

# PERMANENT ELECTROMAGNETIC CHUCKS

## Model EP-QZ SUPER POWERFUL PERMANENT ELECTROMAGNETIC CHUCK FOR LONG WORKPIECE

Environmentally friendly

Chuck controller required additionally



**EP-QZ8-1550A**  
An example of special fabrication

### [Features]

- The gap characteristic is superior to that of the current Model EP-QN/QS. These chucks are suitable for workpieces that have poor flatness and require large holding power.
- These chucks replace conventional hydraulic and mechanical clamping to reduce the setup time and improve productivity.
- The magnetic poles are arranged according to shapes and length of workpieces such as rails. Securing blocks specially designed according to workpiece shapes are also available.
- A type with a separator made of brass is also available.

[mm (in)]

Model	Max. Holding Power per Pole	Pole Size	No. of Poles	Features	Electro Chuck Master
EP-QZ8-15100A	□75 (□2.95) 750kgf	□75 (□2.95)	5	Single type	EPS-P2100B
EP-QZW-30100A	□50 (□1.96) 300kgf	□75 (2.95) + □50 (1.96)	10 (□75) + 14 (□50)	Double type	EPS-P2100B-2

※The chuck controller and clamp parts are not included. ※The KANETEC chucks work best when a KANETEC chuck controller is used.

※Turning the permanent electromagnetic chucks on and off must be limited to once per several minutes. If on/off operations are repeated frequently, the chucks may be damaged by overheat.

## Model EP-D DEMAGNETIZING FUNCTION-EQUIPPED PERMANENT ELECTROMAGNETIC CHUCK FOR CUTTING

### Strong holding power and good release performance realized!

Environmentally friendly

Power saving

Minimal heat generation

Chuck controller required additionally



**EP-D3060**

### [Application]

Used for securing workpieces during cutting by milling machines, machining centers, etc.

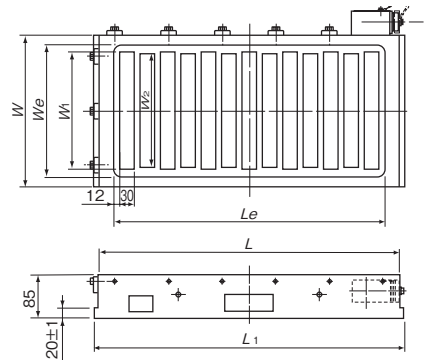
### [Features]

- A coil dedicated to demagnetization has significantly improved the workpiece release performance when the chuck is turned off.
- The magnetic pole arrangement to concentrate magnetism on the workpiece provides strong holding power.
- Hardened steel and special steel workpieces having large residual magnetism can be released quicker than the conventional chucks.
- Electricity is used only when mounting and demounting workpieces, thus minimal heat is generated and electricity is saved.
- Can be used in wet operations.

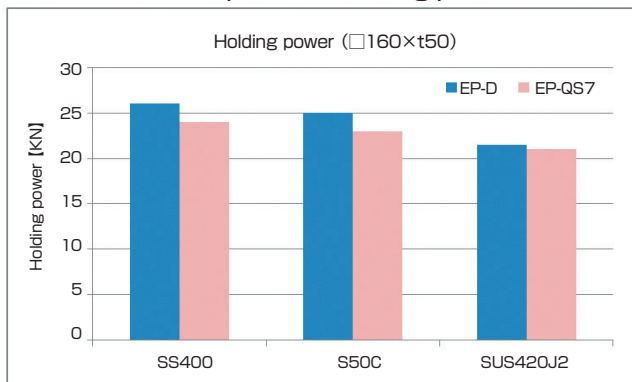
Model	Work Face		Dimensions				Mounting Face	Mass	Electro Chuck Master
	W	L	W <sub>e</sub>	L <sub>e</sub>	W <sub>1</sub>	W <sub>2</sub>	L <sub>1</sub>		
EP-D 3060	304 (11.9)	618 (24.3)	264 (10.3)	558 (21.9)	240 (9.44)	232 (9.13)	638 (25.1)	110kg/242 lb	EPS-D2100A
EP-D 4080	404 (15.9)	786 (30.9)	364 (14.3)	726 (28.5)	340 (13.3)	332 (13.0)	806 (31.7)	185kg/407 lb	
EP-D50100	504 (19.8)	1038 (40.8)	464 (18.2)	978 (38.5)	440 (17.3)	432 (17.0)	1058 (41.6)	305kg/672 lb	EPS-D2100A-2
EP-D60100	604 (23.7)		564 (22.2)		540 (21.2)	532 (20.9)		360kg/793 lb	

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Comparison of holding power



Comparison of residual holding power

