

PERMANENT MAGNETIC CHUCK

USE:

Universal clamping for all parts large and small both grinding and light milling up to 10HP/Square foot of part coverage.

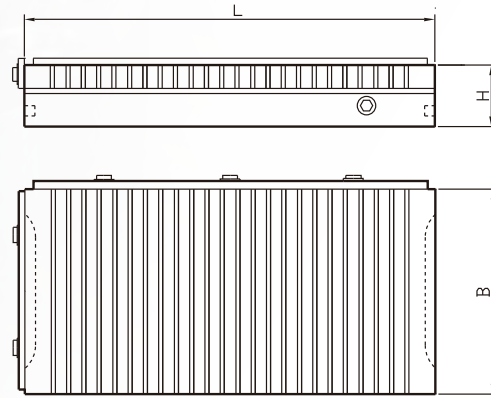
*Mild steel parts flat ground surface minimum thickness 10mm.

FEATURES:

- Pole pitch 4+11 mm
- Highest clamping force up to 180N/cm²
- Highly concentrated magnetic field with low flux depth
- Prevents magnetization of tooling
- Coolant proof structure
- Easy to operate
- High precision with no residual magnetism
- Magnetic field height : 10 mm

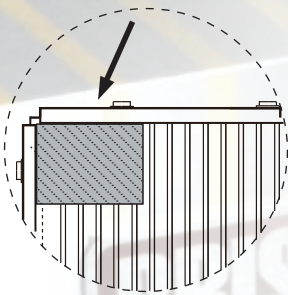
With 100mm x 100mm x 10mm part, without stops, 25mm end mill .1mm deep can achieve 450mm/min Feedrate.

With stops, 2000mm/min.



Mechanical stops can increase stock removal rates by 3X.

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Model	Size	Width	Length	Height	Net Weight
PMM	1525	150 (5.91)	250 (9.84)	60 (2.36)	17 kg / 37 lb
PMM	1530	150 (5.91)	300 (11.81)	60 (2.36)	20 kg / 44 lb
PMM	1535	150 (5.91)	350 (13.78)	60 (2.36)	24 kg / 53 lb
PMM	1545	150 (5.91)	450 (17.72)	60 (2.36)	31 kg / 68 lb
PMM	2030	200 (7.87)	300 (11.81)	60 (2.36)	29 kg / 64 lb
PMM	2040	200 (7.87)	400 (15.75)	60 (2.36)	37 kg / 81 lb
PMM	2045	200 (7.87)	450 (17.72)	60 (2.36)	41 kg / 90 lb
PMM	2050	200 (7.87)	500 (19.69)	60 (2.36)	46 kg / 101 lb
PMM	2060	200 (7.87)	600 (23.62)	60 (2.36)	55 kg / 121 lb
PMM	2530	250 (9.84)	300 (11.81)	60 (2.36)	35 kg / 77 lb
PMM	2535	250 (9.84)	350 (13.78)	60 (2.36)	41 kg / 90 lb
PMM	2540	250 (9.84)	400 (15.75)	60 (2.36)	47 kg / 103 lb
PMM	2545	250 (9.84)	450 (17.72)	60 (2.36)	52 kg / 342 lb
PMM	3030	300 (11.81)	300 (11.81)	60 (2.36)	39 kg / 86 lb
PMM	3040	300 (11.81)	400 (15.75)	60 (2.36)	52 kg / 114 lb
PMM	3050	300 (11.81)	500 (19.69)	60 (2.36)	65 kg / 143 lb
PMM	3060	300 (11.81)	600 (23.62)	60 (2.36)	80 kg / 176 lb
PMM	4040	400 (15.75)	400 (15.75)	60 (2.36)	71 kg / 156 lb

Unit: mm(in)

STANDARD ACCESSORIES:

- Stop rails 2 adjacent sides
- Mag/De-mag Handle
- Mounting Clamps
- User Manual



PERMANENT MAGNETIC CHUCK

discover the remarkable characteristics of PMM

■ Fine grinding and milling within reach

Thanks to its solid construction and the evenly distributed magnetic force, you can grind and mill accurately without deformation.

■ Highly accurate design

The Steel frame Monoblock body is designed to function with the special top plate to create a highly accurate solid long lasting magnetic chuck. The top plate is mechanically and magnetically held in place for more accuracy exceptional stability and long lasting precision.

■ High degree of reliability and efficiency

The entire width of the PMF can be loaded, whilst maintaining a high holding force. The systems power also allows for holding uneven work pieces.

■ Improved safety

The high magnetic force guarantees that even in difficult situations, the work pieces remain firmly in position. Even after 200,000 actuations, the magnetic force remains just as high as the first day the chuck was put into service.

■ No residual magnetism

Residual magnetism is negligible, enabling you to easily remove your work piece from the holding surface, once the chuck is deactivated.

■ High magnetic clamping force

The twin Neodymium magnetic system generates a force of 180 N/cm²; a staggering 60% more than the average micro pitch chuck. Allowing for light milling up to 10HP/SQ foot of part coverage.

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