

STANDARD EXECUTIONS

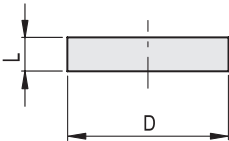
- **RMA-US-SC:** (SmCo) Samarium cobalt magnet, resistant to temperatures up to 350°C.
 - **RMA-US-ND:** (NdFeB) Neodymium- iron-boron magnet, resistant to temperatures up to 80°C, nickel-plated finish.
 - **RMA-US-HF:** hard ferrite magnet, resistant to temperatures up to 250°C.
- Retaining magnets technical data (on page 1052).

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) in which magnetic shielding increases enormously the intensity of the adhesive force acting on the surface.



Conversion Table				Conversion Table			
1 mm = 0.039 inch				1 mm = 0.039 inch			
D		D		D		D	
mm	inch	mm	inch	mm	inch	mm	inch
4	0.16	12	0.47	10.7	0.42	40	1.56
5	0.20	15	0.59	17.2	0.67	51	1.99
6	0.23	18	0.70	21.5	0.84	70	2.73
7	0.27	20	0.78	30	1.17	87	3.39
8	0.31	24	0.94	30.2	1.18	108	4.21
10	0.39	25	0.98				
11	0.43	28	1.09				



RMA-US-SC

Code	Description	D±0.1	L±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
503401	RMA-US-SC-7-3	7	3	6	1
501094	RMA-US-SC-8-3	8	3	8	1
501095	RMA-US-SC-10-3	10	3	10	2
503402	RMA-US-SC-11-3.5	11	3.5	12	2.8
501096	RMA-US-SC-12-3	12	3	11	4
501097	RMA-US-SC-15-3	15	3	16	6
501098	RMA-US-SC-18-3	18	3	25	8
503403	RMA-US-SC-20-4	20	4	32	10
501099	RMA-US-SC-24-3	24	3	36	12
503404	RMA-US-SC-25-4	25	4	41	16

RMA-US-ND

Code	Description	D±0.1	L±0.1	Nominal adhesive forces*	
				[N]	⚖
501081	RMA-US-ND-4-3	4	3	4	5
501082	RMA-US-ND-5-3	5	3	5	5
501083	RMA-US-ND-6-3	6	3	7.5	7
501084	RMA-US-ND-8-3	8	3	13	2
501085	RMA-US-ND-10-3	10	3	15	2
501086	RMA-US-ND-12-3	12	3	20	3
501087	RMA-US-ND-15-3	15	3	28	5
501088	RMA-US-ND-18-3	18	3	35	8
501089	RMA-US-ND-20-3	20	3	42	9
501090	RMA-US-ND-24-3	24	3	55	13

RMA-US-HF

Code	Description	D	L±0.1	Nominal adhesive forces*	
				[N]	⚖
503381	RMA-US-HF-8-4	8 +0.5/0	4	1.7	1
503382	RMA-US-HF-11-4	10.7 +0.3/0	4	2.5	1
503383	RMA-US-HF-17.2-5,3	17.2 ±0.3	5.3	4	5
503384	RMA-US-HF-20-6	20 ±0.4	6	6	9
503385	RMA-US-HF-22-6	21.5 ±0.3	6	7.5	11
503386	RMA-US-HF-28-6	28 ±0.5	6	10	18
503387	RMA-US-HF-30-10	30.2 0/-0.8	10.3	16	36
503388	RMA-US-HF-30-6	30 ±0.5	6	11	20
503389	RMA-US-HF-40-7	40 ±0.8	7	19	45
503390	RMA-US-HF-51-8.4	51 ±1	8.4	24	90
503391	RMA-US-HF-70-15	70 ±1.5	15	71	280
503392	RMA-US-HF-87-18	87 ±1.5	18	85	500
503393	RMA-US-HF-108-21	108 0/-1	21	100	920

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