

STANDARD EXECUTION

- **RMX-US-SC:** (SmCo) Samarium cobalt magnet, resistant to temperatures up to 350°C.
- **RMX-US-ND:** (NdFeB) Neodymium- iron-boron magnet, resistant to temperatures up to 80°C, nickel-plated finish.
- **RMX-US-HF:** hard ferrite magnet, resistant to temperatures up to 250°C.

Retaining magnets technical data (on page 1052).

FEATURES AND APPLICATIONS

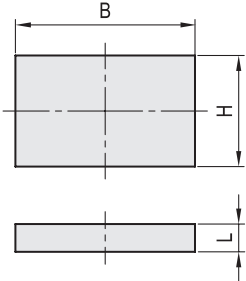
RMX-US retaining magnets are unshielded flat magnets.

They are mostly attached by gluing.

When used without an air gap, RMX-US unshielded magnets have weaker attractive forces than magnetic systems where magnetic shielding significantly increases the strength of the attractive force acting on the surface.



Conversion Table			
1 mm = 0.039 inch			
B		B	
mm	inch	mm	inch
7.5	0.29	30	1.17
10	0.39	33	1.29
12	0.47	40	1.56
16	0.62	43	1.68
18	0.70	45	1.76
25	0.98	49.5	1.93
26	1.01	75.5	2.94



METRIC

RMX-US-SC

Code	Description	B±0.1	H±0.1	L±0.1	Nominal adhesive forces* [N]	⚖️
503231	RMX-US-SC-7.5-4-1.5	7.5	4	1.5	3.4	2
503233	RMX-US-SC-7.5-6-2	7.5	6	2	5	2
503235	RMX-US-SC-10-7.5-2	10	7.5	2	7.5	3
503237	RMX-US-SC-12-9.5-2.5	12	9.5	2.5	11	4
503239	RMX-US-SC-16-12.5-2.5	16	12.5	2.5	15	5
503241	RMX-US-SC-18-16.5-4	18	16.5	4	29	12
503243	RMX-US-SC-26-20.3-5	26	20.3	5	51	31
503245	RMX-US-SC-33-26.3-6.5	33	26.3	6.5	85	59

RMX-US-ND

Code	Description	B±0.1	H±0.1	L±0.1	Nominal adhesive forces* [N]	⚖️
503201	RMX-US-ND-7.5-4-1.5	7.5	4	1.5	5	2
503203	RMX-US-ND-7.5-6-2	7.5	6	2	8	2
503205	RMX-US-ND-10-7.5-2	10	7.5	2	11	2
503207	RMX-US-ND-12-9.5-2.5	12	9.5	2.5	17	3
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	11
503213	RMX-US-ND-26-20.3-5	26	20.3	5	77	27
503215	RMX-US-ND-33-26.3-6.5	33	26.3	6.5	125	57

RMX-US-HF

Code	Description	B	H	L	Nominal adhesive forces* [N]	⚖️
503171	RMX-US-HF-12-10.5-7	12 ±0.3	10.5 ±0.2	7 ±0.1	4	4
503172	RMX-US-HF-25-9-5	25 ±0.3	9 ±0.2	5 ±0.1	5	5
503173	RMX-US-HF-30-10-6	30 ±0.5	10 ±0.3	6 ±0.1	7	8
503174	RMX-US-HF-40-10-4	40 +1/-1	10 ±0.3	4 ±0.1	6.5	7
503175	RMX-US-HF-40-18-6	40 +0.1/-0.2	18 +0.1/-0.2	6 ±0.1	11	21
503176	RMX-US-HF-43-10-3.8	43 +0/-0.5	10 ±0.2	3.8 ±0.1	6	78
503177	RMX-US-HF-45-12-6	45 ±0.5	12 ±0.3	6 ±0.1	10	16
503178	RMX-US-HF-49.5-9.3-4.9	49.5 ±0.5	9.3 ±0.3	4.9 -0.1/-0.2	10	12
503179	RMX-US-HF-75.5-14-9.8	75.5 ±1.5	14 ±0.1	9.8 0/-0.1	28	50

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