Great Magtech (Xiamen) Electric Co., Ltd

Magwork

Since 2015

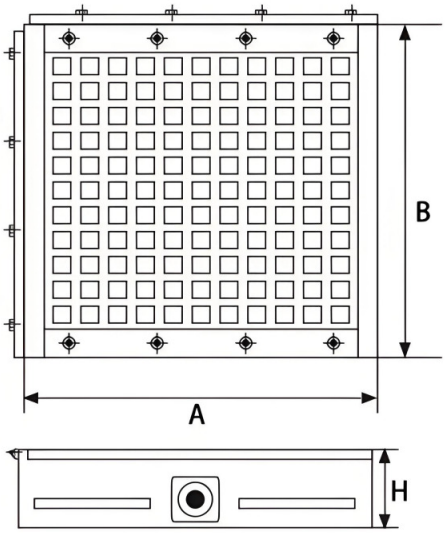
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Super Permanent Magnetic Chuck





Features:

1. The magnetic force is generated by high-performance materials, with no time limit, no energy consumption, no heat generation, environmental protection and safety, and simple and practical operation.

2. Super strong suction force and magnetic force can be superimposed and increased according to the increase of the contact area of the workpiece and can be used for powerful milling and drilling.

3. The super strong permanent suction cup panel is rigid and stable and does not heat up and produce deformation during use, allowing for precision machining.

4. A simple mechanical switch, with no power supply, is required, avoiding the risk of the workpiece falling off due to the sudden loss of power and the disappearance of the magnetic force.

5. Easy and quick change of clamping workpiece, shortening the workpiece clamping and adjustment time, realizing five-sided machining and significantly increasing the working efficiency by 80%.

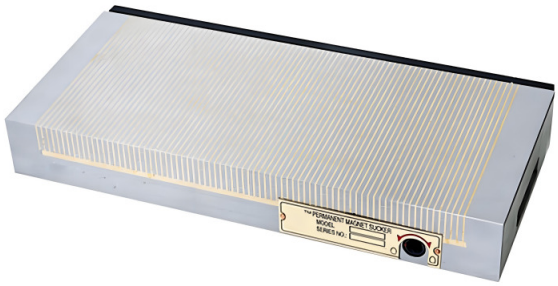
Application:

It is suitable for metal cutting processing and is commonly used in CNC machining centers, CNC carving, and milling machines, grinding machines, and other mechanical processing equipment.

Specification:

Type	Model	Size(mm)			Magnetic Block	Magnetic Force Block (kgf)	Total Suction(kgf)
		A	B	H			
12X12	GME-PMSC-1530C	150	300	55	116	15	1740
	GME-PMSC-1540C	150	400	55	184		2760
	GME-PMSC-2040C	200	400	65	207		3105
18x18	GME-PMSC-2025B	200	256	50	56	25	1400
	GME-PMSC-2525A	253	252	90	90		2250
	GME-PMSC-2040A	200	400	80	136		3400
	GME-PMSC-3030A	300	300	90	132		3300
	GME-PMSC-3040A	300	400	90	176		4400
	GME-PMSC-3040B	293	376	60	132		3300
	GME-PMSC-30100A	300	1000	90	352		8800
	GME-PMSC-3060A	300	600	90	275		6875
	GME-PMSC-3535A	350	350	90	182		4550
	GME-PMSC-4040A	400	400	90	240		6000
	GME-PMSC-4050A	400	500	90	300		7500
	GME-PMSC-4060A	400	600	90	375		9375
	GME-PMSC-4080A	400	800	90	480		12000
	GME-PMSC-5050	500	500	110	400		10000
	GME-PMSC-5060	500	600	110	500		12500
	GME-PMSC-5080	500	800	110	640		16000
	GME-PMSC-50100	500	1000	110	800		20000
	GME-PMSC-6060	600	600	110	600		15000
	GME-PMSC-6080	600	800	110	768		19200
	GME-PMSC-60100	600	1000	110	960		24000

