Magnetic Chucks for Grinding & Milling Operations

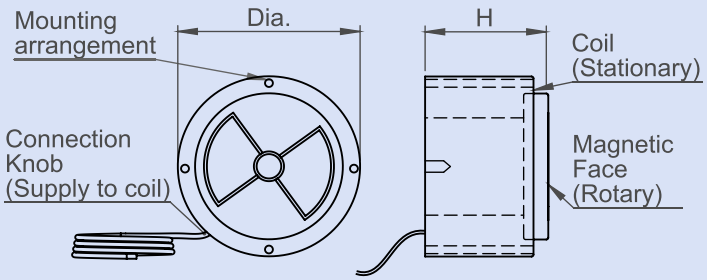
Circular Electromagnetic Chuck (For Cylindrical grinding machine)

SINCE1996

MagTECH ASSOCIATES

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. In this particular chuck the coil is stationery and middle part is connected with machine spindle.

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)
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/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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