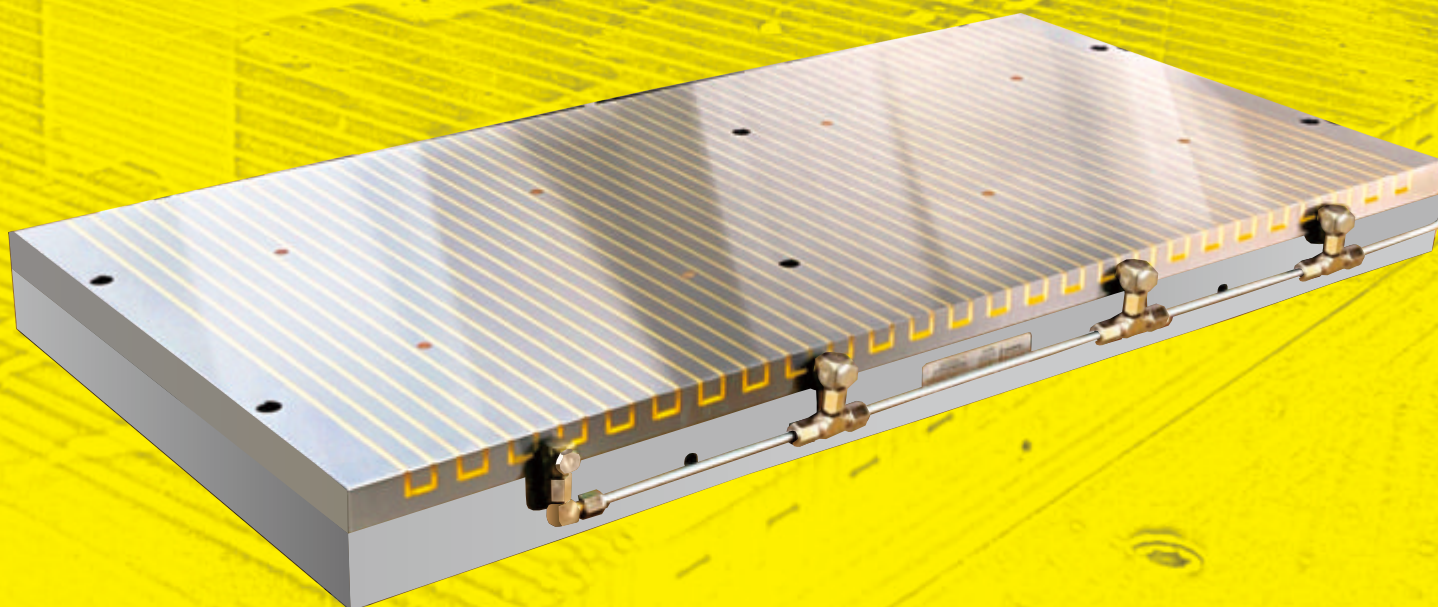




EARTH-CHAIN
Power that works.

Electro-Permanent Magnetic Chuck **EEPG** Series
Suitable for High Precision Surface Grinding



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Mag Vise Magnetic Workholding
Electro-Permanent Magnetic Chuck

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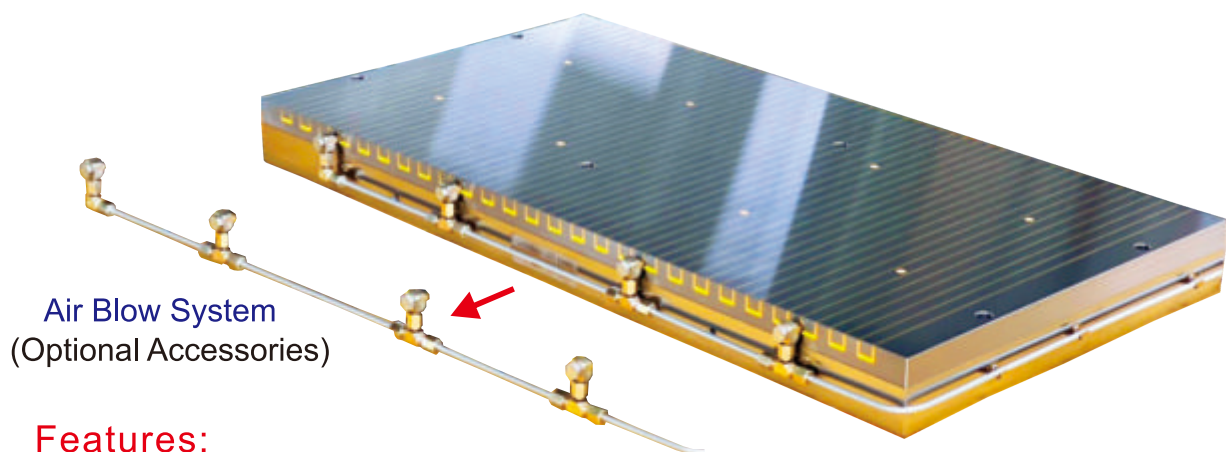