Standard Pole Permanent Magnetic Chuck



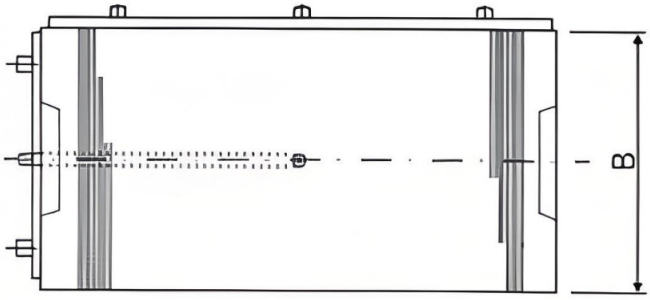
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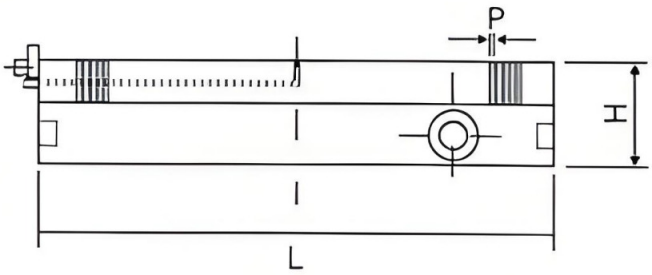
Strong magnetic force and less remaining magnetism. Coolant and waterproof structure.

Parallelism, flatness, and squareness 0.005mm/100mm.

Suitable:

Suitable for grinding and EDM application. Best for medium size workpieces.

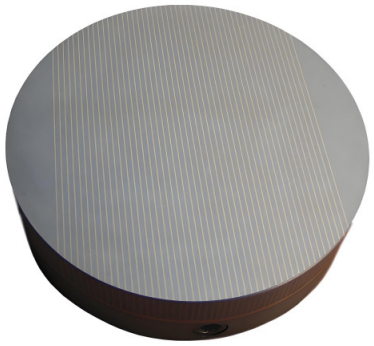




Specification:

Model	L(mm)	B(mm)	H(mm)	T(mm)	P=P1+P2	Net(kgs)
GME-PMC S-1010	100	100	45	18	2+4	3.6
GME-PMC S-7016	160	70	45	18	2+4	4
GME-PMC S-1515	150	150	48	20	2+4	8
GME-PMC S-1520	200	150	48	20	2+4	11
GME-PMC S-1525	250	150	48	20	2+4	13.6
GME-PMC S-1530	300	150	48	20	2+4	16.8
GME-PMC S-1535	350	150	48	20	2+4	19.6
GME-PMC S-1540	400	150	53	20	2+4	23.8
GME-PMC S-1545	450	150	53	20	2+4	26.5
GME-PMC S-2020	200	200	48	22	2+4	15
GME-PMC S-2025	250	200	48	22	2+4	18.5
GME-PMC S-2035	350	200	53	22	2+4	28.5
GME-PMC S-2040	400	200	53	22	2+4	31.8
GME-PMC S-2045	450	200	53	22	2+4	39.5
GME-PMC S-2550	500	250	58	23	2+4	53.5
GME-PMC S-3060	600	300	58	23	2+4	77

Micro Pole Round Permanent Magnetic Chuck

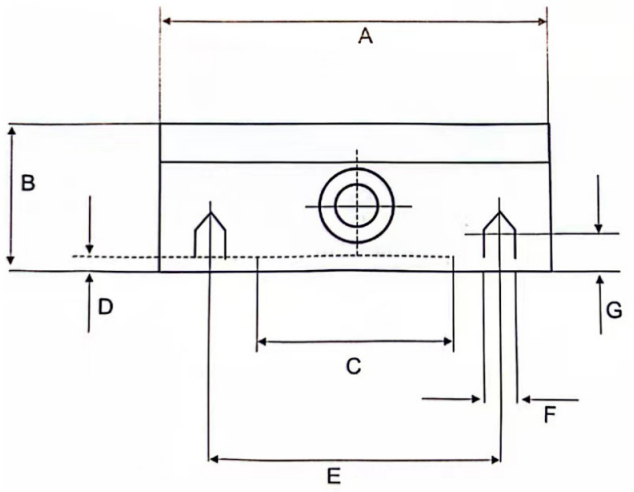


Feature:

