1		
6 1/2 x 6 1/2	2 <sup>5</sup> / <sub>8</sub>	26	1		
6 x 10	2 <sup>5</sup> / <sub>8</sub>	36	1		
6 x 12	2 <sup>3</sup> / <sub>4</sub>	45	1		
6 x 14	2 <sup>3</sup> / <sub>4</sub>	53	1		
6 x 18	2 <sup>3</sup> / <sub>4</sub>	67	1		
8 x 15	2 <sup>3</sup> / <sub>4</sub>	75	1		
8 x 18	2 <sup>3</sup> / <sub>4</sub>	90	1		
8 x 20	2 <sup>3</sup> / <sub>4</sub>	105	1		
8 x 24	2 <sup>3</sup> / <sub>4</sub>	120	1		
10 x 15	2 <sup>3</sup> / <sub>4</sub>	94	1		
10 x 18	2 <sup>3</sup> / <sub>4</sub>	105	1		
10 x 20	2 <sup>3</sup> / <sub>4</sub>	130	1		
10 x 24	3 <sup>5</sup> / <sub>8</sub>	140	1		
10 x 30	3 <sup>3</sup> / <sub>4</sub>	245	2		
12 x 18	3 <sup>5</sup> / <sub>8</sub>	165	1	 	
12 x 24	3 <sup>3</sup> / <sub>4</sub>	200	1		
12 x 36	4 <sup>5</sup> / <sub>8</sub>	450	2		
12 x 48	4 <sup>5</sup> / <sub>8</sub>	560	2		

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NOTE: Operating handles shown in "off" position. Arrows indicate movement to "on" position.



# Special Grinding

## Walker Electromagnetic Chucks

### SPECIFICATIONS

Sizes are common to both styles of chucks.  
Nominal Height: 4"

Size	Watts Transverse Style	Watts Full Length Style	Approx. Weight (lbs.) Either Style
612	80	50	70
618	125	75	110
818	150	100	150
824	180	150	200
1015	150	100	155
1024	225	175	245
1030	300	225	305
1036	340	275	360
1048	450	375	490
1060	570	475	610
1218	236	150	215
1224	285	200	300
1230	380	250	360
1236	425	300	430
1240	475	350	485
1248	570	400	600
1260	710	500	720
1424	310	250	340
1436	450	375	510
1448	600	500	680
1460	750	625	850
1624	340	280	400
1632	500	—	535
1636	500	420	600
1640	570	480	660
1648	685	560	800
1660	855	700	1000
1836	620	450	660
1840	690	525	720
1848	830	600	880
1860	1000	750	1100
2024	450	335	500
2036	680	500	750
2040	750	570	810
2048	900	660	1000
2060	1140	830	1250
2436	850	600	880
2440	950	700	990
2448	1140	800	1170
2460	1420	1000	1460
3036	1080	750	1080
3048	1440	1000	1440
3060	1800	1300	1800



### Full-Length Bar Pole



### Transverse Bar Pole

These two chucks are considered to be similar because they are both basically the same in design concept except that the poles run lengthwise in one case and across the chuck in the other. One chuck would be selected over the other with consideration being given to the direction of poles suited to the nature of the work being held.

These chucks being special in design offer superb holding power, but because they are custom made, we would only recommend them when careful investigation has shown that one of our standard chucks will definitely not fit the application.

NOTE: 16-32 Full Length Bar Pole See 16-32 LBP Page 2  
Selection of either of these designs should only be made with the assistance of our Engineering Department.

#### RECOMMENDED CONTROLS

Model MSD Controls are recommended for all Bar Pole Electromagnetic Chucks.

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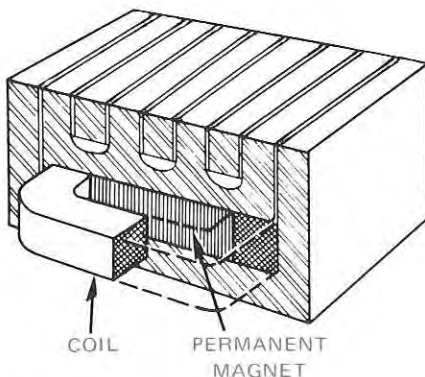


# Electroperm Machining

## Walker Electroperm Operated Chucks

**COLD OPERATING -  
PRECISION MACHINING**

**SAFE FROM  
ELECTRICAL FAILURE**



The Electroperm feature offers two significant advantages: a cold operating, structurally stable chuck; and holding power which will not let go in the event of power failure.

