

# EPMILL

## Heavy Duty Standard Pole Rectangular Magnetic Chuck

### Features

- Energy Saving: Electricity is required only for switching ON/ OFF.
- High Clamping force is supplied by the powerful Rare-earth magnets.
- Uniformity of clamping over the entire contact surface.
- Drastically reduces the setup time of work pieces.
- Power from entire pole is induced to components for maximum magnetization.
- All Metal surface provides stable working area for heavy duty milling.
- Clamping force up-to 16kg/cm<sup>2</sup> of contact area.

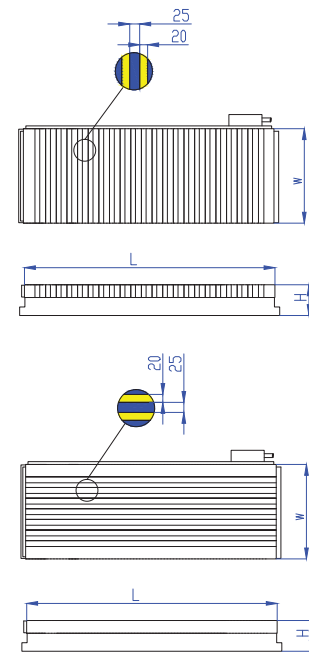


### Application

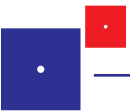
- For milling applications of medium and large sizes of jobs.
- Suitable for milling operations of plates/casting/flats/rods/strips having flat smooth surface.
- Minimum thickness of job - 15 mm.
- Pole extensions raise the work piece above the chuck to provide clearance for the tools.
- Dowel holes can be made for location of work piece.

ART No.	W	L	H	Pole Pitch	Controller
13104.01	260	450	75	45 (20+25)	93102.01
13104.02		500			
13104.03		525			
13104.04		630			
13104.05		700			
13104.06		800			
13104.07		1000			
13104.08	310	450			
13104.09		500			
13104.10		525			
13104.11		630			
13104.12		700			
13104.13		810			
13104.14		1000			
13104.15	400	630			
13104.16		1000			
13104.17		1200			
13104.18		1500			
13104.19	410	810			
13104.20	500	2000			

- Due to continuous upgradation in design there could be change in specification.
- Others sizes on request.
- All dimensions are in mm.



- The Magnet can be designed for 220/380/400/480 VAC, 50/60 Hz.
- Custom designed solutions also available.



**Applications**

Whipstock machining, the raw material is a turned rod of Dia 220 mm. One end of the job is held by a Roating Table and the rod is placed on the magnet with specially designed pole extensions. The job is cut on one face then rotated while resting on the magnet and then again cut on the second face. Cycle time for this job has been reduced by more than 100%. Earlier the method required three setups and fixture change but now it is done with one setup.

**Solution details:**

Sl.No	ART. No.	Description	Qty
1	13104.28.SP	EPMILL 230x1425x90	4
2	30104.040	Fixed pole extension with hardened top surface	3
3	30104.041	Special mobile poles with hardened top surface	40
4	93102.40	Special Controller	1

