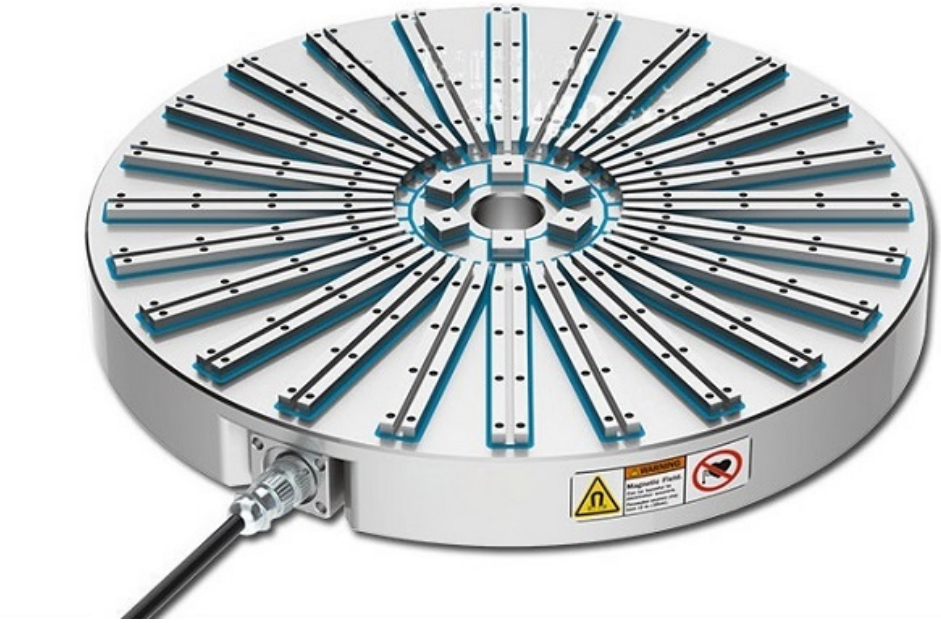
MAGNETIC TURNING CHUCK FOR LATHE

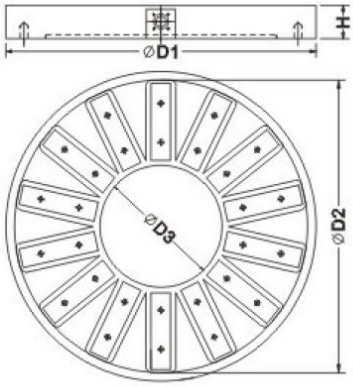


Round Electro Permanent Magnetic Chuck

This chuck is used for vertical lathe, CNC five-axis precision indexing device, CNC five-axis integrated cutting machine tools, etc. The use of circular radioactive magnetic pole structure, suitable for turning and grinding of circular workpiece. The workpiece contact all the magnetic pole at same time, so the workpiece is fixed in the chuck by a strong holding force. This series of round electro-permanent magnetic chuck adopts the design of multiple magnetic circuits, 1-4s (de)magnetization (depending on the size of the chuck), magnetic force is adjustable, no need to continue to power after magnetization.

Features

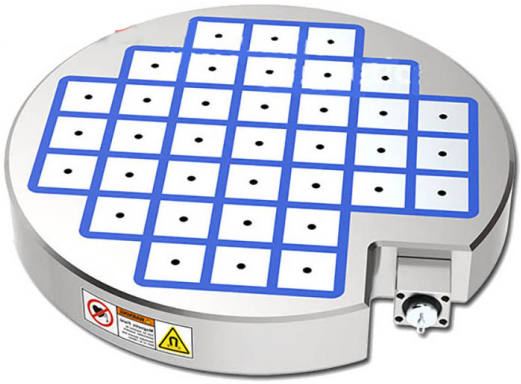
- Easy and fast to clamp a workpiece, shorten the workpiece clamping time, 2 seconds of magnetization and demagnetization.
- Due to the radial distribution of the magnetic poles. The workpiece is fully attracted, reduce the internal stress caused by binder plate.
- Additional groove design, can support additional secure fixing points and multiple clamping ways
- Through the quick connector to remove the connection cable , The chuck can be free to rotate (also available conductive slip ring mechanism, no need to plug the connector).



Model	Overall Size mm				Weight	Pole
	D1	D2	D3	H	kg	Number
DYZ-600R	635	600	250	80	168	14
DYZ-800R	835	800	250	80	320	14
DYZ-1000R	1035	1000	250	80	520	14/28
DYZ-1200R	1285	1250	250	80	832	14/28
DYZ-1300R	1300	1300	350	80	864	18/36

Grid Pole Round Electro Permanent Magnet

Grid pole round electro permanent magnet has the same grid holes of DYZ series electro permanent magnetic chuck. The pole size is 50x50mm and the holding force can reach to 180N/cm² . 1 second magnetization/demagnetization, fast to operate. Strong holding force with magnetic padding block can realize 5-sides machining.



