

Battery Powered Lifting Magnets

Intended Use:

The Battery magnet standard range is ideal for lifting and transportation of loads up to 5,000 kgs but battery magnets for loads of up to 10,000 kgs can be produced.

Features:

- Self-contained lifting magnet
- Handling of loads with poor accessibility (using remote control)
- Hand-held IR remote control unit allows operation from up to 10 meters
- NEW** Variable Force Feature – pre-setting of lower magnetic field intensity according to actual need. Allows for clamping of single sheet from a whole stack.
- Tip-Off Feature – steady decrease of magnetic force, using the innovative tip-off feature allows gradual release of single sheets from a manipulated bundle.
- BM3600 specifically designed for handling sheets
- UK agents for yearly LOLER compliant testing, service, spares and repair.
- UK Operator training also available



Unique Control Features:

New variable force feature and tip off feature allow for quick manipulation, enhanced speed parameters and higher accuracy. Communication with the operator is improved as the battery status can be viewed in offline mode, there is a flat battery indicator in the remote control and sophisticated audiovisual warnings

Applications:

Used throughout the plant and yard in receiving and shipping areas, cut-off saws, burning tables and machine tools.

Widespread applications for handling of machined components, die blocks, smooth castings and forgings, plates, bars, pipes and structurals

BMP series for Flat, Round and structurals.



Model	BM1350	BM2500	BM3600	BM5000
Workload Limit*				
Flat Material kg	1350	2500	3600	5000
Round Material kg	-	-	-	-
Length x Width of base	272 x 242	400 x 242	1050 x 240	1200 x 300
Height up to crane hook	460	460	460	460
Weight	60	72	180	203



Battery Powered BMP Lifting Magnets

Intended Use:

The BMP Battery magnet range is ideal for lifting and transportation of loads up to 3600kgs.

These so called 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 thickness of 50mm and above. Thanks to the good depth of field, these models cope very well with irregular surfaces.

Model		BMP1800	BMP3600
Workload limit*			
- Flat material	kg	1800	3600
- Round material	kg	1100	2200
Length x width of base	mm	470 x 242	760 x 262
Height up to crane hook	mm	610	620
Weight	kg	167	420

*Performance rating on ground, 50mm thick S235 JR/AISI 1020 steel plate



Flexforce

Beam with Battery Powered Electro Magnets

Features:

Self-Contained – can be used anywhere
 Economical Solution
 Integrated Control and Charger
 Wireless Remote Control Optional

Applications:

Plate and Profile Handling
 Universal Beams & Structural steel

Contact us for more details on this product.



Battery Magnet Lifting Chart

	Material thickness	Clean and smooth ground surface Air gap < 0.1 mm		Corroded and hot-rolled surface Air gap 0.1–0.3 mm		Irregular and rough surface Air gap 0.3-0.5 mm		Very rough surface Air gap > 0.5 mm
		Max. dimensions L×W (mm)	Weight limit (kg)	Max. dimensions L×W (mm)	Weight limit (kg)	Max. dimensions L×W (mm)	Weight limit (kg)	
BM 1350	≥38	2,130 x 2,130	1,360	1,900 x 1,900	1,160	1,700 x 1,700	900	Ask your supplier for advice
	25	2,130 x 2,130	950	1,830 x 1,830	890	1,830 x 1,520	770	
	19	2,130 x 2,130	660	1,830 x 1,830	580	1,830 x 1,520	500	
	13	2,130 x 2,130	370	1,830 x 1,830	340	1,520 x 1,520	290	
	10	1,830 x 1,520	180	1,520 x 1,520	160	1,520 x 1,520	150	
	6	1,220 x 1,220	90	1,220 x 1,220	86	1,220 x 1,220	80	
BM 2500	≥50	2,400 x 2,400	2,500	2,400 x 2,100	2,100	2,100 x 2,100	1,750	
	38	2,400 x 2,400	1,850	2,400 x 2,100	1,620	2,100 x 2,100	1,350	
	25	2,400 x 2,400	1,200	2,400 x 2,100	1,130	2,100 x 2,100	950	
	19	2,400 x 2,100	800	2,100 x 2,100	700	2,100 x 1,800	610	
	13	1,800 x 1,800	370	1,800 x 1,800	360	1,800 x 1,800	330	
	6	1,800 x 1,500	250	1,800 x 1,500	200	1,800 x 1,500	180	
BM 5000	≥50	3,600 x 3,300	5,000	3,300 x 3,300	4,200	3,000 x 2,700	3,500	
	38	3,300 x 3,300	3,700	3,300 x 3,000	3,240	3,000 x 2,700	2,700	
	25	3,300 x 3,300	2,400	3,300 x 3,000	2,260	3,000 x 2,700	1,900	
	19	3,000 x 2,700	1,600	3,000 x 2,700	1,400	2,700 x 2,700	1,220	
	13	2,700 x 2,400	740	2,700 x 2,400	720	2,400 x 2,400	660	
	6	2,100 x 2,100	500	2,100 x 2,100	400	2,100 x 2,100	360	
BM 3600	≥25	6,000 x 3,000	3,000	6,000 x 2,700	3,270	4,500 x 3,000	2,730	
	19	6,600 x 2,400	2,430	6,000 x 2,400	2,230	4,500 x 2,400	1,960	
	13	5,100 x 2,400	1,250	4,800 x 2,400	1,180	4,500 x 2,400	1,090	
	10	3,900 x 2,400	720	3,600 x 2,400	660	3,300 x 2,400	610	
	6	3,600 x 1,800	340	3,300 x 1,800	300	3,300 x 1,500	270	
	3	2,400 x 1,800	110	2,100 x 1,800	100	1,800 x 1,800	90	
BMP 1800	≥50	2,000 x 2,000	1,800	1,700 x 1,500	1,030	1,500 x 1,500	930	
	38	1,900 x 1,900	1,130	1,800 x 1,500	930	1,800 x 1,500	850	
	25	2,100 x 2,100	1,020	2,100 x 1,800	840	2,100 x 1,800	760	
	19	2,400 x 2,100	800	2,100 x 1,800	660	2,100 x 1,800	590	
	13	2,400 x 2,100	570	2,100 x 2,100	470	2,100 x 1,800	420	
	6	2,100 x 2,100	390	2,100 x 1,800	310	2,100 x 1,500	270	
BMP 3600	≥70	-	3,600	-	3,400	-	3,200	
	40	2,700 x 2,700	2,275	2,400 x 2,400	2,440	2,400 x 2,100	2,320	
	30	3,000 x 3,000	1,730	2,700 x 2,700	1,570	2,700 x 2,400	1,420	
	20	3,000 x 3,000	1,250	2,700 x 2,700	1,140	2,700 x 2,400	1,050	
	15	3,000 x 3,000	920	2,700 x 2,700	840	2,700 x 2,400	780	
	6	2,700 x 2,700	610	2,700 x 2,400	580	2,400 x 2,400	520	
		3,000 x 2,700	370	2,700 x 2,400	350	2,700 x 2,400	320	

	Load type	Diameter (mm) Weight limit (kg)		Max. Length (mm)		Max. Length (mm)
		BMP 1800	BMP 3600	BMP 1800	BMP 3600	
BMP 1800 / BMP 3600		∅ 40 to ∅ 440	∅ 45 – ∅ 500	1,130	2,260	6,000