



WALKER MAGNETICS

Magnetic Solutions Since 1896

SELF-CONTAINED LIFT MAGNETS

Permanent / Battery Powered / Circular Electric



EFFICIENT MATERIAL HANDLING

Walker Self-Contained Lifting Magnets are versatile, compact — and easy to operate.

- Permanent magnets operate with the push of a handle. There are no restrictive cords and no power is needed.
- Battery magnets use their own power source and can be turned on or off using either I.R. Remote Transmitter or by push button.
- Circular Electric magnets use a recessed “ON-OFF-Release” switch. A remote option is also available.

Self-contained magnets can be used to move material in any plant, shipping/receiving area and storerooms, as well as on cut-off saws and burning and welding tables. Some units are able to handle pipe, tubing I and H beams, angles, channels, Tees, Zees and pilings.

PERMANENT
ELECTRIC
BATTERY



PERMANENT LIFT MAGNETS

For Flat and Round Material Handling



CM-400 & CM-800 TOTERS

for Flat Material Handling

The CM is a compact, self-contained, lifting magnet that uses permanent magnets to maintain holding power indefinitely.

Within the steel housing, there are powerful ceramic magnets whose field is controlled by the "on-off" position of the handle.

No electric power is required, so CMs can operate free of the restriction of power cords, and they can be used where electric power is not readily available.

SPECIFICATIONS

Model No.	Length		Width		Height		Weight	
	in.	mm	in.	mm	in.	mm	lbs.	kg
CM-400	7.6	194	5.7	144.02	12.4	315	72.6	33
CM-800	10.9	278	7.6	192.02	15.6	395	169.4	77

LIFTING CAPACITY

Model No.	Cap. on Plate		Cap. on Rounds	
	lbs.	kg	lbs.	kg
CM-400*	0 - 880	0 - 400	n/a	n/a
CM-800**	0 - 1,760	0 - 800	n/a	n/a

* Never lift loads with any dimension greater than 72" (1.8 m)

** Never lift loads with any dimension greater than 96" (2.4 m)

RECOMMENDED APPLICATIONS

- To achieve maximum lifting, permanent lifting magnets require good surface conditions.
- The CM 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 WBM, NEO or CER Magnets.

NEO-125, 250, 500, 1000 AND 2000

for Flat and Round Material Handling



The NEO-125, 250, 500, 1000 and 2000 Series material handling magnets are used in steel, supply, machine and die shops where heavy steel objects must be moved quickly and safely.

- High lift capacity
- Ease of operation
- Low weight...easy to move
- No power consumption
- Handle locks in "ON & OFF" positions to prevent unintentional operation
- Meets all the requirements of ANSI/ASME B30.20 (Safety standard)
- Supplied with manual, pull-test certificate, and safety posters

- The maximum rated lift is based upon lifting a clean, smooth, flat, low-carbon steel plate, 1.5" (38mm) 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 1.5" (38mm) and alloy steels.
- Please consult the OPERATOR'S MANUAL AND SAFETY INSTRUCTIONS for more detailed ratings.

SPECIFICATIONS

Model No.	Length		Width		Height		Weight	
	in.	mm	in.	mm	in.	mm	lbs.	kg
NEO-125	3.6	92.2	2.3	59	4	101	6	2.7
NEO-250	5.9	151	4	100.08	6	167	22	10
NEO-500	9.7	246	4.7	119.89	6	167	42	19
NEO-1000	12.4	316	5.8	147.07	8.5	216	80	36
NEO-2000	19	483	6.5	165.1	9.8	249	198	90

LIFTING CAPACITY

Model No.	Cap. on Plate		Cap. on Rounds	
	lbs.	kg	lbs.	kg
NEO-125	0 - 275	0 - 125	0 - 50	0 - 25
NEO-250	0 - 550	0 - 250	0 - 275	0 - 125
NEO-500	0 - 1,100	0 - 500	0 - 550	0 - 250
NEO-1000	0 - 2,200	0 - 1000	0 - 1,100	0 - 499
NEO-2000	0 - 4,400	0 - 2000	0 - 2,200	0 - 998

BATTERY POWERED LIFT MAGNETS

For Flat and Round Material Handling

WBM-13, 25, 36 & 50 LOCAL AND CORDLESS REMOTE CONTROLLED

for Flat Material Handling



These magnets are compact, mobile, self-contained battery-powered units. Operating on their own power sources, they are free of restrictive cords and wires; they also have the added advantage of being usable in areas where electricity is not available.

STANDARD FEATURES

- Built-in automatic cut-off charger prevents over-charging battery
- Audible Warning Alarm & Flashing Light indicates low battery
- Interlock prevents magnet de-energization when suspended in air
- Magnet cannot be turned "ON" if battery charge is too low

SPECIFICATIONS

Model No.	Length		Width		Height to Crane Hook		Net wt.		Ship wt.	
	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
WBM-13	16.3	414	8.6	218	22.4	569	190	86	200	91
WBM-25	21	533	9.6	244	23	574	275	125	290	132
WBM-36	48	1219	9.6	244	23	579	560	254	580	263
WBM-50	60	1524	12	305	23	584	650	295	700	318

Batteries not included

RECOMMENDED APPLICATIONS

- These versatile magnets are used in many areas of applications; handling of plates, die blocks, machined components, smooth castings and forgings. These battery powered magnets are extremely useful throughout any plant, shipping and receiving areas, store-rooms, on cut-off saws, burning and welding tables, and with other machine tools such as grinders, shapers, drill presses and more.