Permanent magnetic chucks consist of Ndfeb magnets for maximum work-holding and easy release. Normally the units are made up of brass and steel top plates. A concentric ring gives maximum resistance to coolant and accuracy in centering the workpieces on the chuck. The chucks also consist of removable handles. Circular magnetic chucks are available in both standard poles and fine configurations.

Suitable:

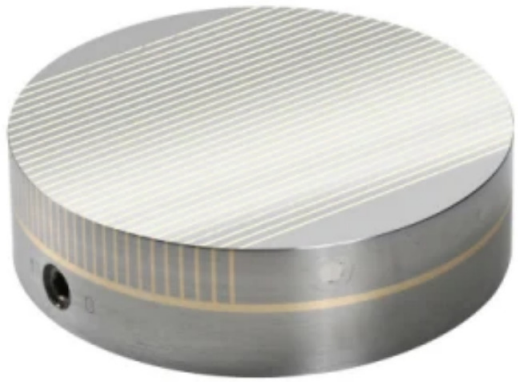
Best for small, medium, and thinner workpieces.



Specification:

Model	Dimension(mm)							Weight(kg)
	A	B	C	E	D	F	G	
GME-RMC M-100	100	43	65	85	2	3xM8	14	2
GME-RMC M-130	130	43	100	115	2	3xM8	14	4.5
GME-RMC M-160	160	43	125	140	2	4xM8	14	6.5
GME-RMC M-200	200	43	160	180	2	4xM8	14	10
GME-RMC M-250	250	43	200	224	2	4xM10	14	15
GME-RMC M-300	300	45	230	260	3	4xM10	14	25
GME-RMC M-320	320	45	230	260	3	4xM10	14	32
GME-RMC M-350	350	51	300	330	4	4xM10	16	43
GME-RMC M-400	400	51	300	350	4	6xM10	16	52

Fine Pole Round Permanet Magnetic Chuck



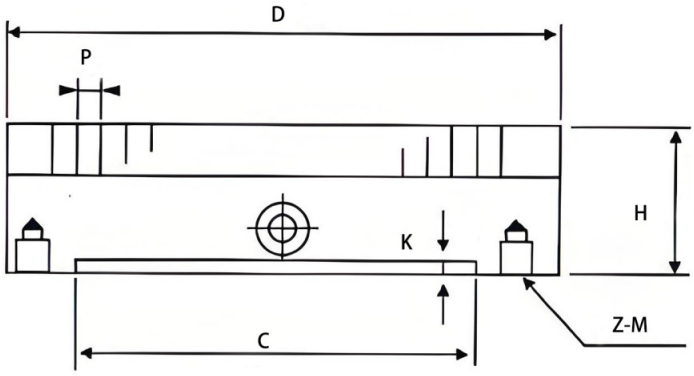
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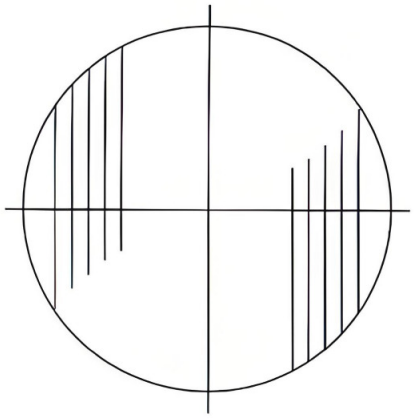
1. Permanent magnetic chuck with Neodymium magnets, strong magnetic force, and less remaining magnetism.

2. Pole pitch 4mm.

Suitable:

Clamping of small and thin to medium-sized workpieces.

