

Model EPC-Z POWERFUL ROUND PERMANENT ELECTROMAGNETIC CHUCK

Construction machinery / Ship building / Nuclear power plant / Wind power generation
Highly precise machining of ring-shaped workpiece such as bearings!

Environmentally friendly

Power saving

Minimal heat generation

Chuck controller required additionally

[Application]

Suitable for machining of ring-shaped workpieces such as bearings while rotating them on lathes and cylindrical grinders.

[Features]

- The employment of a magnetic pole construction suitable for cutting has increased the holding power. Suitable for cutting operations where large load is applied.
- The rectangular magnetic poles provide consistent holding power regardless of workpiece sizes.
- By using included blocks with T-grooves and adapter blocks, various workpieces, small and large, can be held.
- By mounting blocks, workpieces can be machined while being lifted. This feature enables it to machine workpieces from any direction. Also removal of chips and maintenance are easy.

[mm (in)]

Model	Dimensions	No. of Poles	Applicable Workpiece Diameter		Mass	Electro Chuck Master
			Min. dia.	Max. dia.		
EPC-Z60	φ 640 (25.1) × 90 (3.54)	14	250 (9.84)	600 (23.6)	170kg/ 374 lb	EPS-PZ2100A-2
EPC-Z90	φ 950 (37.4) × 90 (3.54)	28 (14+14)		900 (35.4)	410kg/ 904 lb	EPS-PZ2100A-4
EPC-Z120	φ 1250 (49.2) × 90 (3.54)			1200 (47.2)	725kg/ 1598 lb	EPS-PZ2100A-6
EPC-Z150	φ 1550 (61.0) × 110 (4.33)	44 (22+22)	500 (19.6)	1500 (59.0)	1280kg/ 2822 lb	EPS-PZ2100A-8
EPC-Z180	φ 1850 (72.8) × 110 (4.33)	43	800 (31.5)	1800 (70.8)	1580kg/ 3483 lb	EPS-PZ2100A-10
EPC-Z200	φ 2050 (80.7) × 110 (4.33)	50	1000 (39.4)	2000 (78.7)	1800kg/ 3969 lb	EPS-PZ2100A-10

※ The chuck controller is not included.

※ The power is supplied through the metal connector (with cable connection confirmation signal) on the side of the chuck.

[mm (in)]

<Chuck controller>

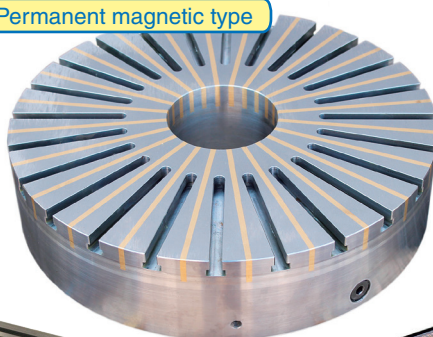
Model	Power Source	Output		Breaker Capacity	Dimensions			Mass
		Voltage	Current		Width	Height	Depth	
EPS-PZ2100A-2	200 VAC (50 / 60Hz) 1 φ	90 VDC × 2 times switching	Pulse 100 A (per switching)	30A	450 (17.7)	450 (17.7)	200 (7.87)	15kg/ 33.0 lb
EPS-PZ2100A-4		90 VDC × 4 times switching			60A	650 (25.5)	750 (29.5)	250 (9.84)
EPS-PZ2100A-6		90 VDC × 6 times switching		75A		600 (23.6)	850 (33.4)	
EPS-PZ2100A-8		90 VDC × 8 times switching				800 (31.5)	925 (36.4)	50kg/ 110 lb
EPS-PZ2100A-10		90 VDC × 10 times switching		800 (31.5)	925 (36.4)	300 (11.8)	80kg/ 176 lb	

Examples of magnetic chucks of special specifications

Permanent electromagnetic type



Permanent magnetic type



Electromagnetic + vacuum type



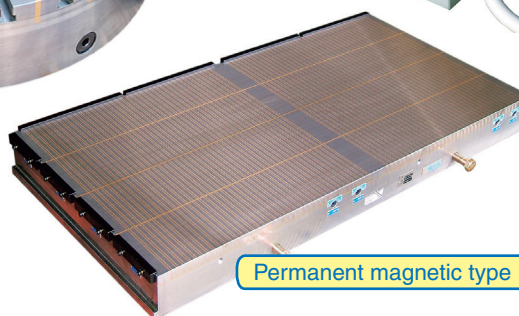
Electromagnetic type



Permanent electromagnetic type



Permanent magnetic type



ELECTROMAGNETIC CHUCK CONTROLLERS MAGNETIC CHUCKS PERMANENT ELECTROMAGNETIC CHUCKS PERMANENT ELECTROMAGNETIC CHUCKS BLOCKS FOR MC VACUUM CHUCKS PROMELTA* SINE BAR CHUCKS BLOCKS HOLDERS MINICHUCKS HOLDING TOOLS MEASURING TOOL HOLDERS MAGNETIC HOLDERS MAGNETIC TOOLS