### COLD OPERATING

Electroperm operation requires the use of permanent magnets in the chuck circuit. These magnets are energized or de-energized electrically using momentary pulses of current to turn the chuck on or off. As electric current is only passed through the coils momentarily, the internal heating of conventional electric chucks is eliminated, resulting in a distortion free chuck surface and greater accuracy when grinding.

Because there is no heat built-up, complicated set-ups can be safely left overnight on an Electroperm-operated chuck, eliminating the need to set up the following morning.

### FAIL-SAFE HOLDING

The Electroperm feature provides fail-safe holding. The chuck will not let go in the event of a power failure because the magnetic holding force is supplied by permanent magnets.

### ELECTRICAL CONTROLS

The control used for electroperm operation is similar to that used for an electric chuck except that it supplies pulses of current rather than a continuous flow. It also has the feature of variable and residual holding. The time required to energize a chuck is generally up to 3 to 4 seconds. The required time it takes to de-energize the chuck, depends on the size of the chuck installation and type of workpieces being held. On an average it takes up to 25 seconds. The release cycle is adjustable to accommodate a wide range of workpieces and applications.

### COMPLETE RANGE OF SIZES

The electroperm feature is applicable to all styles of rectangular and rotary type electromagnetic chucks. Selection of these designs should only be made with the assistance of our sales engineering department.

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# Heavy Duty Milling

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## Walker Hi-Power Electromagnetic Chucks

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HEAVY STOCK REMOVAL



The Walker Hi-Power Electromagnetic Chuck has a special magnetic multi-coil design, exclusive to the O. S. Walker Company, that provides extra powerful holding for heavy stock removal applications such as milling, planing, and heavy grinding.

A unique feature of this design is that 90% of the chuck surface is major magnetic pole area. Where maximum holding power is required, it is

important that the workpiece contact the greatest amount of major magnetic pole area. A further feature is that the multi-coil circuit allows for frequent magnetic polarity changes in order to assure chip-free cutter operation.

The extra holding power of this chuck may be required when certain types of auxiliary plates are used.

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# Rotary Surface Grinding & Turning

