

PERMANENT ELECTROMAGNETIC CHUCKS

Model EP-Q PERMANENT ELECTROMAGNETIC CHUCK FOR MILLING

A Line-up of Products Selectable According to Machining Methods and Workpieces.

■ Revised design reduces electric power consumption providing a more compact size chuck master.

■ The detachable power connector type is provided to respond to pallet changing.

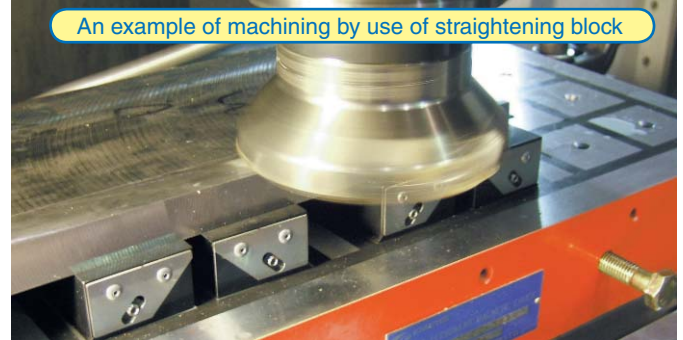


[Application]

Suitable for securing workpieces during cutting on milling machines and machining centers.

[Features]

- Can be used in wet machining operations.
- The chuck is very thin, 70 mm in height, and light weight.
- Less accuracy change and highly robust construction.
- Achieve significant power savings compared to conventional products.
(□70:50% Reduction, □50:70% Reduction)



An example of machining by use of straightening block

- Magnetization and demagnetization in a very short time.
- Tapped holes on the attractive face can be used to install various blocks to hold workpieces by various methods according to machining operations.
- Straightening blocks are also available that are mounted on the chuck work face to hold workpieces by an induction field. These optional products are very useful for such workpieces of irregular attractive faces that for example have steps and distortion and for machining the bottom and side faces of workpieces.

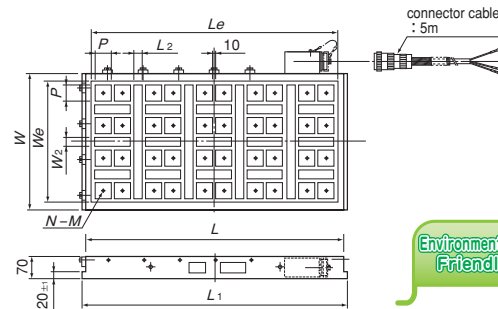
EP-QN



EP-QN7-50100A



Chuck controller required additionally



Environmentally Friendly

[mm (in.)]

Standard Size Model	Chuck Work Face		Pole Dimensions				Mounting Face		Attractive Face Thread Hole		Mass	Applicable Chuck Master		
	W	L	We	Le	No. of Poles	P	Wz	Lz	L1	N			M	
EP-QN5	3060A	300 (11.8)	610 (24.0)	252 (9.92)	570 (22.4)	24	50 (1.96)	18 (0.70)	16 (0.63)	630 (24.8)	24 (0.94)	8 (0.31)	90kg/198 lb	EPS-P2100B
	4080A	420 (16.5)	800 (31.5)	372 (14.6)	760 (29.9)	40		28 (1.10)	25 (0.98)	820 (32.2)	40 (1.57)		160kg/352 lb	
	50100A	500 (19.6)	960 (37.8)	432 (17.0)	917 (36.1)	60		18 (0.70)	26 (1.02)	980 (38.5)	60 (2.36)		230kg/507 lb	
	60100A	600 (23.6)		552 (21.7)		72		24 (0.94)			72 (2.83)		280kg/617 lb	
EP-QN7	4080A	390 (15.3)	800 (31.5)	332 (13.0)	760 (29.9)	24	70 (2.75)	28 (1.10)	24 (0.94)	820 (32.2)	24 (0.94)	10 (0.39)	150kg/330 lb	EPS-P2100B
	50100A	500 (19.6)	452 (17.8)	40	40 (1.57)	240kg/529 lb				EPS-P2100B-2				
	60100A	620 (24.4)	1000 (39.3)	572 (22.5)	960 (37.8)	50					25 (0.98)		1020 (40.1)	50 (2.36)

*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 overheating.

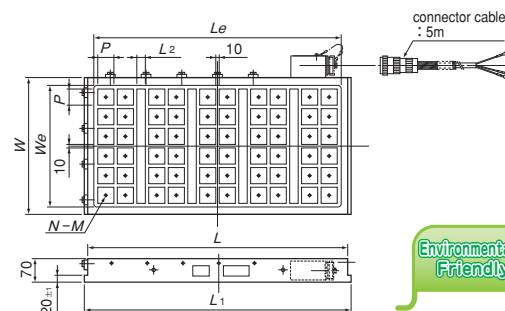
EP-QS



EP-QS-3060A



Chuck controller required additionally



Environmentally Friendly

[mm (in.)]

Standard Size Model	Chuck Work Face		Pole Dimensions				Mounting Face		Attractive Face Thread Hole		Mass	Applicable Chuck Master
	W	L	We	Le	No. of Poles	P	Lz	L1	N	M		
EP-QS5	3060A	300 (11.8)	610 (24.0)	252 (9.92)	570 (22.4)	32	50 (1.96)	16 (0.55)	630 (24.8)	32 (1.26)	90kg/198 lb	EPS-P2100B
	4080A	420 (16.5)	800 (31.5)	372 (14.6)	760 (29.9)	60		25 (0.98)	820 (32.2)	60 (2.36)	160kg/352 lb	EPS-P2100B
	50100A	500 (19.6)	960 (37.8)	432 (17.0)	917 (36.1)	84		26 (1.02)	980 (38.5)	84 (3.31)	230kg/507 lb	EPS-P2100B-2
	60100A	600 (23.6)		552 (21.7)		108		108 (4.25)		280kg/617 lb		
EP-QS7	3060A	300 (11.8)	600 (23.6)	252 (9.92)	562 (22.1)	18	70 (2.75)	25 (0.98)	620 (24.4)	18 (0.70)	86kg/189 lb	EPS-P2100B
	4080A	390 (15.3)	800 (31.5)	332 (13.0)	760 (29.9)	32		24 (0.94)	820 (32.2)	32 (1.26)	150kg/330 lb	EPS-P2100B
	50100A	470 (18.5)	1000 (39.3)	412 (16.2)	960 (37.8)	50		25 (0.98)	1020 (40.1)	50 (1.96)	220kg/485 lb	EPS-P2100B-2
	60100A	620 (24.4)	572 (22.5)	70	70 (2.75)	300kg/661 lb				EPS-P2100B-2		

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