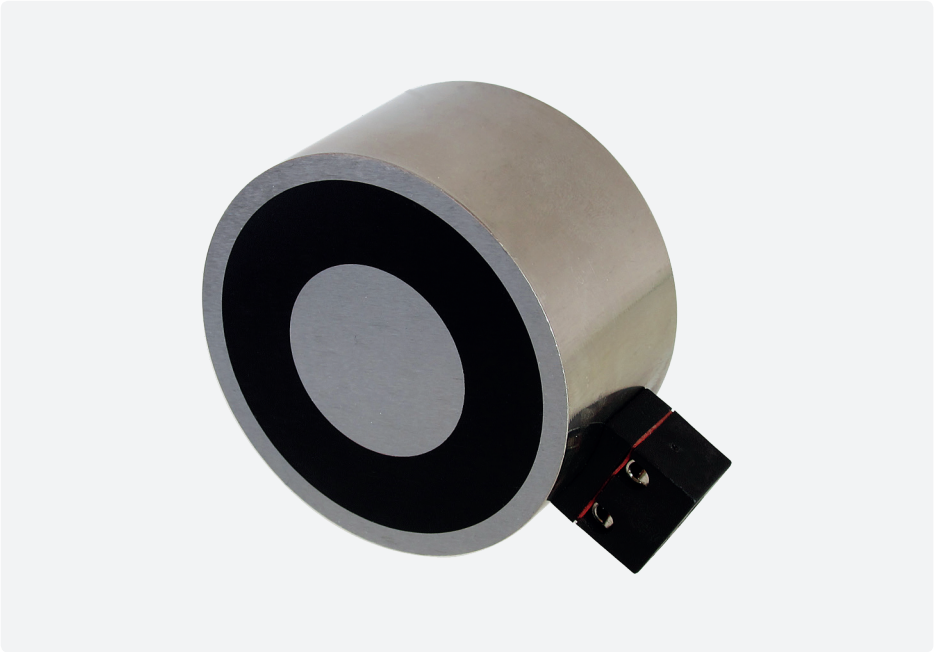
Electro-Holding Magnet: 100mm

Energise To Hold

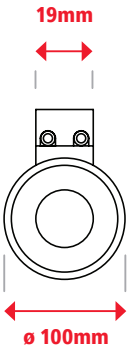
Technical Data

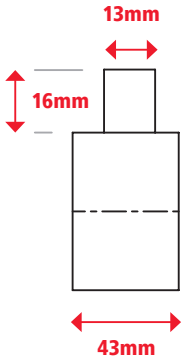
Mountings	Threaded holes in rear face
Finish	Bright nickel-plated with machined face
Weight	2200g
Typical Holding Force	3600N
ED Rating	100%
IP Rating	20
Standard Operating Voltage	12VDC M52184/12VDC 24VDC M52184/24VDC
Current	12V - 1850mA 24V - 940mA
Typical Power	22W
Connection Type	12VDC & 24VDC Two-pole connector

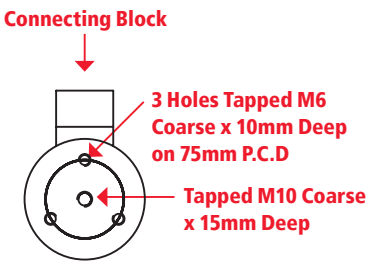


Recommended Armature Plate

Finish	Bright nickel-plated
Diameter	100mm
Height	12mm
Screw	M10
Part Number	M52171/100ARM
Weight	740g







Air Gap (mm)	Pull Force* (N)
0.00	3600
0.09	2790
0.18	2230
0.27	1610
0.36	1360
0.59	1340
1.00	470
1.59	260
2.00	150
4.00	60

*** +/- 10% at room temperature**

To achieve the optimum pull force 100% contact area must be achieved using the recommended armature plate. The force will be affected if other material specifications, thicknesses and surfaces are used, or if the armature fails to make positive contact over the full diameter of the face of the magnet.

Where misalignment is likely to be an issue we recommend that an oversized armature plate is used to ensure 100% full contact, this however will reduce the stated pull force by approximately 10%.

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