

MATERIAL

Housing and threaded pin in zinc-plated steel (RMB) or AISI 316L stainless steel (RMB-SST).

STANDARD EXECUTIONS

- **RMB-HF**: hard ferrite magnet, resistant to temperatures up to 200°C.
- **RMB-ND**: (NdFeB) Neodymium-iron-boron magnet, resistant to temperatures up to 80°C.
- **RMB-SC**: (SmCo) Samarium cobalt magnet, resistant to temperatures up to 200°C.
- **RMB-SC-SST**: (SmCo) Samarium cobalt magnet, resistant to temperatures up to 350°C.

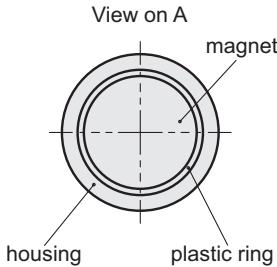
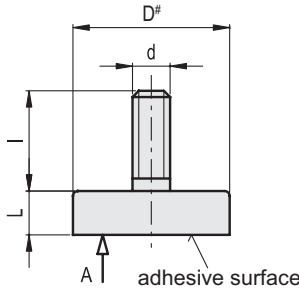
Retaining magnets technical data (on page 1052).

FEATURES AND APPLICATIONS

RMB flat retaining magnets are shielded magnetic systems with high performances and moderate overall dimensions.



Conversion Table 1 mm = 0.039 inch			
D		D	
mm	inch	mm	inch
6	0.24	32	1.26
8	0.31	40	1.57
10	0.39	47	1.85
13	0.51	57	2.24
16	0.63	63	2.48
20	0.79	80	3.15
25	0.98		



RMB-HF

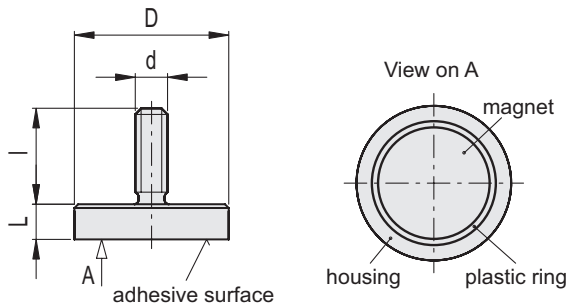
Code	Description	D	d	L	I	Nominal adhesive forces* [N]	⚖
501101	RMB-HF-10-M3	10 ±0.1	M3	4.5 +0.2/-0.1	7 ±0.5	4	2
501103	RMB-HF-13-M3	13 ±0.1	M3	4.5 +0.2/-0.1	7 ±0.5	10	3
501105	RMB-HF-16-M3	16 ±0.1	M3	4.5 +0.2/-0.1	7 ±0.5	18	5
501107	RMB-HF-20-M3	20 ±0.1	M3	6 +0.2/-0.1	7 ±0.5	30	10
501109	RMB-HF-25-M4	25 ±0.1	M4	7 +0.3/-0.1	8 ±0.5	40	19
501111	RMB-HF-32-M4	32 ±0.1	M4	7 +0.3/-0.1	8 ±0.5	80	30
501113	RMB-HF-47-M6	47 +0.2/-0.1	M6	9 +0.5/-0.1	8 ±0.5	180	85
501114	RMB-HF-57-M6	57 +0.2/-0.1	M6	10.5 +0.5/-0.2	8 ±0.5	280	146
501115	RMB-HF-63-M6	63 +0.3/-0.1	M6	14 +0.5/-0.1	15 ±0.5	350	233
501117	RMB-HF-80-M8	80 +0.3/-0.1	M8	10 +0.5/-0.2	13 ±0.5	600	269

RMB-ND

Code	Description	D	d	L	I	Nominal adhesive forces* [N]	⚖
501127	RMB-ND-06-M3	6 ±0.1	M3	4.5 ±0.1	7	5	2
501129	RMB-ND-08-M4	8 ±0.1	M4	4.5 ±0.1	8	13	3
501131	RMB-ND-10-M4	10 ±0.1	M4	4.5 ±0.1	8	25	3
501133	RMB-ND-13-M5	13 ±0.1	M5	4.5 ±0.1	8	60	6
501135	RMB-ND-16-M6	16 ±0.1	M6	4.5 ±0.1	8	95	8
501136	RMB-ND-20-M5	20 ±0.2	M5	6 +0.2/-0.1	8	155	15
501137	RMB-ND-20-M6	20 ±0.1	M6	6 ±0.1	10	140	15
501139	RMB-ND-25-M6	25 ±0.1	M6	7 ±0.2	10	200	15
501141	RMB-ND-32-M6	32 ±0.1	M6	7 ±0.2	10	350	42
501143	RMB-ND-40-M8	40 ±0.1	M8	8 ±0.2	12	670	80
501145	RMB-ND-47-M8	47 +0.2/-0.1	M8	9.2 +0.2/-0.3	13	790	112

Connected surface (only for RMB-ND-20-M5)

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

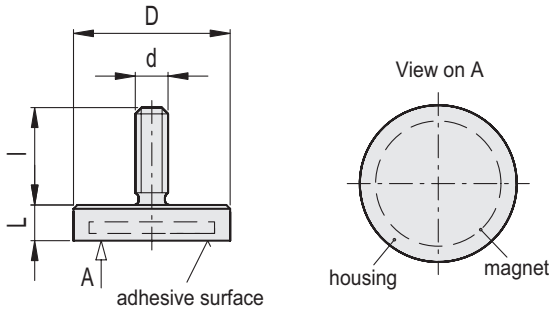


RMB-SC

METRIC

Code	Description	D±0.1	d	L	l	Nominal adhesive forces* [N]	⚖
503411	RMB-SC-8-M4	8	M4	4.5 ±0.1	8	11	2
503412	RMB-SC-10-M4	10	M4	4.5 ±0.1	8	20	3
503413	RMB-SC-13-M5	13	M5	4.5 ±0.1	8	40	6
503414	RMB-SC-16-M6	16	M6	4.5 ±0.1	8	60	8
503415	RMB-SC-20-M6	20	M6	6 ±0.1	10	90	18
503416	RMB-SC-25-M6	25	M6	7 ±0.2	10	150	28
503417	RMB-SC-32-M6	32	M6	7 ±0.2	10	220	42
503418	RMB-SC-40-M8	40	M8	8 ±0.2	12	580	82

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RMB-SC-SST

INOX STAINLESS STEEL

METRIC

Code	Description	D+0.2 -0.2	d	L+0.2 -0.2	l	Nominal adhesive forces* [N]	⚖
503421	RMB-SC-SST-16-M6	16	M6	7	8	6.5	12
503422	RMB-SC-SST-20-M6	20	M6	7.5	10	20	20
503423	RMB-SC-SST-25-M6	25	M6	7.5	10	30	30
503424	RMB-SC-SST-32-M6	32	M6	8	10	77	51

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

