

## Neopower Permanent Magnetic Chuck:

### Intended Use:

For use for surface milling, unidirectional forces, pocket milling, multidirectional forces, chamfering, contouring, drilling and boring, five side machining, holding irregularly shaped components and conventional squaring.

### Features:

- Exceptionally high holding power
- Quick and easy workpiece set-up
- Modular design offers flexibility
- Accessories provide versatility
- Low magnetic field
- Optional power actuation

Pole Pitch: 15mm steel + 4mm epoxy

Nominal Force: 160 N/cm<sup>2</sup>



The Neopower chuck is a new concept for use on (high speed) milling machines, finishing operations, or for tool/die applications, allowing to hold, raise and support the workpiece effectively, even without back or end stops. A high milling accuracy can be achieved thanks to the high holding power in conjunction with the low magnetic field. Clever accessories and a modular design allow for quick set up and a great flexibility.

A twin, high energy Neodymium magnet system together with a magnetic area of 90% of the total surface delivers a stunning holding power in situations where workpieces are uneven or made of tool steel,

The pole division stands for a low magnetic field, allowing to machine thin components of less than 10mm thick without magnetizing the cutting tools.

From 280mm and up pneumatic actuation is an option, compressed air is supplied through a quick coupling and the ON/OFF position is clearly visible to the operator providing a certain degree of safety. The air hose can be disconnected allowing maximum freedom and avoiding the need to protect the air conduits from hot chips.

### Adaptability:

The smaller square chucks are perfectly suitable for use on pallets or zero reference systems. The solid base allows for easy adaption to the most common systems like System 3R, Mecatool, Erowa, Hirschmann, Parotec etc.

### Accessories:

- Standard stopper rails
- Slotted rails and raiser parallels
- Laminated blocks and top plates

Model	Length (mm)	Width (mm)	Height (mm)	Actuation
35.52.424	240mm	240mm	63mm	Manual Only
35.52.828	280mm	280mm	63mm (manual)	Manual or Pneumatic
35.53.232	320mm	320mm	63mm (manual)	Manual or Pneumatic
35.53.060	600mm	300mm	63mm (manual)	2 Actuators or Pneumatic

For further information on this product range please contact us on Tel: **01525 372714** Email: [Sales@LHS.uk.com](mailto:Sales@LHS.uk.com) or visit Web: [www.lhs.uk.com](http://www.lhs.uk.com)