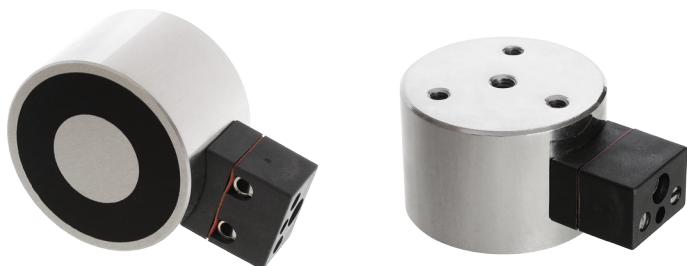


# Electro-holding magnet

## Energise to hold - 40mm diameter

12VDC or 24VDC Operating voltage

**Part numbers**  
M52174/12VDC  
M52174/24VDC



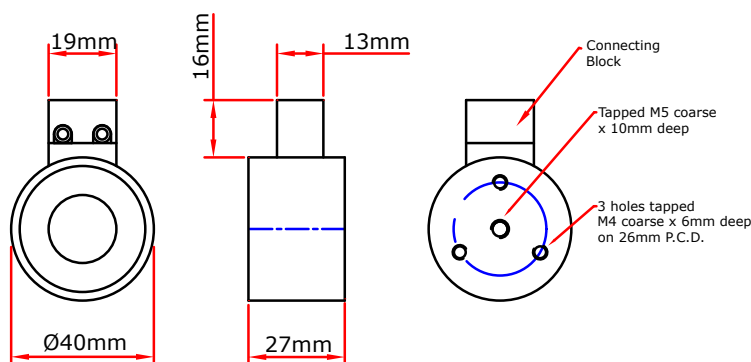
### Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	550
0.09	276
0.18	144
0.27	83
0.36	57
0.59	30
1.00	14
1.59	7
2.00	5
4.00	3

\* +/- 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%.

### Dimensions



If you have any more questions, require technical assistance and would like a quotation, simply contact us.

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While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.

### Description

<b>Mountings</b>	Threaded holes in rear face
<b>Finish</b>	Bright nickel plated with machined face
<b>Product weight</b>	210g

### Technical Data

<b>Typical holding force</b>	550N
<b>ED rating</b>	100%
<b>IP Rating</b>	20
<b>Standard operating voltage</b>	12VDC (M52174/12VDC) 24VDC (M52174/24VDC)
<b>Current</b>	12V - 440mA 24V - 230mA
<b>Power consumption</b>	5.50W

### Connection type

<b>12VDC and 24VDC</b>	Two-pole connector
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### Recommended armature plate



<b>Finish</b>	Bright nickel plated
<b>Diameter</b>	40mm
<b>Height</b>	5mm
<b>Screw</b>	M4
<b>Part No.</b>	M52171/40ARM
<b>Weight</b>	50g