Electro-Permanent Magnetic Chuck

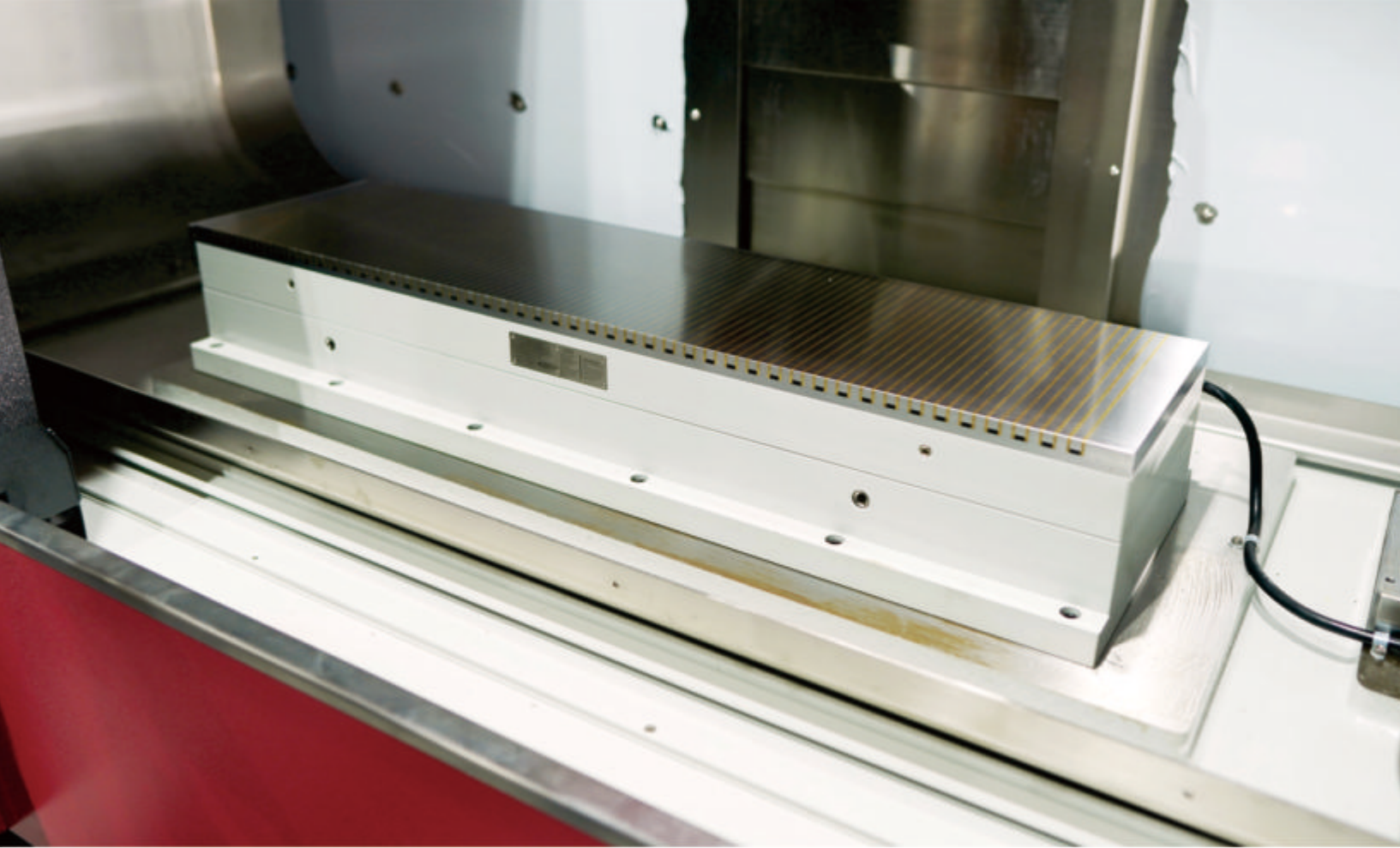
EEPG Series

For clamping workpieces which need high accuracies. Ex : Surface grinding



Features:

