

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.

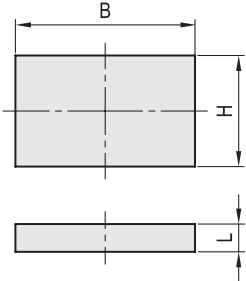
Retaining magnets technical data (on page 1052).

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.



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.