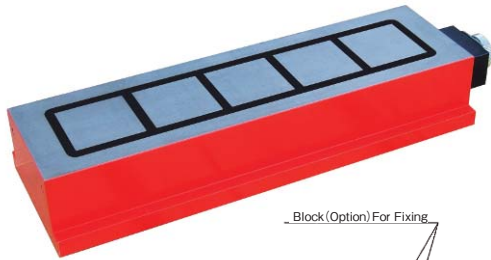


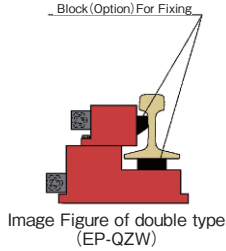
PERMANENT ELECTROMAGNETIC CHUCKS

Model EP-QZ POWERFUL TYPE

ELECTROMAGNETIC CHUCK CONTROLLERS
MAGNETIC CHUCKS
PERMANENT ELECTROMAGNETIC CHUCKS



EP-QZ8-1550A
an example of special fabrication



Longer size rail is strongly attracted without jig.

[Application]

For use in milling machines, machining centers e.t.c. for long size rail type work, the work piece is strongly fixed and clamped at once.

[Features]

- Gap attraction is more excellent than such our conventional model of EP-QN/QS type. This chuck is most suitable for such work in which parallel is worse and needs larger attractive force.
- Replacing conventional hydraulic, mechanical clamp, working time can be shorten and productivity improved.
- The alignment of magnetic pole can be made in accordance with shape and length of work piece such as rail.
- Exclusive fixing block designed for a particular shape of work piece can be manufactured as an option.
- The same chuck but with brass separators can be manufactured.

Model	MAX.Holding Power	Pole Size	No.of Poles1	Features	Electro Chuck Master
EP-QZ8-15100A	□75 (□2.95) 750kgf	□75 (□2.95)	5 (0.19)	シングルタイプ	EPS-P2100B
EP-QZW-30100A	□50 (□1.96) 300kgf	□75 (2.95) + □50 (1.96)	10 (□75) + 14 (□50) 0.39 (□2.95) + 0.55 (□1.96)	ダブルタイプ	EPS-P2100B-2

BLOCKS FOR MC
VACUUM CHUCKS

Model EP-D ELECTRO PERMANENT MAGNETIC CHUCK FOR MILLING EQUIPPED WITH DEMAGNETIZING FUNCTION



Strong attractive force and good release performance are achieved.



EP-D3060

Electro Chuck master is separately needed.

[Application]

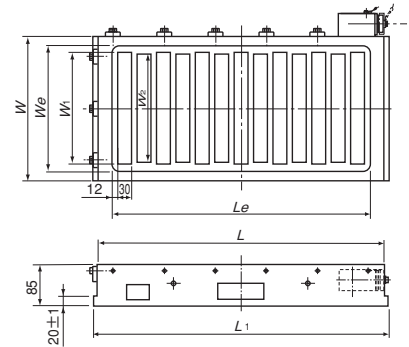
This chuck is most suitable to hold work for milling by milling machine, machine center.

[Features]

- Releasing performance of a work piece has been tremendously improved by coils exclusively designed for reduction of magnetization.
- Magnetic pole pattern design producing concentrated magnetism on the work piece resulting in strong holding force.
- Better releasing performance is achieved in comparison with conventional electro-permanent magnetic chuck, for annealed steel or special steel, on which residual magnetism is large.
- Because electricity supply is necessary only when holding or releasing a work piece, no internal heat is generated resulting in higher accuracy and power cost savings.
- This chuck is workable for wet operation.

PROMELTA SYSTEM
SINE BAR CHUCKS

Model	Top Plate		Dimensions				Bottom Plate	Mass	Electro Chuck Master
	W	L	We	Le	W ₁	W ₂	L ₁		
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)	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)	
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)	EPS-D2100A-2
EP-D60100	604 (23.7)		564 (22.2)		240 (9.44) × 2 (0.07)	232 (9.13) × 2 (0.07)		365kg (804)	



※ 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.

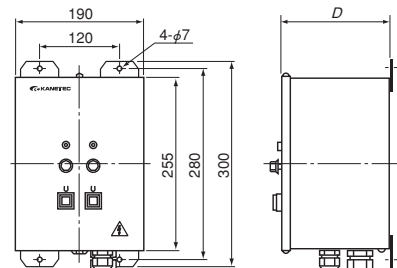
MAGNETIC BLOCKS
WORKING TOOLS

MEASURING TOOL HOLDERS

MAGNETIC HOLDERS
MAGNETIC TOOLS



EPS-D2100A



Model	Dimensions (W×H×D)	Power Source	Output	Output Switchover	Magnetizing Time (Approx.)	Demagnetizing Time (Approx.)	Breaker Capacity (Ref.)	Mass
EPS-D2100A	190 × 165 × 225 (7.48 × 6.49 × 10.0)	200VAC 50/60Hz	10~90VDC Average :100A	No Switchover	1S	4S	30A	7.5kg (16.5)
EPS-D2100A-2	190 × 200 × 225 (7.48 × 7.87 × 10.0)	1φ		2	3S	6S		8kg (17.6)