1. Electro permanent magnetic design. No electric power supply required to keep the magnetic force, never generate temperatures to affect the accuracy of workpieces, suitable for precision surface grinding jobs.
2. The power connection will be automatic cut off when the magnetism is completed, effectively reduce the power consumption and achieve the purpose of energy saving.
3. Resin-bonded structural face plate, minimizing the environmental burden.
4. The reverse demagnetization design avoids the problem of workpiece's residual magnetism. Optional air blow system is also available for easily unload the workpiece after grinding processes.
5. Strong and dense structure design, multi-layer waterproofing, excellent chuck strength and waterproof performance.
6. A variety of magnetic pole pitch can be selected, suitable for various size workpieces. Large-scale or gantry grinder, and multiple chucks can be used in combination for gantry type surface grinders.
7. A complete range of standard size chucks, and customized size chuck can also be provided to meet user needs, achieving the best cost performance.



Controller

EEPG-C Series

Used for controlling the EEPG series magnetic chuck.

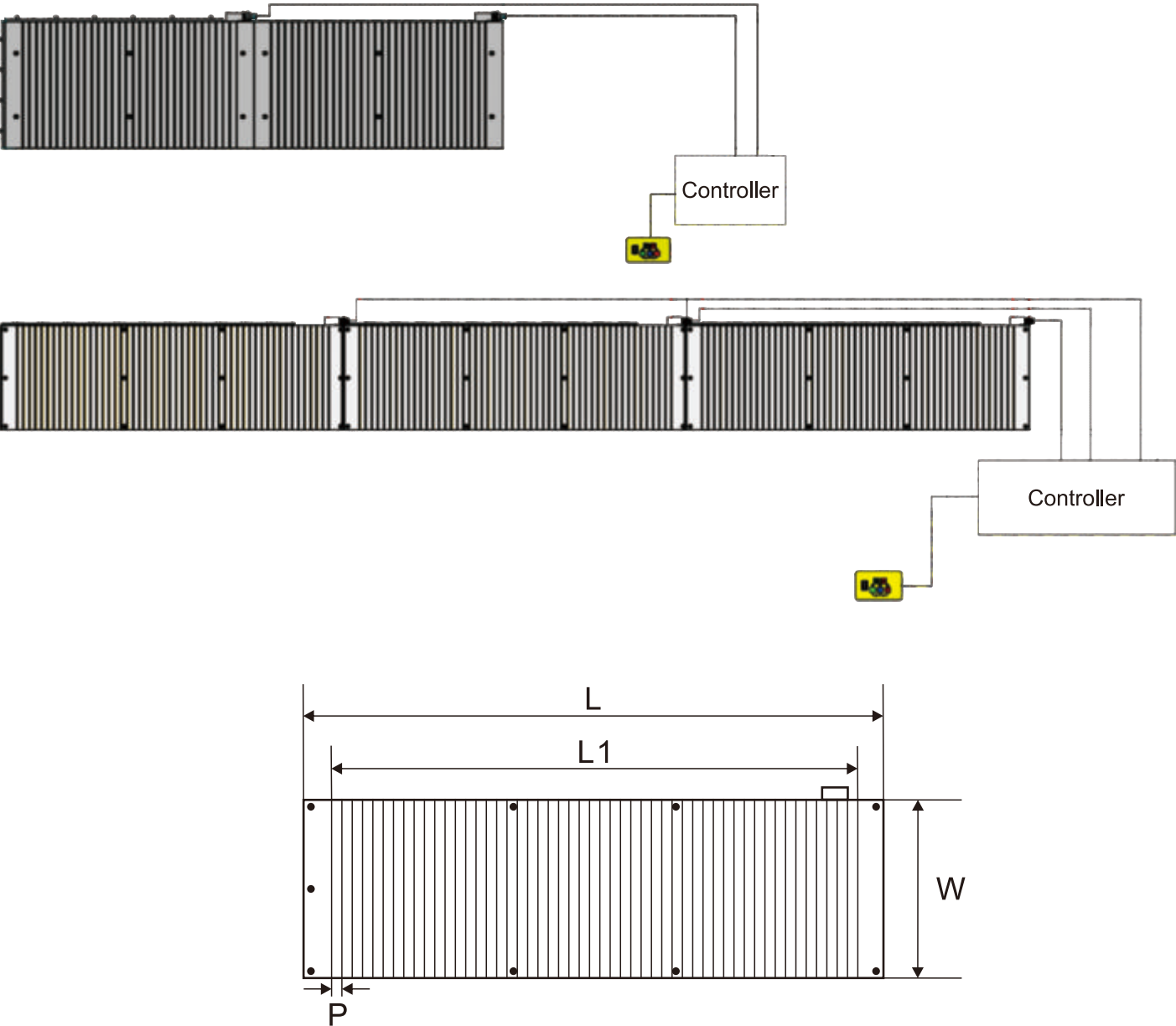


EEPG-C1

Features:

1. Equipped with LCD display screen, can display controller information and chuck status.
2. Can be connected to the cable control box for easy operation.
3. Equipped with UL certified European standard power terminal block, can withstand 500V/32A rated voltage and current, safe and reliable.
4. Equipped with a functional terminal block, the magnetization/demagnetization function and the magnetic force adjustment can be controlled via machine's main operation panel.
5. 16-segment magnetic force adjustment, which can match different grinding operations and workpiece conditions, optimizing the magnetic force to achieve the best grinding accuracy.
(The cable control box is 8-segment magnetic adjustment)

Based on customer’s requirement, multiple chucks combination and its’ control system can be customized. Multiple chucks can simultaneously perform magnetic force adjustment, and magnetization /demagnetization operations.