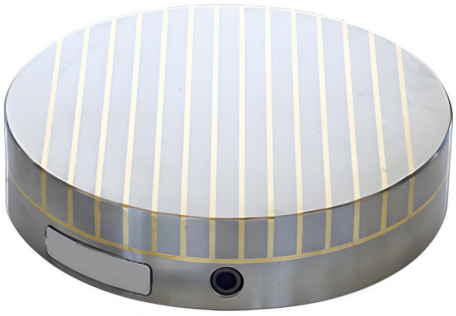


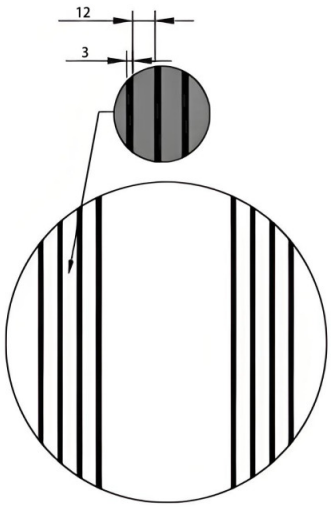


Specification:

Model	Dimension(mm)							Weight(kg)
	D	H	K	C	Z	M	P	
GME-RMC F-125	125	48	3	80	4	M6	0.5+1.5	4.6
GME-RMC F-150	150	48	3	100	4	M6	0.5+1.5	6.6
GME-RMC F-160	160	48	3	100	4	M8	0.5+1.5	8.9
GME-RMC F-200	200	52	4	120	4	M8	0.5+1.5	12.8
GME-RMC F-250	250	52	4	160	4	M8	0.5+1.5	20
GME-RMC F-300	300	58	4	220	4	M8	0.5+1.5	32
GME-RMC F-400	400	58	4	300	4	M10	0.5+1.5	57
GME-RMC F-500	500	65	5	408	4	M12	0.5+1.5	100
GME-RMC F-600	600	65	5	528	4	M12	0.5+1.5	144

Powerful Round Permanent Magnetic Chuck





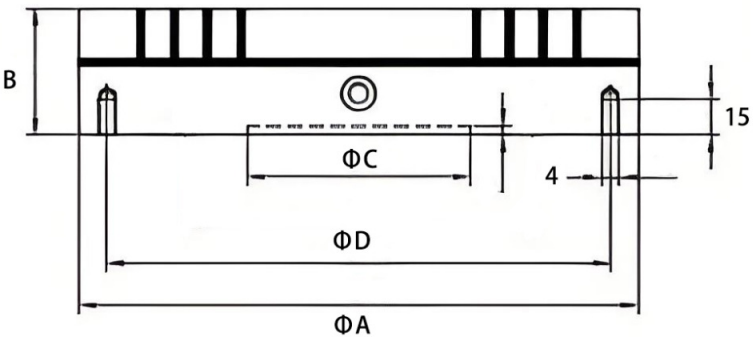
Feature:

1. Extremely high holding force combined with slim construction.

2. The complete, wide (steel/brass) pole distribution ensures a consistently high holding force across the entire width all the way to the longitudinal edges. These clamping plates can be activated via a hexagonal switch.

Suitable:

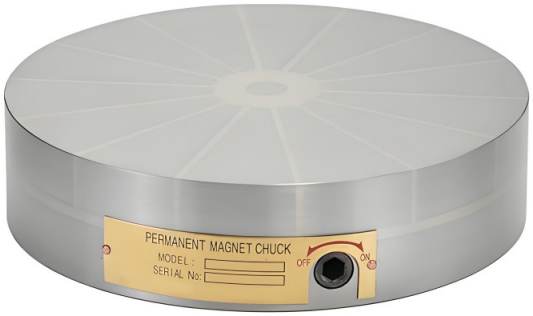
Permanent magnetic chuck is suitable for heavy clamp lifting. It can be used for milling, turning, and grinding. Significant holding force is still achieved on uneven and rough surfaces. They allow universal clamping of small, medium, and large workpieces of any thickness, however, they are best suited for thick and large workpieces.

