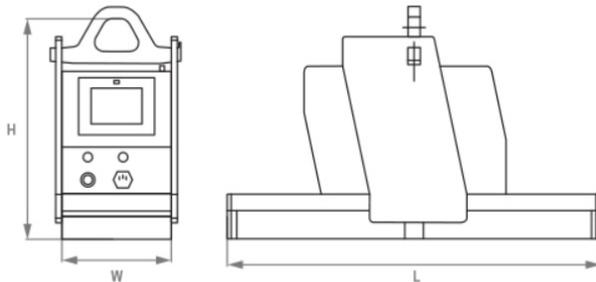




Magnetic Products, Inc.
Highland, Michigan | mpimagnet.com

Battery Lifting Magnet



The BM is a newly designed lifting magnet which is battery powered alternative to using permanent magnets. This new technology is becoming a popular solution for customer to safely lift ferrous metal workpieces. Power is provided by a 12V built-in battery allowing up to eight hours of operating time at 50% duty cycle and also included is a remote control allowing safe operation up to 33' away. There is a safety switch under the lifting eye to prevent switching off during lifting. It is not possible to activate the magnet once the battery voltage drops below the safety level. Additionally, low battery is indicated by visual and audible alarms.

- 1 Safety Display Indicator:**
 - Compact LED display with battery status indicator provides audio and visual warning of low battery level
 - Magnet will not activate once the battery voltage drops below the safety level lifting
 - 2:1 Safety Factor
 - 2 Universal Steel Lifting Eye:**
 - Large steel lifting eye with safety bail sensor makes it impossible to disengage magnet during lifting
 - 3 Adjustable/Controllable Force Function:**
 - Variable Force adjusts holding force when handling a particular quantity of sheet-metals from a stack
 - Tip-Off for gradual slackening portion of the load, e.g. thin sheet metal products such as sheeting
 - 4 Simple Operation:**
 - Powered by built-in 12V battery
 - Battery charger, battery and remote included
 - 5 Additional Remote Control Manipulation:**
 - IR remote controller operates from up to 33' to handle loads with poor accessibility to stay clear of dangerous situations
- European Quality:**
- Manufactured in Europe to the highest quality standards
 - One year warranty
 - Meets all the requirements of ANSI/ASME B30.20 (safety standard)

Application: Lifting

Technology: Battery-powered

Battery: 12V

Battery life: 8 hours at 50% cycle

Nominal lifting capacity for flat material: up to 5,000 kg/11,023 lbs

Temperature max: 50°C/122°F

Safety factor: 2:1

Part Number	Workload Limit Flat Materials (LBS)	Tested Lifting Capacity (LBS)	W x L of base (IN)	Height up to crane hook (IN)	WEIGHT (LBS)	Built in battery	Type of Battery
BM2976	2,976	5,952	9.5 x 10.7	18.1	132	12V/35Ah	FG12-35D
BM5511	5,511	11,022	9.5 x 15.7	18.1	159	12V/75Ah	FG12-75D
BM7936	7,936	15,872	9.4 x 41.3	18.1	397	12V/75Ah	FG12-75D
BM11023	11,023	22,046	10.3 x 47.2	18.1	448	12V/75Ah	FG12-75D

Specifications subject to change • F.O.B. Highland, MI • Ships by truck



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WORKLOAD LIMIT FOR PLATES (AISI 1020 STEEL)*

	Material Thickness (IN)	Clean and Smooth Ground Surface Air Gap <0.00394 IN		Rusty and Hot Rolled Surface Air Gap 0.00394 - 0.0118 IN		Irregular and Rough Surface Air Gap 0.0118 - 0.0196 IN		Very Rough Surface Air Gap >0.0196 IN
		Max. Dimensions LxW (IN)	Weight Limits (LBS)	Max. Dimensions LxW (IN)	Weight Limits (LBS)	Max. Dimensions LxW (IN)	Weight Limits (LBS)	
BM-2976	≥1.49	84 x 84	2976	74 x 74	2557	66 x 66	1984	Consult your supplier
	.984	84 x 84	2094	72 x 72	1962	72 x 72	1697	
	.748	84 x 84	1455	72 x 72	1278	72 x 72	1102	
	.511	84 x 84	815	72 x 72	749	59 x 59	573	
	.393	72 x 60	396	59 x 59	352	59 x 59	330	
	.236	48 x 48	198	48 x 48	189	48 x 48	176	
BM-5511	≥1.96	94 x 94	5511	94 x 82	4629	82 x 82	3858	
	1.49	94 x 94	4078	94 x 82	3571	82 x 82	2976	
	.984	94 x 94	2645	94 x 82	2491	82 x 82	2094	
	.748	94 x 82	1763	82 x 82	1543	82 x 70	1345	
	.511	70 x 70	815	70 x 70	793	70 x 70	727	
	.393	70 x 59	551	70 x 59	440	70 x 59	396	
.236	59 x 47	242	59 x 47	220	59 x 47	198		
BM-7936	≥.984	236 x 118	7936	236 x 106	7209	177 x 118	6018	
	.748	260 x 94	5357	236 x 94	4916	177 x 94	4321	
	.511	201 x 94	2755	188 x 94	2601	177 x 94	2403	
	.393	153 x 94	1587	141 x 94	1455	129 x 94	1344	
	.236	141 x 71	749	129 x 70	661	129 x 59	595	
	.118	94 x 71	242	82 x 70	220	70 x 70	198	
BM-11023	≥1.96	141 x 130	11023	130 x 130	9259	118 x 106	7716	
	1.49	130 x 130	8157	129 x 118	7142	118 x 106	5952	
	.984	130 x 130	5291	129 x 118	4982	118 x 106	4188	
	.748	118 x 106	3527	118 x 106	3086	106 x 106	2689	
	.511	106 x 94	1631	106 x 94	1587	94 x 94	1455	
	.393	82 x 82	1102	82 x 82	881	82 x 82	793	
	.236	70 x 70	485	70 x 70	440	70 x 70	396	