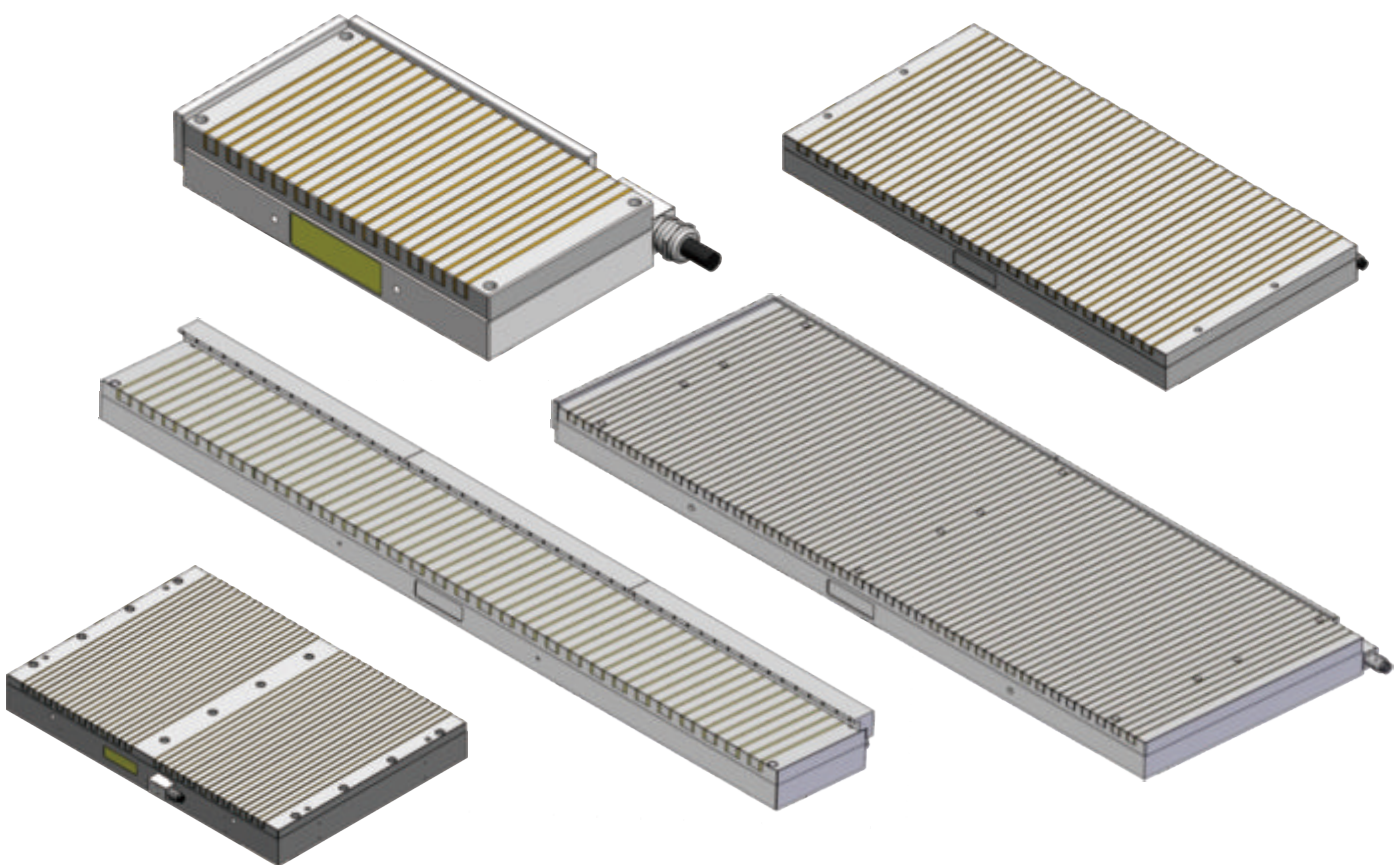


Unit:mm

MODEL	DIMENSION(mm)				POLE PITCH P	CONTROLLER	VOLTAGE (Single Phase)	CHUCK N.W.
	L	L1	W	H				
EEPG-2040A	400	325	200	65	1+3	EEPG-C1	220V or 380V~400V	41 kg
EEPG-3050A	500	397	300	65				77 kg
EEPG-3060A	600	509	300	65				92 kg
EEPG-4080A	800	717	400	65				164 kg
EEPG-2040B	400	328	200	65	3+10		220V or 380V~400V	41 kg
