



Ital Produtos Industriais Ltda – Tel: (11) 4148 2518–FAX: (11) 4703 5501–E-mail: ital@italpro.com.br

EP-CHUCK EPM50 SERIES

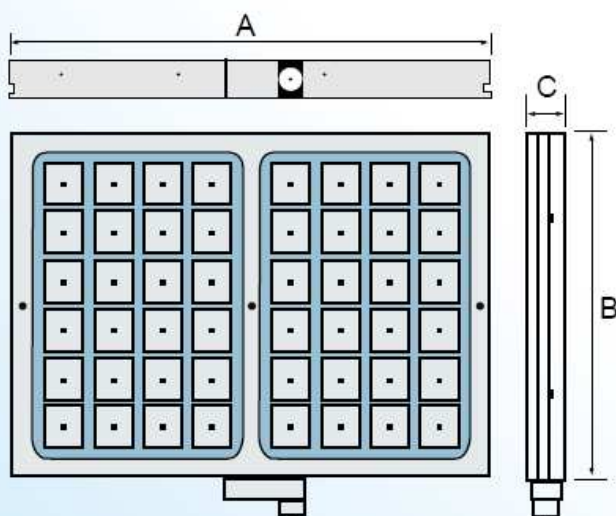
Description

EPM50 Quad-Grid milling chucks

- Fine poles for smaller, thinner parts. fine pole version with a standard polar density comprising size 50x50mm poles with a force of 380 kgf for each pole.
- Best suited for workpieces at least 250x250mm and 10mm thick, also with limited thicknesses and normal operating air gaps.
- Fail-safe electro-permanent magnetic circuit pallet compatible.
- Complete series of top tooling options for locating workpieces.



Specifications



EPM50		C=68mm		
Model	A(mm)	B(mm)	Number of poles	Weight(kg)
206	470	220	12	55
208	620	220	16	70
208	770	220	20	90
209	920	220	24	105
210	1080	220	28	120
303	320	300	12	50
305	470	300	16	75
306	620	300	24	95
308	770	300	30	120
309	920	300	36	140
310	1080	300	42	160
403	320	400	16	66
405	470	400	24	96
406	620	400	32	125
408	770	400	40	155
409	920	400	48	185
410	1080	400	56	215
503	320	490	20	80
505	470	490	30	120
508	620	490	40	155
508	770	490	50	190
509	920	490	60	230
510	1080	490	70	260
603	320	590	24	95
605	470	590	36	140
608	620	590	48	185
608	770	590	60	230
609	920	590	72	275
610	1080	590	84	315



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CONTROL UNIT

Description

For electro-permanent magnetic chucks this control unit is supplying the current impulse for switching the chuck on and off.

The integrated, microprocessor controlled, pole reversing function demagnetizes the magnetic system and also eliminates the remanence magnetism in the workpiece. Due to this the workpieces can easily be released from the chuck, any chips are easy to remove, and, even more important, separate demagnetization of the workpiece is no longer required.

When control unit and magnetic chuck are ordered as a set, it will be programmed with the most optimum settings in time and function.

The control unit continuously monitors the main supply voltage / current, its outputs, all connecting cables and magnet coils.

Technical data

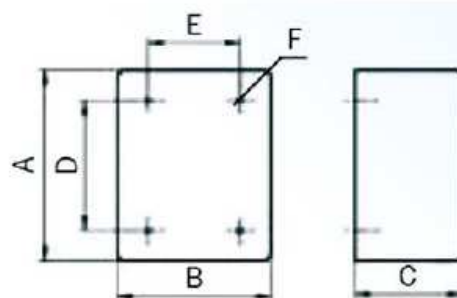
Maximum ambient temperature: 45 °C

Input voltage: 230 / 400 Vac

Frequency: 50 / 60 Hz

Cycle time for electropermanent magnets: > 3 min.

Smaller cycles on request.



(D,E,F on request)

Specifications

Model	voltage out put (DCV)	Magnet current max. in A	voltage in put (ACV)	Max. magnet rating DC in kW	Fuse in A
Control unit A	360	60	400	21.6	45
Control unit B	360	60x2	400	21.6x2	45
Control unit C	360	60x3	400	21.6x3	45
Control unit D	360	60x4	400	21.6x4	45

Model	A	B	C	D	E	F	Weight in kg
Control unit A	300	250	130	-	-	-	5
Control unit B	300	250	130	-	-	-	5
Control unit C	350	300	150	-	-	-	6
Control unit D	350	300	150	-	-	-	6