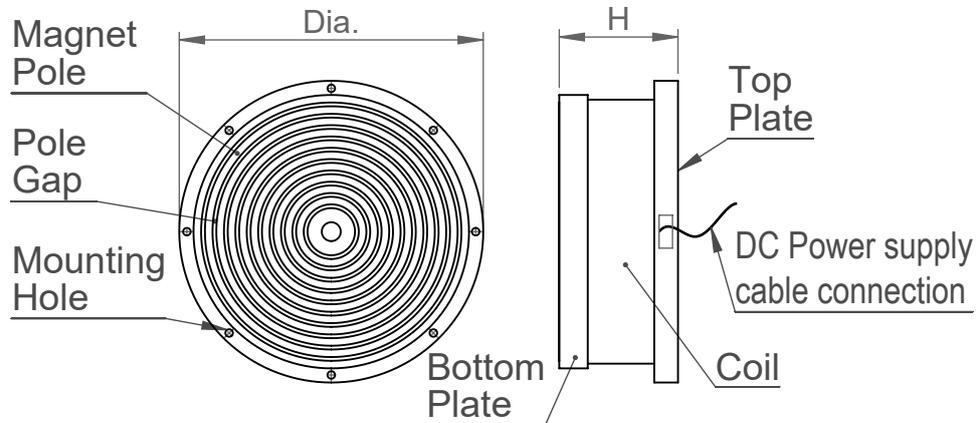


Circular Electromagnetic Chuck



(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. These chuck required slipring arrangement for external power supply to operating it.

Characteristics of Electromagnetic Chuck

- Construction:- Fabricated body using High Permeability Steel .
- Separation of pole :- using brass strips
- 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.

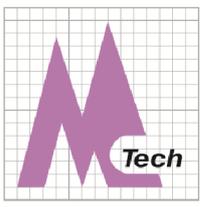
Characteristics of Control Panel

- 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 demag cycle.

Inspection

Following tests are applied to inspect a chuck:-

- Resistant to Earth Terminal Test
- De-magnetizing Test



Circular Electromagnetic Chuck

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

Available Sizes

Model Code	Size (Dia. x H)	Pole gap	Pole Pitch
002-05-01	Dia.300 x100mm	4mm	14mm
002-05-02	Dia.400 x100mm	4mm	14mm
002-05-03	Dia.600 x100mm	4mm	14mm
002-05-04	Dia.750 x125mm	4mm	14mm
002-05-05	Dia.1000 x125mm	4mm	14mm
002-05-06	Dia.1200 x125mm	4mm	14mm

Accessories

Require D.C. Power supply unit and slip Ring Arrangement for operating above chucks.