## Walker Rotary Electromagnetic Chucks



RADIAL POLE

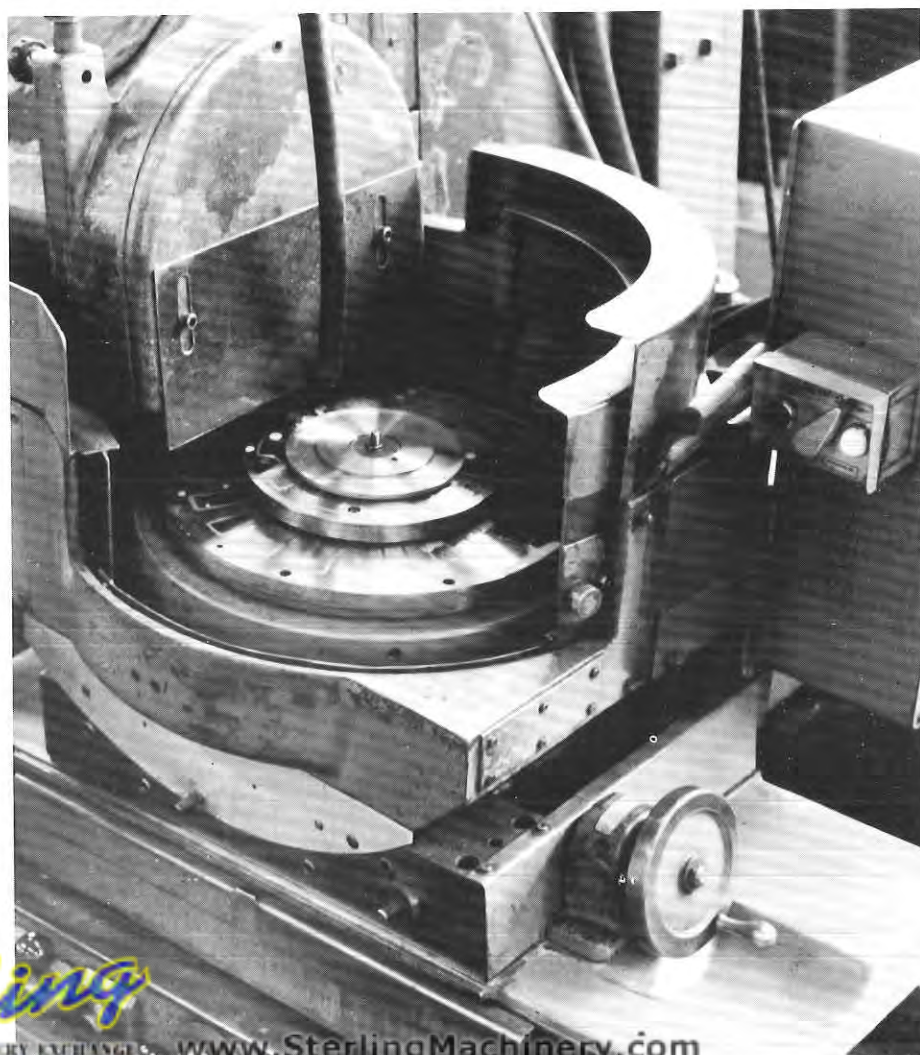


CONCENTRIC GAP

Walker Rotary Electromagnetic Chucks are made in both the concentric gap and radial pole design. In general, the radial pole design is recommended for holding circular workpieces such as rings and discs, while the concentric gap chuck is more efficient for holding workpieces nested together.

### SPECIFICATIONS

Size	Watts	Weight (lbs.)
6	25	35
8	45	65
10	65	95
12	90	135
14	150	180
16	200	235
18	300	325
20	400	400
24	500	575
30	700	900
36	900	1300
42	1200	1800
48	1600	2350
60	2300	4000



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# Rotary Surface Grinding & Turning

## Walker Rotary Magnetic Chucks Permanent Ferrogrip

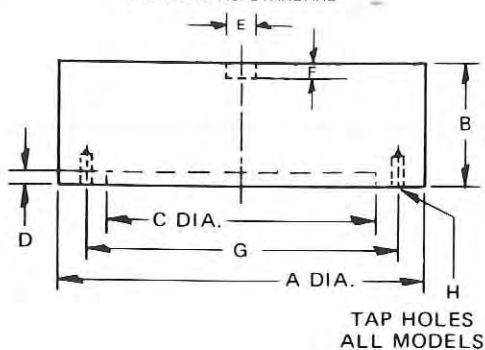


These chucks provide dependable magnetic holding for rotary surface grinding, many lathe applications, and auxiliary tooling applications.

The entire top plate is magnetic with each pole individually magnetized by powerful ceramic permanent magnets, so that electrical controls and collector rings are not required.

Frequent magnetic polarity changes prevent magnetization of tool bits.

PILOT HOLE  
PROVIDED AS STANDARD



### SPECIFICATIONS

Model	A	B	C	D	E	F	G	NO.	Holes Tapsize H	Depth	WT. (lbs.)
6RF	6 <sup>1</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	5	1 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	4	5 <sup>1</sup> / <sub>16</sub> -18	3 <sup>1</sup> / <sub>4</sub>	22
8RF	7 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	6	7 <sup>1</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	4	5 <sup>1</sup> / <sub>16</sub> -18	3 <sup>1</sup> / <sub>4</sub>	33
10RF	9 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	8	3 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	9 <sup>3</sup> / <sub>8</sub>	4	5 <sup>1</sup> / <sub>16</sub> -18	3 <sup>1</sup> / <sub>4</sub>	46
12RF	11 <sup>13</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	10	3 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>4</sub>	4	5 <sup>1</sup> / <sub>16</sub> -18	3 <sup>1</sup> / <sub>4</sub>	71
14RF	13 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>16</sub>	12	7 <sup>1</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>4</sub>	4	5 <sup>1</sup> / <sub>16</sub> -18	3 <sup>1</sup> / <sub>4</sub>	102
16RF	15 <sup>3</sup> / <sub>4</sub>	3 <sup>15</sup> / <sub>16</sub>	12	1 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	14 <sup>7</sup> / <sub>8</sub>	6	3 <sup>1</sup> / <sub>8</sub> -16	3 <sup>1</sup> / <sub>4</sub>	146
18RF	*17 <sup>3</sup> / <sub>4</sub>	3 <sup>15</sup> / <sub>16</sub>	14	1 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	17	6	3 <sup>1</sup> / <sub>8</sub> -16	3 <sup>1</sup> / <sub>4</sub>	183
20RF	*19 <sup>11</sup> / <sub>16</sub>	3 <sup>15</sup> / <sub>16</sub>	16	1 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	18 <sup>7</sup> / <sub>8</sub>	6	3 <sup>1</sup> / <sub>8</sub> -16	3 <sup>1</sup> / <sub>4</sub>	216

\*Has two ON and OFF switches.

