RMG - RMI | Flat retaining magnets

threaded or plain pass-through hole

METRIC · RoHS · ND

MATERIAL
Zinc-plated steel insert.

NO-SLIP COATING
Thermoplastic elastomer (TPE), hardness 80 Shore A.

STANDARD EXECUTION
(NdFeB) Neodymium- iron-boron retaining magnet, for temperatures up to 80°C.
- **RMG-ND-BK**: with no-slip coating in RAL 9011 black colour.
- **RMG-ND-WT**: with no-slip coating in RAL 9016 white colour.
- **RMI-ND-BK**: with no-slip coating in RAL 9011 black colour.
- **RMI-ND-WT**: with no-slip coating in RAL 9016 white colour.
See Guidelines for the choosing (on page 1180).

FEATURES AND APPLICATIONS
RMG-RMI flat retaining magnets are shielded magnetic systems with high performances and moderate overall dimensions.
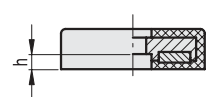The elastomer surface increases the friction coefficient when lateral retaining forces are present, giving a better adhesion. These magnets are preferably used for sensitive surfaces.
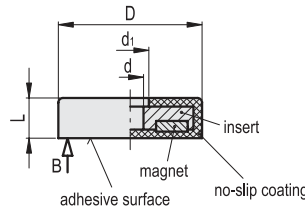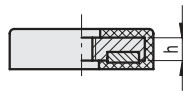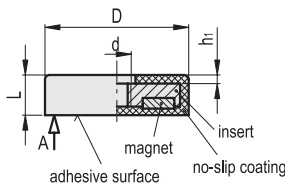

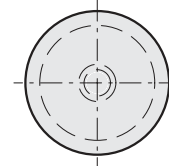**RMG-ND (D=22 / 43 / 66 / 88)**   **RMG-ND (D=31)**   **RMI-ND (D=22 / 57 / 66)**   **RMI-ND (D=31)**
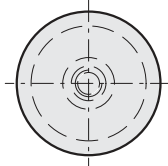
View on A   View on B

Conversion Table $1 mm = 0.039\ inch$			
D			
mm	inch	mm	inch
22	0.87	57	2.24
31	1.22	66	2.60
43	1.69	88	3.46

RMG-ND-BK   RMG-ND-WT   METRIC

Code	Description	Code	Description	D	d	L	h	h_1	Nominal adhesive forces* [N]	⚖
501601	RMG-ND-22-BK	501603	RMG-ND-22-WT	22	M4	6	4.5	0.8	38	9
501611	RMG-ND-31-BK	501613	RMG-ND-31-WT	31	M5	6	4.5	0.8	89	21
501621	RMG-ND-43-BK	501623	RMG-ND-43-WT	43	M4	6	4.5	0.8	100	29
501631	RMG-ND-66-BK	501633	RMG-ND-66-WT	66	M6	8.5	6	1.8	250	100
501641	RMG-ND-88-BK	501643	RMG-ND-88-WT	88	M6	8.5	6	1.8	550	186

RMI-ND-BK   RMI-ND-WT

Code	Description	Code	Description	D	d	L	h	d_1	Nominal adhesive forces* [N]	⚖
501801	RMI-ND-22-BK	501803	RMI-ND-22-WT	22	4	6	3.5	8.2	38	8
501811	RMI-ND-31-BK	501813	RMI-ND-31-WT	31	6	6	3.5	9	89	20
501821	RMI-ND-57-BK	501823	RMI-ND-57-WT	57	8	7.5	3.5	25.3	175	77
501831	RMI-ND-66-BK	501833	RMI-ND-66-WT	66	5.5	8.5	3.5	25	250	100

* The values of the nominal adhesive forces are approximate and refer to magnetic properties observed on laboratory samples.

Industrial magnets

1189

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