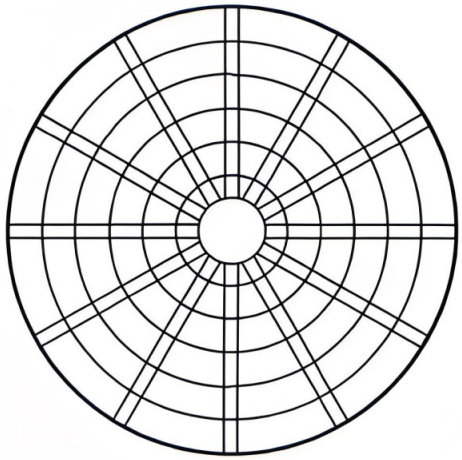


Specification:

Model	Dimension(mm)						Gross Weight(kg)
	A	B	C	D	E	Pole Pitch	
GME-RMC P-100	100	56	70	91	3xM5	12+3	4.5
GME-RMC P-130	130	56	90	120	4xM6	12+3	7
GME-RMC P-160	160	56	125	142	4xM8	12+3	10
GME-RMC P-200	200	56	150	182	4xM8	12+3	15
GME-RMC P-250	250	56	200	232	4xM8	12+3	25
GME-RMC P-300	300	56	250	285	4xM8	12+3	35
GME-RMC P-350	350	56	300	334	4xM8	12+3	51
GME-RMC P-400	400	61	300	350	6xM10	12+3	68
GME-RMC P-450	450	61	350	400	6xM10	12+3	82
GME-RMC P-500	500	61	400	450	6xM10	12+3	101

Radial Pole Round Permanent Magnetic Chuck





Feature:

1. Permanent magnetic chuck with neodymium magnets, strong magnetic force and low residual magnetism.

2. Nominal holding force: 180N/cm².

3. Concentric grooves simplify centering of workpieces.

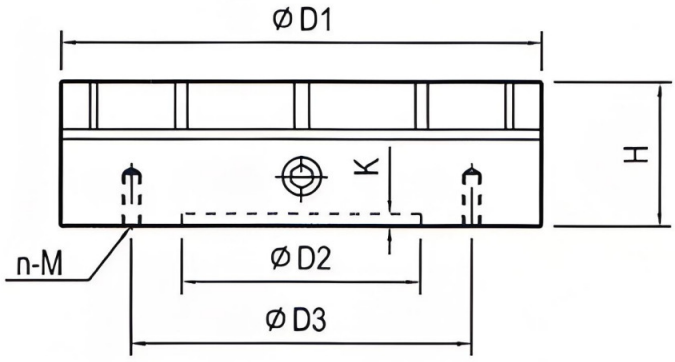
4. Symmetrical design allows high-speed rotation.

5. Center through hole for workpiece centering and coolant supply available on request.

6. T-slots on the top plate available on request for adjustable rod extension to fix bearing rings during turning or grinding of inner and outer rings.

Suitable:

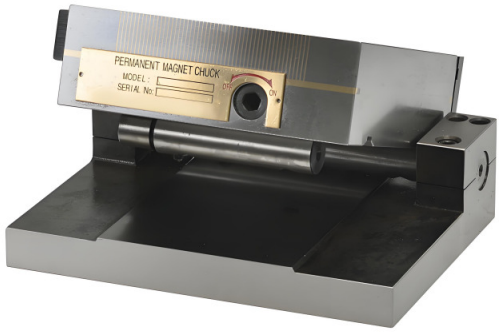
Grinding and turning of annular workpieces.



