Flat rectangular retaining magnets

with threaded insert

RoHS ND

MATERIAL

Zinc-plated steel threaded insert.

NO-SLIP COATING

Thermoplastic elastomer (TPE), hardness 80 shore A.

STANDARD EXECUTION

Neodymium-iron-boron (NdFeB) magnet, for temperatures up to 80°C (60°C for RMS-43x31).
With threaded insert:
- **RMS-ND-1-BK**: with no-slip coating in RAL 9011 black colour.
- **RMS-ND-1-WT**: with no-slip coating in RAL 9016 white colour.

With recessed threaded insert:
- **RMS-ND-I-1-BK**: with no-slip coating in RAL 9011 black colour.
- **RMS-ND-I-1-WT**: with no-slip coating in RAL 9016 white colour.

With two threaded inserts:
- **RMS-ND-2-BK**: with no-slip coating in RAL 9011 black colour.
- **RMS-ND-2-WT**: with no-slip coating in RAL 9016 white colour.

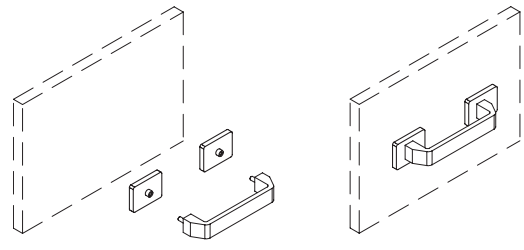
With two recessed threaded inserts:
- **RMS-ND-I-2-BK**: with no-slip coating in RAL 9011 black colour.
- **RMS-ND-I-2-WT**: with no-slip coating in RAL 9016 white colour.

Retaining magnets technical data (on page 1052).

FEATURES AND APPLICATIONS

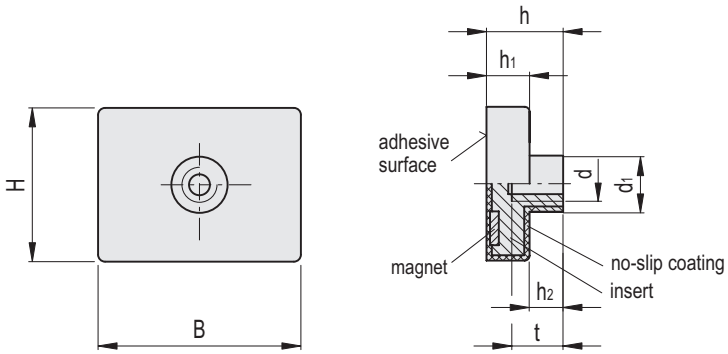
RMS flat rectangular retaining magnets are shielded magnetic systems with high performances and moderate overall dimensions.
The configuration with recessed bushing (RMS-ND-I) allows for fixing without visible protrusions, also improving the aesthetic result.
The elastomer surface increases the friction coefficient when lateral retaining forces are present, giving a better adhesion. These magnets are preferably used for sensitive surfaces.





elesa 12/2025

Models all rights reserved in accordance with the law. Always mention the source when reproducing our drawings and photos.



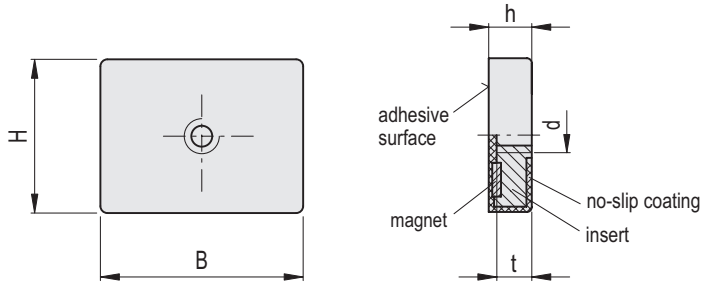
RMS-ND-1-BK

Code	Description	B	d	H	h ±0.2	h1±0.2	h2	d1	t	Nominal adhesive forces* [N]	⚖
502947	RMS-ND-35x22,5-1-BK	35 ±0.2	M4	22.5 ±0.2	11	6	5	8	6	93	22
502964	RMS-ND-43x31-1-BK	43 ±0.3	M4	31 ±0.2	7	6	1	10	4.5	105	28
502952	RMS-ND-55x22,5-1-BK	55 ±0.2	M4	22.5 ±0.2	11	6	5	8	6	140	32
502981	RMS-ND-59x45-1-BK	59 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	9	240	85
502985	RMS-ND-74x45-1-BK	74 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	9	360	108
502956	RMS-ND-75x22,5-1-BK	75 ±0.3	M4	22.5 ±0.2	11	6	5	8	6	205	47
502989	RMS-ND-110x45-1-BK	110 ±0.3	M6	45 ±0.3	14.7	8.5	6.2	10	9	530	156