EEPG-3050B	500	408	300	65				77 kg
EEPG-3060B	600	510	300	65				92 kg
EEPG-4080B	800	718	400	65				164 kg
EEPG-50100B	1000	926	500	80			380V~400V	316 kg
EEPG-60100B	1000	926	600	80				379 kg

Unit:mm

Customized sizes / pole pitch is available.

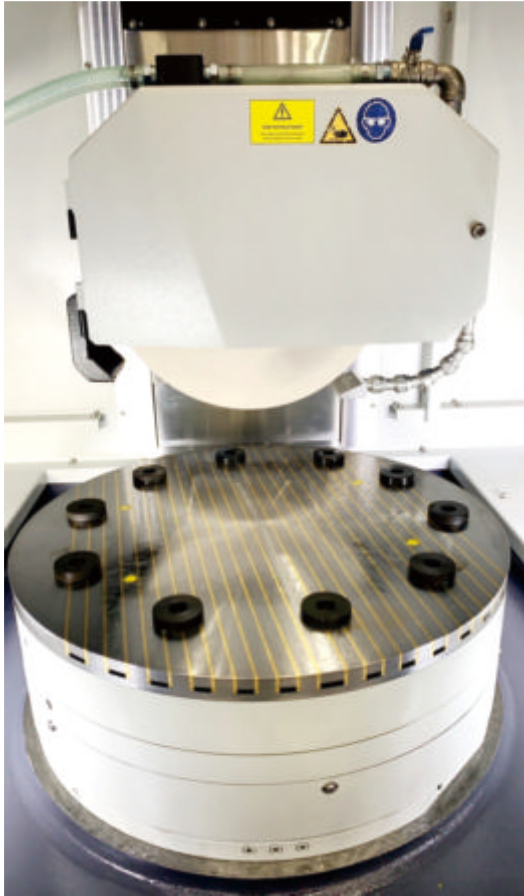
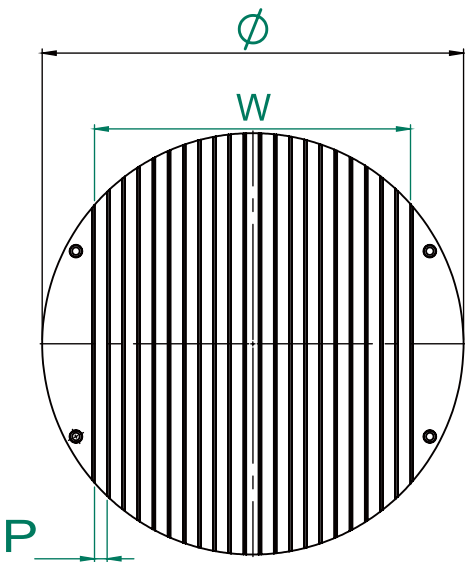
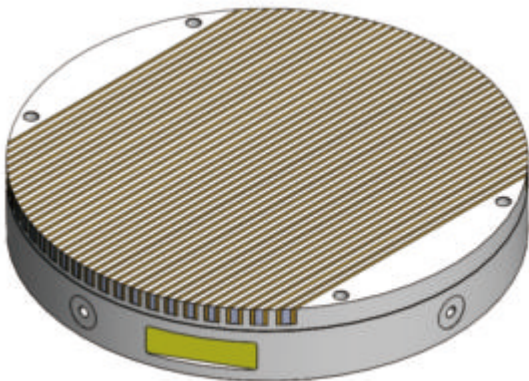