Specification:

Model	D1(mm)	H(mm)	D2(mm)	D3(mm)	n(mm)	M	k(mm)	Weight(Kgs)
GME-RMC R-130	130	60	50	100	4	M6	4	6
GME-RMC R-150	150	60	90	115	4	M8	4	8
GME-RMC R-160	160	60	120	140	4	M8	4	10
GME-RMC R-200	200	60	160	180	4	M8	4	14
GME-RMC R-250	250	60	200	235	4	M10	4	23
GME-RMC R-300	300	80	250	270	7	M12	4	43
GME-RMC R-350	350	80	250	280	6	M12	4	59
GME-RMC R-400	400	80	200	360/340	12	M10	6	78
GME-RMC R-500	500	95	200	300/400	12	M10	8	148
GME-RMC R-600	600	95	250	350/450	12	M10	8	210

Single Sine Permanent Magnetic Chuck



Feature:

1. The base is made of high-carbon mold steel and quenched, with a hardness of HRC52°.

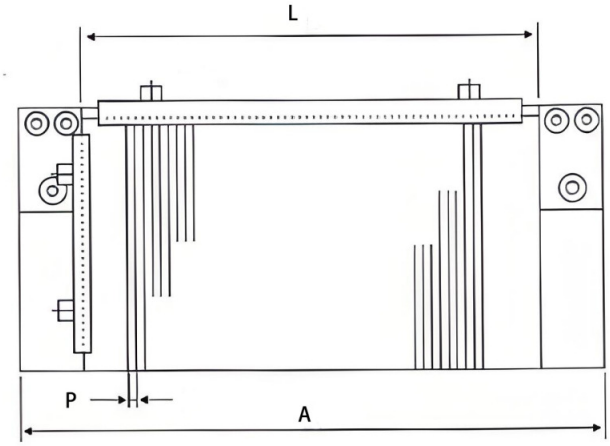
2. The parallelism of the suction cup is within 0.005mm/100mm.

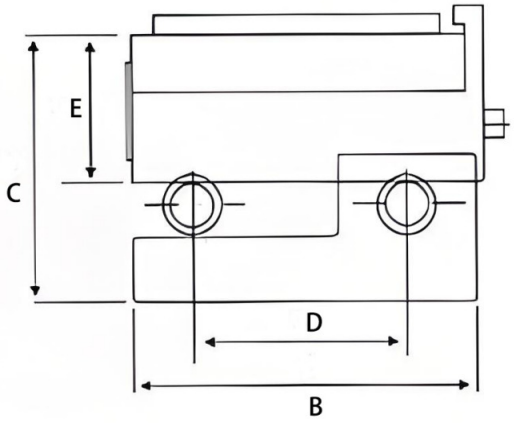
3. The center accuracy of the two pads is within 0.005mm.

4. The adjustable angle range is 0-60° .

Suitable:

Suitable for high grinding EDM for angle process.





Specification:

Model	Dimensions(mm)							Operating Angle	Weight(kgs)
	L	B	C	D	E	A	Pole Pitch		
GME-MCS-10175	175	100	86	75	48	225	0.5+1.5 or 1+3	0°-60°	11.5
GME-MCS-1515	150	150	86	100	48	200	0.5+1.5 or 1+3	0°-60°	15
GME-MCS-1530	300	150	86	100	48	350	0.5+1.5 or 1+3	0°-60°	32
GME-MCS-12525	250	125	86	75	48	300	0.5+1.5 or 1+3	0°-60°	19.5

Double Sine Permanent Magnetic Chuck



Feature:

1. The dip sine permanent magnetic chuck can be tilted in the X.Y direction, and can also grind the formed workpiece from two directions at one time.

