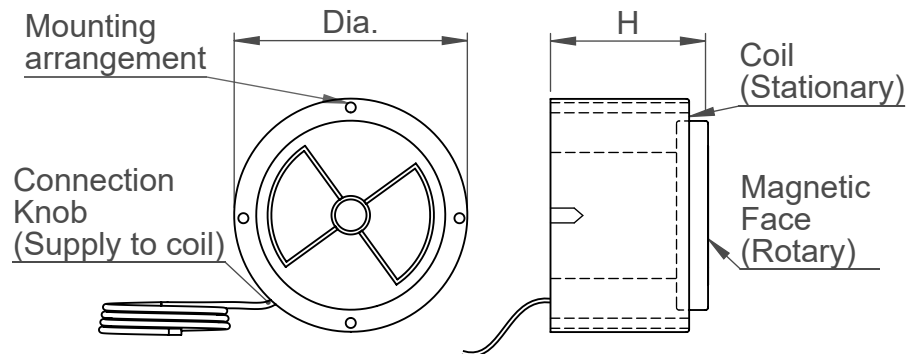


Circular Electromagnetic Chuck For Cylindrical Grinder



(Accuracy as per IS 8710-1978)

Application

Electromagnetic Chucks are designed for GRINDING operations. It generates strong magnetic force to hold work piece in rigid manner. These chucks are operated on continuous D.C. Power Supply. There is no internal wear and deformation corresponding to movement of internal parts, which provides a better life than conventional Permanent Magnetic Chuck. In this particular chuck the coil is stationary and middle part is connected with machine spindle.

Characteristics of Electromagnetic Chuck

- Construction:- Fabricated body using High Permeability Steel .
- Separation of pole :- using brass
- Conductor:- Copper wire.
- Class of Insulation:- H class
- Winding Base- FRP Former
- Bounding :- Epoxy potting
- It operate on continuously D.C. supply
- Operating Through:- Operating Pendent.

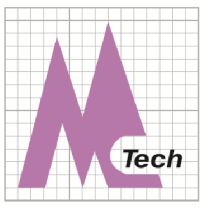
Characteristics of Control Panel:-

- Input: Powers supply required:- 230 V A.C. supply
- Output: Operating voltage:- 110V D. C. Supply
- Panel safety Precaution:- Using Fuses on AC supply , DC supply and MCB.
- Indication:- Using Indication for main supply, Magnet ON and de-mag cycle.

Inspection

Following tests are applied to inspect a chuck:-

- 1) Resistant to Earth Terminal Test
- 2) De-magnetizing Test



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- 3) High Voltage Test
- 4) Leak Proof Test
- 5) Sleeping force Test

Available Sizes

Model Code	Size (Dia. x H)
002-06-01	Dia.100 x100mm
002-06-02	Dia.150 x150mm
002-06-03	Dia.200 x 200mm

Accessories

Require D.C. Power supply unit for operating above chucks.