WBP-7 & WBP-15 BI-POLAR SERIES CORDLESS REMOTE CONTROLLED

for Flat, Round and Shaped Material Handling

The special feature of this battery bi-polar magnet is the unique design of the pole shoe, that enables it to handle a wide variety of structural shapes and rounds.

SPECIFICATIONS

Model No.	Length		Width		Height to Crane Hook		Net wt.		Ship wt.	
	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
WBP-7	18.5	470	9.5	241	28	706	390	177	410	186
WBP-15	30	762	10.5	267	30	762	700	318	775	352

Batteries not included

RECOMMENDED APPLICATIONS

- The WBP Series Magnet is ideally suited for handling pipe, tubing, bar stock, billets, I beams, H beams, angles, channel, Tees, Zees and pilings.
- Although the WBP is specially designed to handle structural shapes and rounds, the bi-polar configuration also lifts plate, forgings and castings.
- WBP-7 & WBP-15 lifting magnets are ideal for loads with a thickness of 1/4" or greater, and diameters between 1 inch and 12 inches.

Rated Lift Capacity on AISI Steel

Model No.	Flat Stock		Round Stock	
	lbs.	kg	lbs.	kg
WBM-13	0 - 3,000	0 - 1350	n/a	
WBM-25	0 - 5,500	0 - 2500	n/a	
WBM-36	0 - 8,000	0 - 3600	n/a	
WBM-50	0 - 11,000	0 - 5000	n/a	
WBP-7	0 - 1,665	0 - 750	0 - 1,665	0 - 755
WBP-15	0 - 3,330	0 - 1500	0 - 3,330	0 - 1511

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.



IR Remote Transmitter* supplied with each WBM — WBP Magnet

- Dual push button release
- Clip allows operator to attach to belt or pocket
- Single push button lift
- Additional remote control units available at nominal cost

* Standard with all WBM, WBP Magnets

BUX® BATTERY POWERED LIFT MAGNETS

For Flat Material Handling

BM1350, BM2500,
BM 3600 & BM5000
LOCAL AND CORDLESS
REMOTE CONTROLLED

for Flat and Round Material Handling – 220V



BM1350, BM2500, BM5000

These models are designed to lift heavy, thick plates and blocks. The maximum lift capacity is obtained on material thickness of 50 mm and above and on relatively flat, machined surfaces. Model BM5000 has two independently suspended “2500” magnets to lift large objects.

BM3600

This model is designed for plate lifting from 3 mm thickness and up. This magnet will lift a plate of 2400 x 1800 mm of 3 mm thick and even 6 x 3 meters when 25 mm thick. The optional “tip-off” feature allows it to drop excess plates in case multiple plates are picked up from a stack.

- Built in automatic cut-off charger prevents over-charging battery
- Visual and audible alarms indicate low battery level
- Bail sensor prevents magnet de-energization while lifting a load
- Magnet cannot be turned “ON” if battery charge is too low
- Lead acid, stationary, deep cycle battery

IR Remote Transmitter*

supplied with each BM — BMP Magnet



- Remote control units available at nominal cost
- Dual push button release
- Clip allows operator to attach to belt or pocket
- Single push button lift

* Standard with all BM, BMP Magnets

SPECIFICATIONS

Model No. Details	Flat material		Tested* break-away load		Length x width of base		Height up to crane hook		Weight		Battery Vdc/Amp hours	Discharge time at 50% duty hour
	lbs.	kg	lbs.	kg	in.	mm	in.	mm	lbs.	kg		
BM1350	3000	1350	6000	2700	10.7x9.53	272x242	18	460	132	60	12/30	8
BM2500	5500	2500	11000	5000	157.5x9.53	400x242	18	460	159	72	12/70	8
BM3600	8000	3600	16000	7200	41.3x9.4	1050x240	18	460	397	180	12/70	8
BM5000	11000	5000	22000	10000	47.2x11.8	1200x300	18	460	448	203	12/70	8

Batteries not included

* Performance rating on S235 JR/AISI 1020 steel

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.

BMP1800 & BMP3600 BI-POLAR SERIES

for Flat and Round Material Handling – 220V



These bi-polar lifting magnets, with V-shaped pole shoes, are designed to lift both flat and round material, as well as I and H beams, angles, channels, Tees and Zees. The maximum lift capacity is obtained on material with a thickness of 50 mm and above. Deep field penetration allows handling of material with irregular surfaces.

RECOMMENDED APPLICATIONS

- These battery powered lifting magnets are extremely useful throughout the plant, around shipyards, in shipping and receiving areas, on cut-off saws, burning tables and with machine tools. They have widespread applications for handling machined components, die-blocks, smooth castings and forgings, plates, bars, pipes and structurals.

