



**STANDARD EXECUTIONS**

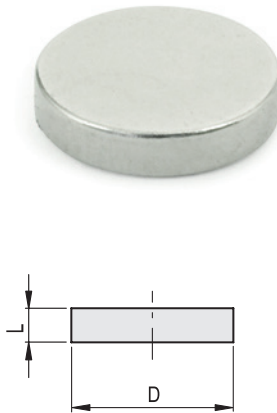
- **RMA-US-SC:** (SmCo) Samarium cobalt magnet, resistant to temperatures up to 200°C.
  - **RMA-US-ND:** (NdFeB) Neodymium- iron-boron magnet, resistant to temperatures up to 80°C, nickel-plated finish.
- See Guidelines for the choosing (on page 1180).

**FEATURES AND APPLICATIONS**

RMA-US retaining magnets are unshielded round magnets. They are mostly attached by gluing. When used without air gap, RMA-US unshielded magnets have lower adhesive forces than the magnet systems RMA (see page 1182) in which magnetic shielding increases enormously the intensity of the adhesive force acting on the surface.

**SPECIAL EXECUTIONS ON REQUEST**

- Retaining magnet made of ferrite, resistant to temperatures up to 200°C.



Conversion Table			
1 mm = 0.039 inch			
D		B	
mm	inch	mm	inch
4	0.16	7.5	0.29
5	2.20	10	0.39
6	0.24	12	0.47
8	0.31	16	0.63
10	0.39	18	0.71
12	0.47	26	1.02
15	0.59	33	1.30
18	0.71		
20	0.79		
24	0.94		

**RMA-US-SC**

**METRIC**

Code	Description	D $\pm$ 0.1	L $\pm$ 0.1	Nominal adhesive forces* [N]	⚖️
501091	RMA-US-SC-4-3	4	3	2.5	1
501092	RMA-US-SC-5-3	5	3	3.5	1
501093	RMA-US-SC-6-3	6	3	4	1
501094	RMA-US-SC-8-3	8	3	8	1
501095	RMA-US-SC-10-3	10	3	10	2
501096	RMA-US-SC-12-3	12	3	11	3
501097	RMA-US-SC-15-3	15	3	16	4
501098	RMA-US-SC-18-3	18	3	25	6
501099	RMA-US-SC-24-3	24	3	36	11

**RMA-US-ND**

Code	Description	D $\pm$ 0.1	L $\pm$ 0.1	Nominal adhesive forces* [N]	⚖️
501081	RMA-US-ND-4-3	4	3	4	1
501082	RMA-US-ND-5-3	5	3	5	1
501083	RMA-US-ND-6-3	6	3	7.5	1
501084	RMA-US-ND-8-3	8	3	13	1
501085	RMA-US-ND-10-3	10	3	15	2
501086	RMA-US-ND-12-3	12	3	20	2
501087	RMA-US-ND-15-3	15	3	28	4
501088	RMA-US-ND-18-3	18	3	35	5
501089	RMA-US-ND-20-3	20	3	42	7
501090	RMA-US-ND-24-3	24	3	55	10

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



**STANDARD EXECUTION**

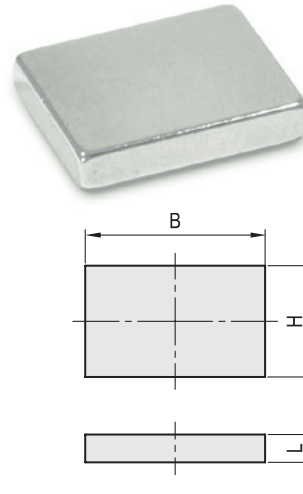
- **RMX-US-SC:** (SmCo) Samarium cobalt magnet, resistant to temperatures up to 200°C.
  - **RMX-US-ND:** (NdFeB) Neodymium- iron-boron magnet, resistant to temperatures up to 80°C, nickel-plated finish.
- Technical Data (on page 1180).

**FEATURES AND APPLICATIONS**

RMX-US retaining magnets are unshielded flat magnets. They are mostly attached by gluing. When used without air gap, RMX-US unshielded magnets have lower adhesive forces than the magnet systems RMA (see page 1182) in which magnetic shielding increases enormously the intensity of the adhesive force acting on the surface.

**SPECIAL EXECUTIONS ON REQUEST**

- Retaining magnet made of ferrite, resistant to temperatures up to 200°C.
- Other dimensions.



**RMX-US-SC**

**METRIC**

Code	Description	B $\pm$ 0.1	H $\pm$ 0.1	L $\pm$ 0.1	Nominal adhesive forces* [N]	⚖️
503231	RMX-US-SC-7.5-4-1.5	7.5	4	1.5	3.4	1
503233	RMX-US-SC-7.5-6-2	7.5	6	2	5	1
503235	RMX-US-SC-10-7.5-2	10	7.5	2.5	7.5	1
503237	RMX-US-SC-12-9.5-2.5	12	9.5	2.5	11	2
503239	RMX-US-SC-16-12.5-2.5	16	12.5	2.5	15	4
503241	RMX-US-SC-18-16.5-4	18	16.5	4	29	10
503243	RMX-US-SC-26-20.3-5	26	20.3	5	51	22
503245	RMX-US-SC-33-26.3-6.5	33	26.3	6.5	85	47

**RMX-US-ND**

Code	Description	B $\pm$ 0.1	H $\pm$ 0.1	L $\pm$ 0.1	Nominal adhesive forces* [N]	⚖️
503201	RMX-US-ND-7.5-4-1.5	7.5	4	1.5	5	1
503203	RMX-US-ND-7.5-6-2	7.5	6	2	8	1
503205	RMX-US-ND-10-7.5-2	10	7.5	2	11	1
503207	RMX-US-ND-12-9.5-2.5	12	9.5	2.5	17	2
503209	RMX-US-ND-16-12.5-2.5	16	12.5	2.5	24	4
503211	RMX-US-ND-18-16.5-4	18	16.5	4	50	9
503213	RMX-US-ND-26-20.3-5	26	20.3	5	77	20
503215	RMX-US-ND-33-26.3-6.5	33	26.3	6.5	125	42

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