This round electro permanent magnet is widely used in a variety of rotary working platform of machine tools, such as CNC five-axis machining center, horizontal lathe and big boring machine, horizontal turning-machining center, deep hole drilling, rotary milling machine, etc

Model	Diameter	Pole Number	Weight	Thickness	Pole Size
DYRG-400	430mm	22	65kg	68mm	50x50mm
DYRG-500	500mm	32	97kg	68mm	
DYRG-600	620mm	52	150kg	68mm	
DYRG-700	700mm	76	191kg	68mm	
DYRG-800	820mm	96	262kg	70mm	

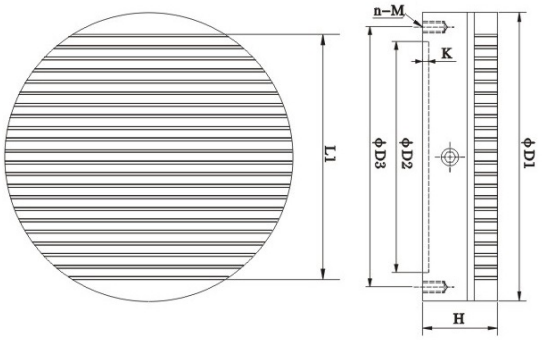
DYRG-900	910mm	120	362kg	70mm	

Parallel Pole Permanent Magnetic Chuck

This chuck is used for surface grinding machine and linear cutting machine. Its 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 surface which is specially treated; it prevents corrosion from cutting liquid, increase chuck service life.

It also has grinding type and strong type. The pole pitch of strong type is 3+12mm, its holding force reaches to 150N/cm² . this type is mostly used for linear cutting machines.

The grinding type can be mounted in rotary grinding machine or the similar equipments. Low height and light weight. High precision and low remaining magnetism. 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.

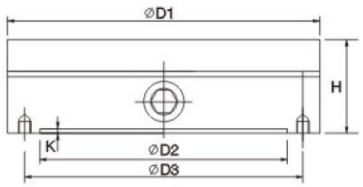


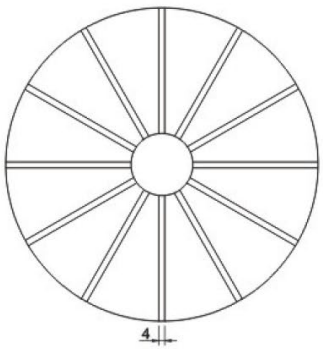
Model	Diameter D1 mm	Height H mm	L1 mm	D2 mm	D3 mm	n	M	K mm	Weight kg
RX130P	130	50	100	90	115	4	8	4	5
RX160P	160	50	129	120	140	4	10	4	8
RX200P	200	52	169	160	180	4	10	4	12
RX250P	250	52	213	200	230	4	10	4	19
RX300P	300	54	265	250	280	4	12	4	28
RX400P	400	58	360	320	360	6	12	4	57
RX600P	600	62	553	500	540	6	12	5	137

Radial Pole Permanent Magnetic Table

The maximum holding force of the table can reach to 130N/cm² , It is usually used ring-shape grinding process in small vertical surface grinder, circular grinder, internal grinder, and light turning process for lathe. Symmetrical and balanced design of the radial poles maintains high precision with low variation of the permanent magnetic table.

The magnetic table can be used for drilling center through holes, centering and cooling liquid supplying. The magnetic padding can also be mounted on the table to increase the working height for internal and external cylindrical grinding.





Model	Diameter D1 mm	Height H mm	D2 mm	D3 mm	n	M	K mm	Weight kg
RX160R	160	60	120	140	4	8	4	10
RX200R	200	60	160	180	4	8	4	14
RX250R	250	60	200	235	4	10	4	23
RX300R	300	80	250	270	7	12	4	43
RX320R	320	80	250	270	6	12	4	50
RX350R	350	80	250	280	6	12	4	59
RX400R	400	80	200	260	12	10	6	78
RX500R	500	95	200	300	12	10	8	146
RX600R	600	95	250	350	12	10	8	210

Weike Precision Machinery Co., Ltd
Cao'e Economic Zone, Shangyu, Zhejiang, China
Tel:86-575-82566722 Mobile +86-13867501690
info@wkmagnetic.com
www.wkmagnetic.com