## Permanent Alnico



These permanent magnet chucks have radial poles designed specifically to provide maximum holding of circular workpieces such as rings or discs. Auxiliary tooling can be used also for special applications.

### SPECIFICATIONS

Size	Height (in.)	Weight (lbs.)
8	3 <sup>1</sup> / <sub>4</sub>	50
10	4	79
12	4 <sup>1</sup> / <sub>2</sub>	154



# Walker Electromagnetic Chuck Controls

## Automatic Machine Mounted Control

Automatic Release, Full, Variable and Residual Holding.



Input 115 VAC Output 0-110 VDC

Model Number	Wattage Capacity	Net Weight
MSB1	150	13
MSB3	300	16
MSB5	500	18

Above models can be used with any chuck.

- Touchpad control allows easy selection of full, residual, variable and release positions.
- Automatic release cycle assures workpiece release, freeing machine operator from manual operation.

## Manual Release and Variable Holding



This Electromagnetic Chuck Control provides a direct current supply and variable holding feature.

Input 115 VAC Output 0-110 VDC

Model Number	Wattage Capacity	Net Weight
SMMCV-1.5	150	8

### All Walker Controls have these features:

- Maximum reliability. Printed circuit boards plug in for ease of service. Solid state convenience and dependability.
- Conveniently located control dial and switch simplify adjustment.
- 0 - 100% variable holding power adjustment.
- External tabs on control units permit easy mounting in any position.

## Automatic Wall Mounted Controls

Automatic Release, Full, Variable and Residual Holding.



Bridge Rectifier  
Control Assembly

### MODEL MSD



Remote  
Control

Model Number	Wattage Capacity	Standard Output Voltage	Net Weight
MSD-3	300	115 VDC	60
MSD-5	500	115 VDC	60
MSD-7	750	115 VDC	205
MSD-10	1000	115 VDC	205
MSD-15	1500	115 VDC	215
MSD-20	2000	230 VDC	280
MSD-30	3000	230 VDC	300
MSD-50	5000	230 VDC	325
MSD-75	7500	230 VDC	410
MSD-100	10000	230 VDC	440

U.S. Patent #4,771,358

**Input Voltages** 208/230/240/380/440/460/480 VAC  
50/60 hz

Please specify AC voltage when ordering.



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# Toter CM-400, CM-800

## Permanent Lift Magnets



### RECOMMENDED APPLICATIONS

Permanent lifting magnets require good surface conditions to achieve maximum lifting.

The TOTER is ideally suited for in-plant handling, loading and unloading machine tools, and is commonly found in industrial plants, machine shops and warehouses. When greater holding capacity is required, refer to our battery magnets or our circular electric magnets.

### PERFORMANCE RATINGS ON AISI 1020 STEEL

Model CM-400	0-880 lbs ( 0-400 kg )
Model CM-800	0-1760 lbs ( 0-800 kg )

The TOTER is a compact, self-contained, lifting magnet which uses permanent magnets that maintain holding power indefinitely. Within the steel housing are powerful ceramic magnets whose field is controlled by the "on-off" position of the handle.

Because no electric power is required, TOTERS can operate completely free of the restriction of power cords, and can be used where electric power is not readily available.

The maximum rated lift is based upon lifting clean, smooth, flat, low-carbon steel plate, 1½" or thicker with the full area of the magnet's lifting surface in contact with the load.

Derating is required for plates with rust or scale, plates thinner than 1½", and alloy steels.

Please consult the **OPERATOR'S MANUAL AND SAFETY INSTRUCTIONS** for more details.

**REQUEST NEW LITERATURE**  
**For NEW BATTERY-POWERED**  
**SELF-CONTAINED LIFT MAGNET**  
**BROCHURE No. 213**

These self-contained magnets are designed to operate on their own power, eliminating the need for restricting cords and wires. The further advantage of being usable in areas where electric power is not available. The BM-1350C is a new, compact model for general utility lifting. The BM-3600C has a special shoe design for plate lifting, but it has almost universal capability. BM-1350C, BM-2500C and BM-3600C are all single units. The BM-5000C is two magnets on an adjustable spreader beam operated from a single battery pack.