Unit:mm

MODEL	DIMENSION(mm)				POLE PITCH P	CONTROLLER	VOLTAGE (Single Phase)	CHUCK N.W.
	L	L1	W	H				
EEPG-2040C	400	309	200	65	3+15	EEPG-C1	220V or 380V~400V	41 kg
EEPG-3060C	600	504	300	65				92 kg
EEPG-4080C	800	705	400	65				164 kg
EEPG-50100C	1000	921	500	80			380V~400V	316 kg
EEPG-50150C	1500	1425	500	90				534 kg
EEPG-60100C	1000	921	600	80				379 kg
EEPG-60120C	1200	1065	600	90				512 kg
EEPG-60150C	1500	1425	600	90				640 kg
EEPG-70150C	1500	1425	700	90				747 kg
EEPG-80100C	1000	921	800	80				506 kg
EEPG-2040D	400	330	200	65	5+20		220V or 380V~400V	41 kg
EEPG-3060D	600	500	300	65				92 kg
EEPG-4080D	800	730	400	65				164 kg
EEPG-50100D	1000	930	500	80			380V~400V	316 kg
EEPG-50150D	1500	1430	500	90				534 kg
EEPG-60100D	1000	930	600	80				379 kg
EEPG-60120D	1200	1080	600	90				512 kg
EEPG-60150D	1500	1430	600	90				640 kg
EEPG-70150D	1500	1430	700	90				747 kg
EEPG-80100D	1000	930	800	80				506 kg

Circular Electro-Permanent Magnetic Chuck

EEPG-R Series



Unit:mm

MODEL	DIMENSION		MAGNETIC AREA W	POLE PITCH P	CONTROLLER	VOLTAGE (Single Phase)	CHUCK N.W.
	D	H					
EEPG-500BR	Ø 500	85	374	3+10	EEPG-C1	380V ~ 400V	132
EEPG-600BR	Ø 600	85	420				190
EEPG-800BR	Ø 800	90	634		EEPG-C2		358
EEPG-1000BR	Ø1000	100	790				621
EEPG-500CR	Ø 500	85	375	3+15	EEPG-C1		132
EEPG-600CR	Ø 600	85	448				190
EEPG-800CR	Ø 800	90	627		EEPG-C2		358
EEPG-1000CR	Ø1000	100	807				621
EEPG-500DR	Ø 500	85	370	5+20	EEPG-C1		132
EEPG-600DR	Ø 600	85	426				190
EEPG-800DR	Ø 800	90	620		EEPG-C2		358
EEPG-1000DR	Ø1000	100	820				621

Customization is available.

Application performance covers all the magnetic clamping and mechanica industries, get more than 50 domestic and foreign machinery manufacturers used.



- Intelligent production lines with internet of machines & magnetic systems
- MES timely production arrangement system
- Smart logistics & warehouse management
- Whole plant power consumption visualization monitoring system
- Solar power generation visualization monitoring system



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