

PERMANENT ELECTROMAGNETIC CHUCKS

Model EP-QD DEMAGNETIZING FUNCTION-EQUIPPED PERMANENT ELECTROMAGNETIC CHUCK FOR CUTTING

Weakness of checker board pattern type permanent electromagnetic chucks overcome!

Environmentally friendly



Minimal heat generation

Chuck controller required additionally



EP-QD7-3469

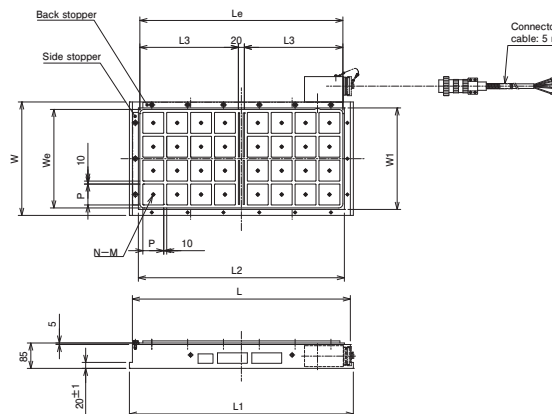
(Mounting size equivalent to 400 × 800)

[Application]

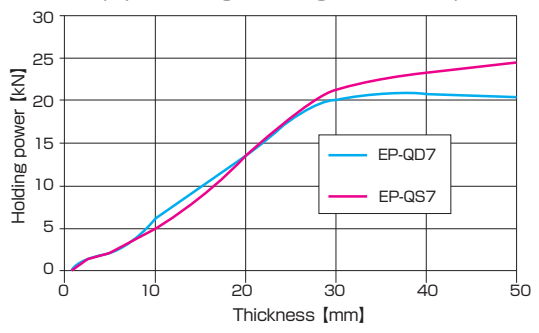
Used for securing workpieces during cutting by milling machines, machining centers, etc.

[Features]

- An optimum combination of KANETEC's original magnetic pole construction and a construction dedicated to demagnetization has reduced residual holding power significantly.
- Hardened steel and special steel workpieces having large residual magnetism can be released easily. (Compared with conventional EP-Q)
- The optional straightening block (KT-Q70/Q70M) can be used. By mounting various blocks using tapped holes on the attractive face, various securing methods can be utilized according to machining operations.
- Can be used in wet operations.
- Special types having four poles minimum are available.



Holding power - thickness characteristic (4-pole holding, SS400 ground surface)



[mm (in.)]

Model	Mounting Size	Work Face				Pole Dimensions				Mounting Face	Height	Tapped Hole on Attractive Face		Mass	Electro Chuck Master	
		W	W ₁	L	L ₂	We	Le	No. of Poles	P			L ₂	N			M
EP-QD7-2669	300(11.8) × 800(31.5)	300(11.8)	260(10.2)	730(28.7)	690(27.1)	250(9.84)	680(26.7)	24	70(2.75)	330(12.9)	750(29.5)	85(3.34)	24(0.94)	10(0.39)	125kg/275 lb	EPS-D2100A
EP-QD7-3453	400(15.7) × 600(23.6)	380(14.9)	340(13.3)	570(22.4)	530(20.8)	330(12.9)	520(20.4)			250(9.84)	590(23.2)		32(1.25)			
EP-QD7-3469	400(15.7) × 800(31.5)			730(28.7)	690(27.1)		680(26.7)	32	70(2.75)	330(12.9)	750(29.5)	85(3.34)	32(1.25)	10(0.39)	160kg/352 lb	EPS-D2100A-2
EP-QD7-5069	550(21.6) × 800(31.5)	540(21.2)	500(19.6)			490(19.2)	480(18.9)			330(12.9)	750(29.5)		48(1.88)			

*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-QL SUPER POWERFUL PERMANENT ELECTROMAGNETIC CHUCK FOR LONG WORKPIECE

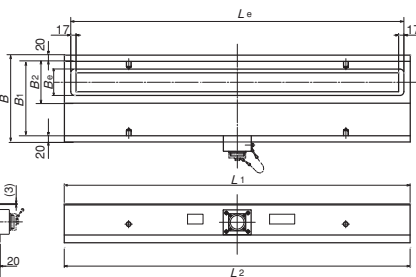
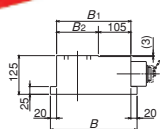
A permanent electromagnetic chuck specialized in securing long workpieces! Powerfully holds workpieces without jigs!

Environmentally friendly

Chuck controller required additionally



EP-QL-24111A



[Application]

Used to secure workpieces quickly and firmly during milling and machining of long workpieces such as railroad rails.

[Features]

- The employment of magnetic pole arrangement providing a wide attractive area enables it to attract and hold workpieces on the whole attractive face.
- A magnet for side-face attraction may be mounted to support securing of workpieces from sides.
- In place of a side-face attraction magnet, clamp parts may be used.

[mm (in.)]

Model	Work Face			Mounting Face		Height	Mass	Electro Chuck Master
	B ₁	B ₂	B _e	L ₁	L _e			
EP-QL-24111A	240(9.44)	135(5.31)	85(3.34)	1115(43.8)	1074(42.2)	280(11.0)	1115(43.8)	270kg/595 lb

*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.