### RECOMMENDED APPLICATIONS

These versatile Walker magnets have widespread application for handling of plates, die blocks, machined components, smooth castings and forgings. These Battery Powered Magnets are extremely useful throughout any plant - around the yard, receiving and shipping areas, storeroom, cut-off saws, burning and welding tables, and machine tools such as grinders, millers, shapers, drill presses, etc.



SPECIFICATIONS
Model No.

SPECIFICATIONS				
Model No.	BM-1350C	BM-2500C	BM-3600C	BM-5000C
Length	15	21	48	60
Width	8.6	9.6	9.6	12
Height to Crane Hook	21	22.7	20.5	23.8
Net Weight	155	295	530	640
Shipping Weight	165	310	550	690

PERFORMANCE RATINGS ON AISI 1020 STEEL	
MODEL	RATED LIFT
BM-1350C	0-3,000 lbs.
BM-2500C	0-5,500 lbs.
BM-3600C	0-8,000 lbs.
BM-5000C	0-11,000 lbs.

The maximum rated lift is based upon lifting clean, smooth, flat, low-carbon steel plate, 2" or thicker with the full area of the magnet's lifting surface in contact with the load.

Derating is required for plates with rust or scale, plates thinner than 2", and alloy steels.

Please consult the **OPERATOR'S MANUAL AND SAFETY INSTRUCTIONS** for more detailed ratings.

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# CER Series

## Circular Electric Lift Magnets

A CER magnet, pound for pound, is the least costly but most powerful magnet available. Due to the deep penetration of its magnetic field, it is less susceptible to adverse surface conditions than any other self-contained magnet.

### RECOMMENDED APPLICATIONS

CER magnets are ideally suited for in-plant handling of steel plate, flat stock, castings, forgings, or machined components in all types of industrial plants, machine shops, fabricating shops, and steel warehouses. Handling of loose parts such as nuts or bolts is also a popular application.

### SPECIFICATIONS

Model No.	Power required at 115/160 supply (watts)	Net Weight (lbs.)	Diameter A	Height to hook H <sub>2</sub>
CER-5	62	23	5 1/8"	9 3/4"
CER-7	83	43	6 3/4"	11 1/4"
CER-9	135	94	9"	11 3/4"
CER-12	345	142	12"	
CER-16	545			
CER-20				



### PERFORMANCE RATINGS ON AISI 1020 STEEL

Model No.	Rated Lift (lbs.)
CER-5	0-600
CER-7	0-1,200
CER-9	0-2,400
CER-12	0-4,000
CER-16	0-7,250
CER-20	0-10,500

NOTE: When handling... ed lift will be... the load.

**REQUEST NEW LITERATURE**  
**For NEW BATTERY-POWERED**  
**SELF-CONTAINED LIFT MAGNET**  
**BROCHURE No. 213**

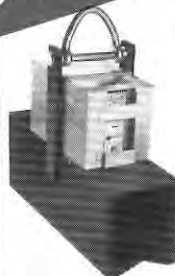
Cont  
Series



BM



BM-5000C



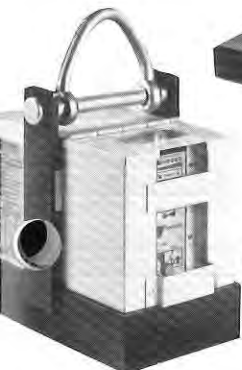
BPS-50C



BM-3600C



BPS-25C



BM-2500C

The special feature of this Battery Bi-Polar Magnet is the unique design of pole shoe which enables it to handle a wide variety of structural shapes and rounds. Powered by its own battery, it is free of restricting cords and wires, and can also operate in areas where electric power is not readily accessible.

### RECOMMENDED APPLICATIONS

This unique magnet is ideally suited for handling pipe, tubing, bar stock, billets, I beams, H beams, angles, channels, Tees, Zees, and pilings.

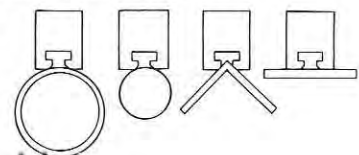
Although specially designed to handle structural shapes and rounds, the Bi-Polar configuration also lifts plate, coil, forgings and castings.

### SPECIFICATIONS

Model No.	BPS-25C	BPS-50C
Length	18 1/2"	30"
Width	9 1/2"	10 1/2"
Height to Hook	26 1/2"	29"
Net Weight	370 lbs.	736 lbs.

Remote Control Switch with 10' cable is available as an accessory but must be specified with original order.

