



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.

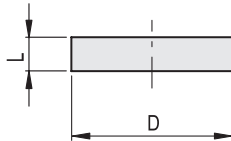
Retaining magnets technical data (on page 1052).

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.



RMA-US-SC

| Code   | Description      | D±0.1 | L±0.1 | Nominal adhesive forces*<br>[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*<br>[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*<br>[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.