2. The base is made of high-carbon mold steel and quenched, with a hardness of HRC52°.

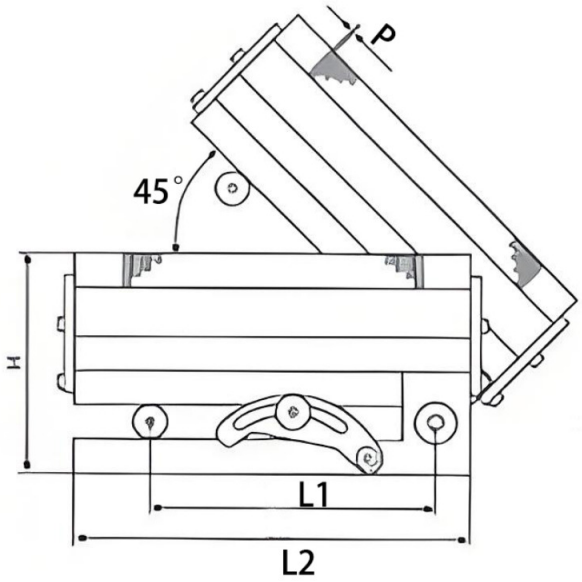
3. The parallelism of the suction cup is within 0.005mm/100mm.

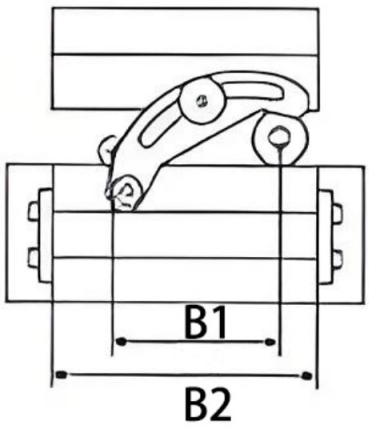
4. The center accuracy of the two pads is within 0.005mm.

5. The adjustable angle range is 0-45°.

Suitable:

Suitable for high-precision angle grinding processing at the front and back or left and right angles.





Specification:

Model	Dimensions(mm)						Operating Angle	Net(kgs)
	L1	L2	H	B1	B2	Pole Extension		
GME-MCC-10175	100	225	110	75	100	0.5+1.5 or 1+3	0°-60°	12.6
GME-MCC-1515	100	200	115	100	150	0.5+1.5 or 1+3	0°-60°	17
GME-MCC-1530	150	300	115	100	150	0.5+1.5 or 1+3	0°-60°	34.5
GME-MCC-12525	150	250	115	100	125	0.5+1.5 or 1+3	0°-60°	23

Permanent Magnetic Lifter



Feature:

The permanent magnetic lifter is composed of Ndfeb permanent magnetic material with a high-performance ferromagnetic system. The handle's movement changes the magnetic force of the ferromagnetic system to achieve adsorption and release to the workpiece. There is a steel ring on top of the magnetic lifter for hoisting objects and a v-shaped groove at the bottom for holding corresponding cylindrical objects. The force magnet guarantees the indefinite high degree of concentration also the stable strength. The safeload coefficient is 3.5 times, even if the is hung between the work piece and the lifter has a bigger air gap, also guarantees the best active status.

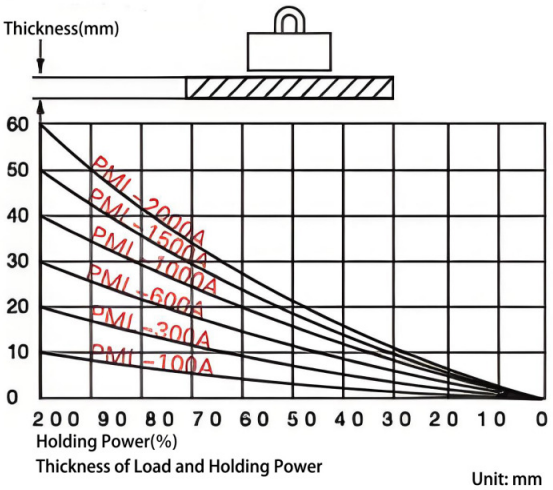
Suitable:

It is mainly used in the hoisting process with the hoisting work piece connection, to move the steel plate and other magnetic induction work piece. Safe and reliable operation, the compact lightweight is widely applied in factories, wharves, warehouses, and transportation. The improvement of loading and unloading transporting work working conditions enhances the working efficiency.