SPECIFICATIONS

Model No. Details	Flat material		Round material		Tested* break-away load		Length x width of base		Height up to crane hook		Weight		Battery V/Ah	Discharge time at 50% duty h
	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm	lbs.	kg		
BMP1800	4000	1800	2500	1100	8000	3600	18.5x95.3	470x242	24	610	368	167	12/70	8
BMP3600	8000	3600	4800	2200	16000	7200	29.9x10.3	760x262	24	620	926	420	12/70	8

*Performance rating on S235 JR/AISI 1020 steel

PNEUMATIC OPERATED **BUX**® LIFTING MAGNET

For Flat and Round Material Handling



NEO-AIR 250

For Flat and Round Material Handling

- Air operated
- Ease of operation
- Compact and relatively lightweight
- Suitable for handling devices (robots, manipulators)

SPECIFICATIONS

Model No.	Nominal Lift Capacity*				Tested Break Away Force** daN	O min./max		Length		Width		Height		Weight			
	Flat material lbs.	kg	Round material lbs.	kg		in.	(mm)	in.	mm	in.	mm	in.	mm	lbs.	kg		
NEO-AIR 250	550	250	275	125	800	2.4	7.9	60	200	6	151	4	100	15	371	60	27

* Nominal lift capacity includes a safety factor of at least 3
Capacity varies with workpiece material, thickness and surface quality
** Tested on a ground, 50 mm thick, mild steel plate

NEO-HV

For Vertical Loading into Machining Centers and Lathes



Lift from Horizontal to Vertical Quickly and Efficiently

Walker NEO-HV material lifting magnets handle loading of flat, ferrous metal workpieces onto any machining center with horizontal spindle type lathes. They are used to load machining centers, boring machines and other chip-making operations.



Lifting Capacities (Based on flat AISI 1020 Steel)

	Rated Lift Cap.		Plate Width		Plate Length		Plate Thickness		Length		Weight	
	lbs	kg	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
NEO-HV 250	0 - 550	0 - 250	11.8 - 31.5	300 - 800	8 - 60	203 - 1524	0.25 - 5.9	6.4 - 150	38	965	60	27
NEO-HV 500	0 - 1,100	0 - 500	11.8 - 39.4	300 - 1000	12 - 72	305 - 1829	0.31 - 9.8	7.9 - 249	46	1168	86	39
NEO-HV 1000	0 - 2,200	0 - 1000	11.8 - 39.4	300 - 1000	12.5 - 79	318 - 2007	0.39 - 11.8	10 - 300	48	1219	158	72

CER SERIES

CIRCULAR ELECTRIC LIFT MAGNETS

For Flat Material Handling



A CER magnet 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.

STANDARD FEATURES

- Recessed "ON-OFF-RELEASE" switch is protected against accidental operation
- Low-carbon steel body for maximum magnetic performance
- Built-in solid state rectifier permits operation from 115 volt AC outlet

SPECIFICATIONS

Model No.	Power required at 115/1/60 supply (watts)		Net Wt.		Dia.		Height to Hook		Rated lift	
	lbs.	kg	in.	mm	in.	mm	lbs.	kg		
CER-5	92	22	10	5.12	130	9.8	248	0 - 600	0 - 300	
CER-7	135	41	19	6.75	172	11.3	286	0 - 1,200	0 - 600	
CER-9	208	90	41	9	229	11.8	299	0 - 2,400	0 - 1100	
CER-12	420	140	64	12	305	13.6	346	0 - 4,000	0 - 1800	
CER-16	495	340	154	16	406	14.5	368	0 - 7,250	0 - 3300	
CER-20	1050	575	261	20	508	15	381	0 - 10,500	0 - 4800	

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 for the CER-16 and CER-20.
- Remote Control with 10' cable is available as an accessory but must be specified with original order.

* 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.



WALKER MAGNETICS

Magnetic Solutions Since 1896

www.walkermagnet.com

Worcester, MA
(508) 853-3232
FAX (508) 852-8649
1-800-W-MAGNET
Email: sales@walkermagnet.com

Chino Hills, CA
(909) 597-4785
FAX (909) 597-0581
Email: egoyette@walkermagnet.com

Stoney Creek, Ontario Canada
(905) 643-3338
In Canada: 1-800-267-4678
FAX (905) 643-6111
Email: walkermagnet@look.ca

Walker National
Columbus, OH
(614) 492-1614
FAX (614) 492-1618
Email: columbus@walkermagnet.com

Walker Hagou Magnetics B.V.
Holland, The Netherlands
+31 (0)497 383835
FAX +31 (0)497 382006
Email: whm@walkermagnet.com

Walker Pilana Magnetics spol. s.r.o.
Czech Republic
+420 573 328 600
FAX + 420 573 351 035
Email: info@walkermagnet.cz

Walker Brailon Magnetics
Montmélian, France
+33 479 842145
FAX +33 479 841449
Email: info@brailon.com

WM 8/06-1



Printed on recycled paper with 50% recycled content including
15% Post Consumer Waste, and is acid and elemental chlorine free.