

Manual Permanent Magnetic Chuck

Manual permanent magnetic chuck is a kind of new product of magnetic chuck, Adopt brand new workmanship. There are two types of the permanent magnetic chuck, general type (GX series) is applied to grinding machine and facing machine, strong type (SX series) is applied to and milling machine and CNC, Holding force is 10-15 kg/cm². It is suitable for machining high precision workpiece, sheet workpiece and mould.

Rectangle Chuck

Multi-pole magnetic plates have high magnetic properties. Weike multi-pole magnetic plate are intended for installation and fixing components made of ferromagnetic materials on machine tools. Plates are made of neodymium magnet whose main advantage compared with other magnetic materials are high magnetic properties with substantially smaller dimensions and weight. During operation, the force of the magnetic field remains unchanged, thus maintaining high precision grinding. Due to the small pole distance can be processed very small and fine details. Plates magnetic compared with electromagnetic plates have the following advantages:

- Do not require a connection to energy sources;
- Provide absolute reliability and safety of operation;
- Retain the basic specifications for the entire service life. Cross-location advantages;
- A layer thickness of 1.5 mm and 3 - steel; 1 and 0.5 mm - brass;
- Ideal for very small parts due to small pole distance;



- Have holes for attaching eye bolts;
- Eyebolts for transportation included;
- With pole distance of 1.5 ± 0.5 (marking PMM) - Distance from the pole 3 + 1 (marking PMM3)

Round Chuck

It is widely used for surface grinding machine and linear cutting machine. It also has fine pole and strong type, magnetic force distributes evenly. It performs well on thin and tiny work piece machining without remnant magnetism. The precision of working table doesn't change in magnetizing or demagnetizing. There is no leakage in panel which is specially treated; it prevents corrosion from cutting liquid, increase chuck service life.

Pole pitch 0.5+1.5 mm or 1+3mm for optional. Max uniform clamping force reach to 120N/cm². Best for small and thin workpiece. Low height and light weight. High precision and low remaining magnetism.



FEATURES

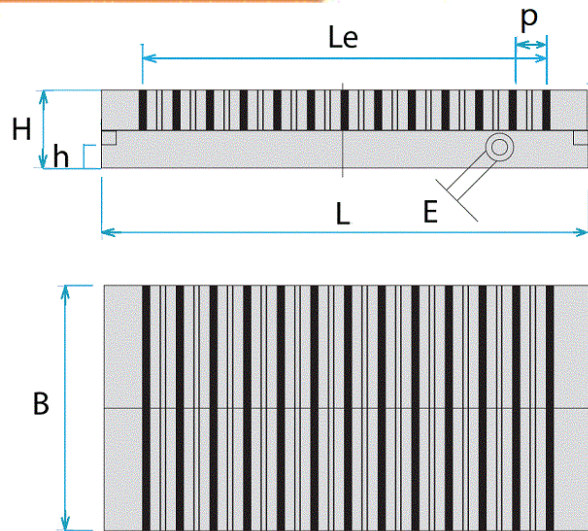
1 The magnetic chuck has high precision itself; it can guarantee the precision of workpiece from 2um/100mm. As it doesn't need electricity, the workpiece won't move in no power supply condition. And won't generate heat even for long time using.

2 Distinctive design of magnetic circuit produces super strong and even attraction; high-performance quality magnetic steel holds attraction for long time stability.

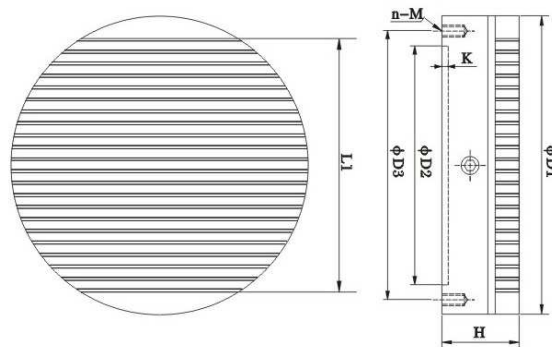
3 Strong attraction come from parallel poles combination, dense distribution of magnetic poles emerges intensive magnetic field. It releases the inner stress of workpieces to improve precision in processing simultaneously.

4 Poles combined as matrix, magnetic bundles are mutually perpendicular, interweave densely, permeate into the bottom of workpiece equality, magnetic bundles are shallow and magnetic circuit densely, it can attract more than 2mm thickness sheet for grinding or milling operation.

MODELS AND SPECIFICATION



Model	Length mm		Width B mm	Height mm		Holding Force	Handle Hole E	Pole Pitch P mm	Weight kg
	L	Le		H	h				
GX0716	160	140	70	45	15	10 kg/cm ²	8 mm	0.5+1.5 Or 1+3 optional	4
GX1515	150	130	150	48	16				8
GX1530	300	280	150	48	16				15
GX1535	350	330	150	48	16				19.6
GX1540	400	380	150	53	17				23.8
GX1545	450	430	150	53	17				26.5
GX2020	200	180	200	48	16				31.8
GX2040	400	380	200	53	17				39.5
GX2045	450	430	200	53	17				53.5
GX2550	500	480	250	58	18				77
GX3060	600	580	300	58	18				50
SX3030	300	280	300	60	20				15 kg/cm ²
SX3040	400	380	300	60	20	85			
SX4040	400	380	400	70	23	100			
SX4050	500	480	400	70	23				





Model	Diameter D1	Height H	L1	D2	D3	n	M	k	Weight kg
RX130	130	50	100	90	115	4	8	4	5
RX160	160	50	129	120	140	4	10	4	8
RX200	200	52	169	160	180	4	10	4	12
RX250	250	52	213	200	230	4	10	4	19
RX300	300	54	265	250	280	4	12	4	28
RX400	400	58	360	320	360	6	12	4	57
RX600	600	62	553	500	540	6	12	5	137



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Technical Changes

The data and illustrations in this catalogue are not binding and only provide an approximate description. We reserve the right to make changes to the product delivered compared with the data and illustrations in this catalogue, e.g. in respect of technical data, design, fittings, material and external appearance.

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