RMS-ND-1-WT

Code	Description	B	d	H	h ±0.2	h1±0.2	h2	d1	t	Nominal adhesive forces* [N]	⚖
502948	RMS-ND-35x22,5-1-WT	35 ±0.2	M4	22.5 ±0.2	11	6	5	8	6	93	22
502965	RMS-ND-43x31-1-WT	43 ±0.3	M4	31 ±0.2	7	6	1	10	4.5	105	28
502953	RMS-ND-55x22,5-1-WT	55 ±0.2	M4	22.5 ±0.2	11	6	5	8	6	140	32
502982	RMS-ND-59x45-1-WT	59 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	9	240	85
502986	RMS-ND-74x45-1-WT	74 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	9	360	108
502957	RMS-ND-75x22,5-1-WT	75 ±0.3	M4	22.5 ±0.2	11	6	5	8	6	205	46
502990	RMS-ND-110x45-1-WT	110 ±0.3	M6	45 ±0.3	14.7	8.5	6.2	10	9	530	156

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



RMS-ND-I-1-BK

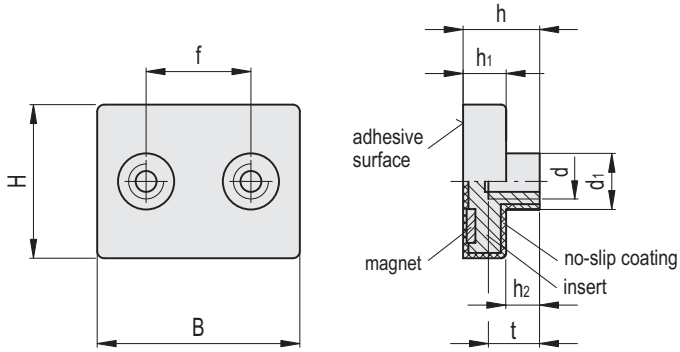
Code	Description	B	d	H	h ±0.2	t	Nominal adhesive forces* [N]	⚖
502771	RMS-ND-I-35x22,5-1-BK	35 ±0.2	M4	22.5 ±0.2	6	4	75	18
502775	RMS-ND-I-55x22,5-1-BK	55 ±0.2	M4	22.5 ±0.2	6	4	120	29
502783	RMS-ND-I-59x45-1-BK	59 ±0.3	M5	45 ±0.3	8.5	4.5	240	80
502787	RMS-ND-I-74x45-1-BK	74 ±0.3	M6	45 ±0.3	8.5	4.5	360	102
502779	RMS-ND-I-75x22,5-1-BK	75 ±0.3	M4	22.5 ±0.2	6	4	195	41
502791	RMS-ND-I-110x45-1-BK	110 ±0.3	M6	45 ±0.3	8.5	4.5	530	155

RMS-ND-I-1-WT

Code	Description	B	d	H	h ±0.2	t	Nominal adhesive forces* [N]	⚖
502772	RMS-ND-I-35x22,5-1-WT	35 ±0.2	M4	22.5 ±0.2	6	4	75	18
502776	RMS-ND-I-55x22,5-1-WT	55 ±0.2	M4	22.5 ±0.2	6	4	120	29
502784	RMS-ND-I-59x45-1-WT	59 ±0.3	M5	45 ±0.3	8.5	4.5	240	80
502788	RMS-ND-I-74x45-1-WT	74 ±0.3	M6	45 ±0.3	8.5	4.5	360	102
502780	RMS-ND-I-75x22,5-1-WT	75 ±0.3	M4	22.5 ±0.2	6	4	195	41
502792	RMS-ND-I-110x45-1-WT	110 ±0.3	M6	45 ±0.3	8.5	4.5	530	155

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

Models all rights reserved in accordance with the law. Always mention the source when reproducing our drawings and photos.