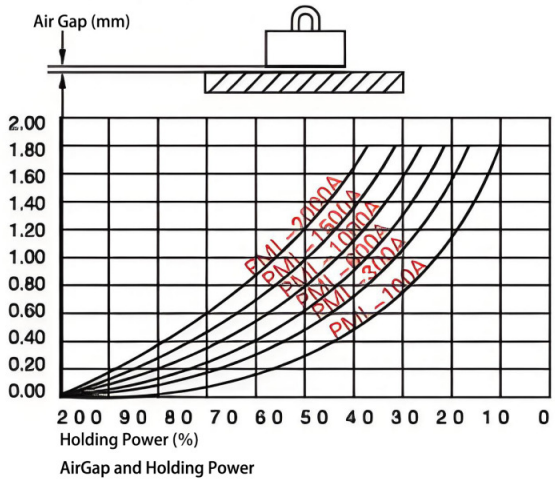




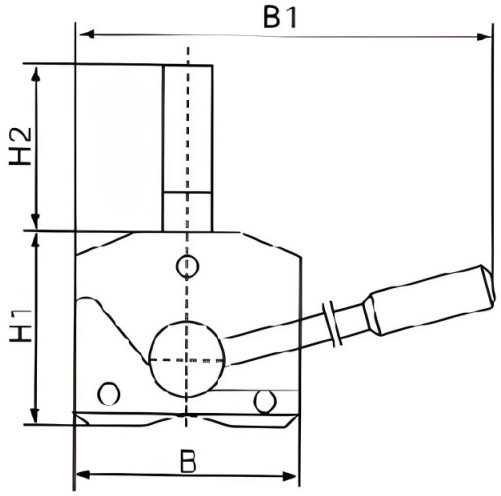


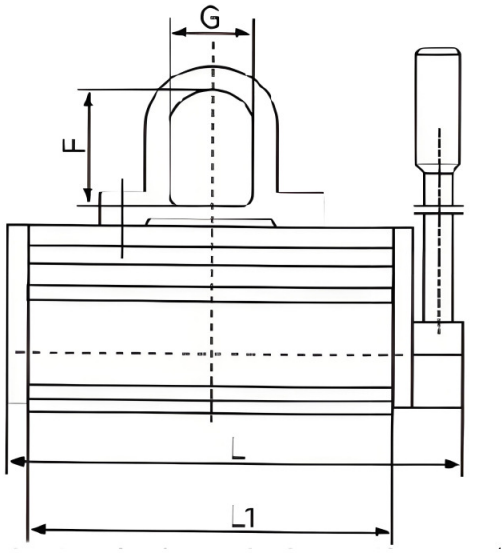
Thickness of Load and Holding Power

Unit: mm



AirGap and Holding Power





Specification:

Model	L	L1	B	H1	H2	B1	F	G	Weight(kg)
GME-PML-100A	135	110	60	65	46	150	32	32	3.5
GME-PML-300A	203	165	87	89	68	223	45	38	10
GME-PML-600A	266	226	112	109	86	287	58	45	21
GME-PML-1000A	330	290	148	125	95	364	60	52	40
GME-PML-1500A	385	330	178	145	118	447	70	65	65
GME-PML-2000A	470	420	178	145	118	487	70	65	83

Materials Shape	Steel Plate				Cicular Steel Products		
Model	Max Hangs The Lifting Capacity(kgs)	Min Thickness (mm)	Max Length (km)	Max Hangs The Lifting Capacity(kgs)	Max Diameter (mm)	Max Length (mm)	Min Thickness (mm)
GME-PML-100A	100	10	1000	50	100	1000	10
GME-PML-300A	300	20	1500	150	300	1500	12
GME-PML-600A	600	30	2000	300	400	2000	20
GME-PML-1000A	1000	40	3000	500	450	3000	28
GME-PML-1500A	1500	50	3000	750	500	3000	34
GME-PML-2000A	2000	60	3000	1000	600	3000	40