VERSATILE POLE SHOE DESIGN HANDLES  
 ROUNDS, ANGLES,  
 STRUCTURAL SHAPES AND PLATE



www.SterlingMachinery.com



# Demagnetizers – AC Type



## Plate Type

The Walker Plate Type Demagnetizer is ideal for toolroom use to demagnetize drills, cutters, etc., and for small production runs. The standard model demagnetizer produces a field of high flux density. A flip of the switch energizes the unit. No accessory equipment is required. To demagnetize a piece, simply slide it slowly and smoothly over the top of the plate, passing it clear of the demagnetizing field.

### SPECIFICATIONS

Size 8" w. x 10" l. x 4½" h.	Size 10" w. x 10" l. x 4½" h.
115 Volts AC — .9 KVA	115 Volts AC — 1.9 KVA
60 Hz., Single Phase	60 Hz., Single Phase
Net Weight 29 lbs.	Net Weight 63 lbs.



## Portable Pistol Grip

Walker Portable Pistol Grip Demagnetizers are particularly useful for demagnetizing large work that is difficult or impossible to move, and as stationary units for demagnetizing bars, rods, etc.

### SPECIFICATIONS

Pistol Grip (Trigger Switch) 115V - 1.7 KVA
Net Weight 19 lbs.



## Aperture Type

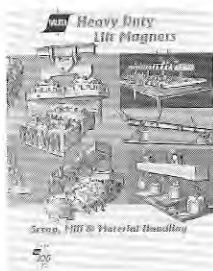
The Walker Aperture Type Demagnetizers are designed to operate on alternating current. To demagnetize a workpiece, merely pass it through the aperture and remove it from the field of the demagnetizer. Care should be taken to assure that the workpiece is well away from the demagnetizer before the demagnetizer is switched off. For production lines a chute may be used to slide the parts to be demagnetized through the aperture.

For information on Demagnetizers refer to Walker  
Demagnetizer catalog

[www.SterlingMachinery.com](http://www.SterlingMachinery.com)



# WALKER PRODUCT LITERATURE AVAILABLE



## WALKER HEAVY DUTY LIFT MAGNETS

Request (8-11)

This catalog contains the complete line of Walker products for Scrap, Steel Mill, Material Handling Magnets... plus Total Systems, Electrical Systems and Repairs.



## WALKER LIFT MAGNETS STEEL HANDLING APPLICATION GUIDE

Request (7-39)

This is a complete guide to Walker Steel Handling Magnets.



## BOX MAGNETIC DRILL STANDS

Request (3-11)

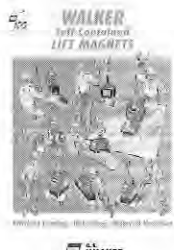
When you can't bring the work to the drill, you can bring the drill to the work with Walker magnetic drill stands. Available with or without built-in drill motors.



## WALKER MAGNETIC SWEEPERS

Request (237)

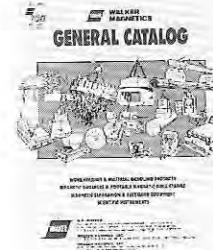
This catalog describes our complete line of lightweight permanent magnetic floor sweepers and self-contained, towable electromagnet sweepers.



## WALKER SELF-CONTAINED LIFT MAGNETS

Request (213)

These permanent and battery-powered lift magnets are self-contained, compact and mobile. They are widely used for loading and unloading machine tools, in-plant material handling and in shipping and receiving areas.



## GENERAL CATALOG

Request (8-17)

Features all Walker workholding and material handling products, portable magnetic separators, magnetic sweepers and scientific instruments.



## ONE-STOP MAGNET REPAIRS & RECONDITIONING

Request (5-83)

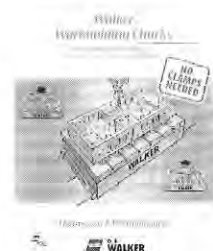
This flyer describes the programs and services Walker offers for Magnetic Chucks, Controls and Lift Magnets.



## WALKER DEMAGNETIZERS

Request (8-82)

Features Demagnetizers for every AC Application. Aperture types, Portable, Plate Type and Conveyor are illustrated along with "Hall Effect" Gaussmeters.



## WALKER WORKHOLDING CHUCKS

Request (153)

This brochure contains information on the advantages of utilizing magnetic chucks for all Mold/Die Machining operations... including EDM.

TO RECEIVE LITERATURE: CALL 1-800-W-MAGNET

WRITE OR **FAX** THIS REQUEST FORM

I'm interested in the following:

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