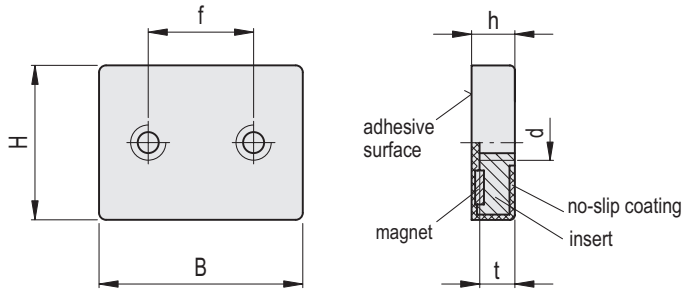
RMS-ND-2-BK

Code	Description	B	d	H	h ±0.2	h1±0.2	h2	d1	f	t	Nominal adhesive forces* [N]	⚖
502949	RMS-ND-35x22,5-2-BK	35 ±0.2	M4	22.5 ±0.2	11	6	5	8	17	6	93	23
502966	RMS-ND-43x31-2-BK	43 ±0.3	M4	31 ±0.2	7	6	1	10	25	4.5	146	28
502954	RMS-ND-55x22,5-2-BK	55 ±0.2	M4	22.5 ±0.2	11	6	5	8	30	6	140	33
502983	RMS-ND-59x45-2-BK	59 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	27	9	240	90
502987	RMS-ND-74x45-2-BK	74 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	36	9	360	113
502958	RMS-ND-75x22,5-2-BK	75 ±0.3	M4	22.5 ±0.2	11	6	5	8	50	6	205	48
502991	RMS-ND-110x45-2-BK	110 ±0.3	M6	45 ±0.3	14.7	8.5	6.2	10	68	9	530	161

RMS-ND-2-WT

Code	Description	B	d	H	h ±0.2	h1±0.2	h2	d1	f	t	Nominal adhesive forces* [N]	⚖
502950	RMS-ND-35x22,5-2-WT	35 ±0.2	M4	22.5 ±0.2	11	6	5	8	17	6	93	23
502967	RMS-ND-43x31-2-WT	43 ±0.3	M4	31 ±0.2	7	6	1	10	25	4.5	146	28
502955	RMS-ND-55x22,5-2-WT	55 ±0.2	M4	22.5 ±0.2	11	6	5	8	30	6	140	33
502984	RMS-ND-59x45-2-WT	59 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	27	9	240	90
502988	RMS-ND-74x45-2-WT	74 ±0.3	M5	45 ±0.3	14.7	8.5	6.2	10	36	9	360	113
502959	RMS-ND-75x22,5-2-WT	75 ±0.3	M4	22.5 ±0.2	11	6	5	8	30	6	205	33
502992	RMS-ND-110x45-2-WT	110 ±0.3	M6	45 ±0.3	14.7	8.5	6.2	10	68	9	530	161

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



RMS-ND-I-2-BK

Code	Description	B	d	H	h ±0.2	f	t	Nominal adhesive forces* [N]	⚖
502773	RMS-ND-I-35x22,5-2-BK	35 ±0.2	M4	22.5 ±0.2	6	17	4	75	19
502777	RMS-ND-I-55x22,5-2-BK	55 ±0.2	M4	22.5 ±0.2	6	30	4	120	31
502785	RMS-ND-I-59x45-2-BK	59 ±0.3	M5	45 ±0.3	8.5	27	4.5	240	82
502789	RMS-ND-I-74x45-2-BK	74 ±0.3	M6	45 ±0.3	8.5	36	4.5	360	104
502781	RMS-ND-I-75x22,5-2-BK	75 ±0.3	M4	22.5 ±0.2	6	50	4	195	43
502793	RMS-ND-I-110x45-2-BK	110 ±0.3	M6	45 ±0.3	8.5	68	4.5	530	157

RMS-ND-I-2-WT

Code	Description	B	d	H	h ±0.2	f	t	Nominal adhesive forces* [N]	⚖
502774	RMS-ND-I-35x22,5-2-WT	35 ±0.2	M4	22.5 ±0.2	6	17	4	75	19
502778	RMS-ND-I-55x22,5-2-WT	55 ±0.2	M4	22.5 ±0.2	6	30	4	120	31
502786	RMS-ND-I-59x45-2-WT	59 ±0.3	M5	45 ±0.3	8.5	27	4.5	240	82
502790	RMS-ND-I-74x45-2-WT	74 ±0.3	M6	45 ±0.3	8.5	36	4.5	360	104
502782	RMS-ND-I-75x22,5-2-WT	75 ±0.3	M4	22.5 ±0.2	6	50	4	195	43
502794	RMS-ND-I-110x45-2-WT	110 ±0.3	M6	45 ±0.3	8.5	68	4.5	530	157

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

Models all rights reserved in accordance with the law. Always mention the source when reproducing our drawings and photos.