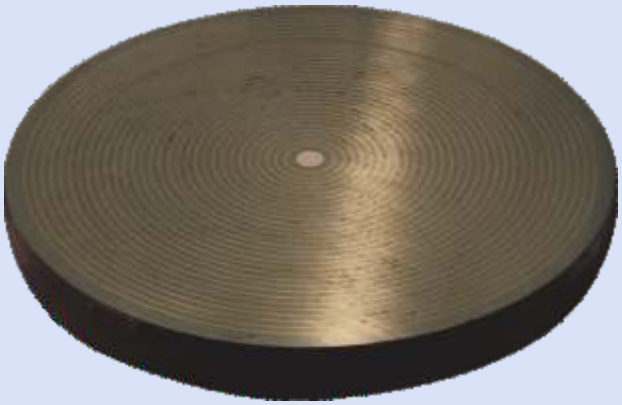
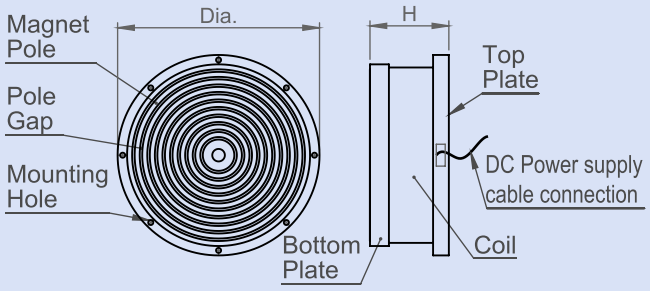
Magnetic Chucks for Grinding & Milling Operations

Circular Electromagnetic Chuck (For rotary grinding machine)

MagTECH ASSOCIATES
SINCE1996
Manufacturing Magnetic Product as per Clients Requirements





(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 slipering arrangement for external power supply to operating it.

Construction of Electromagnetic Chuck

a) Overall body:- Fabricated, using High. Permeability Steel.
b) Separation of pole :- using brass strips.
c) Conductor:- Enameled Copper wire.
d) Class of Insulation:- H class.
e) Winding Base- FRP Former.
f) Bounding :- Epoxy potting.
g) It operates on continuous D.C. supply.
h) Operating Through:- Operating Pendent.

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/Mag Demag Unit for operating above chucks.

Characteristics of Control Panel

a) Input: Power supply required:- 230 V A.C. supply.
b) Output: Operating voltage:- 110V D. C.Supply.
c) Panel safety Precaution:- Using Fuses on AC supply , DC supply and MCB.
d) Indication:- Main supply, Magnet ON and Demag cycle.

Inspection

Following tests are applied to inspect a chuck:-

1) Resistant to Earth Terminal Test
2) De-magnetizing Test
3) High Voltage Test
4) Leak Proof Test
5) Sleeping force Test as per IS : 8710-1978.

Magtech Associates

Mag Demag Unit with Pendent



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