

MATERIAL

(NdFeB) Neodymium-iron-boron retaining magnet, for temperatures up to 80°C.

Zinc-plated steel insert.

NO-SLIP COATING

Thermoplastic elastomer (TPE), hardness 80 shore A.

STANDARD EXECUTION

A pass-through hole for flat countersunk head screw:

- **RMS-SH-ND-1-BK**: No-slip coating in RAL 9011 black colour.
- **RMS-SH-ND-1-WT**: No-slip coating in RAL 9016 white colour .

Two through holes for countersunk-head screws:

- **RMS-SH-ND-2-BK**: No-slip coating in RAL 9011 black colour.
- **RMS-SH-ND-2-WT**: No-slip coating in RAL 9016 white colour .

Retaining magnets technical data (on page 1052).

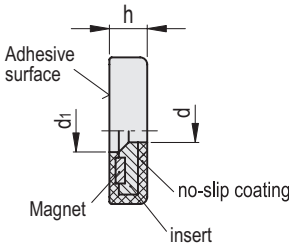
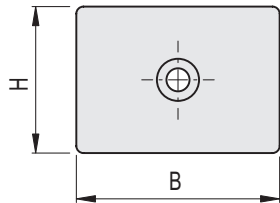
FEATURES AND APPLICATIONS

RMS-SH flat rectangular retaining magnets are shielded magnetic systems with high performances and moderate overall dimensions.

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.



Conversion Table	
1 mm = 0.039 inch	
B	
mm	inch
35	1.37
55	2.15
59	2.30
74	2.89
75	2.93
110	4.29



RMS-SH-ND-1-BK

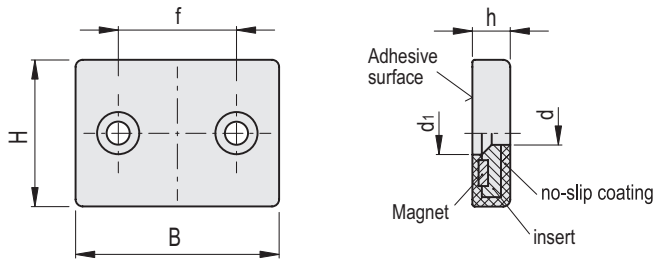
Code	Description	B	d	H	h ±0.2	d1	Nominal adhesive forces* [N]	⚖
503461	RMS-SH-ND-35x22,5-4-1-BK	35±0.2	4.3	22,5±0.2	6	8	75	18
503463	RMS-SH-ND-55x22,5-4-1-BK	55±0.2	4.3	22,5±0.2	6	8	120	30
503469	RMS-SH-ND-75x22,5-4-1-BK	75±0.3	4.3	22,5±0.2	6	8	195	41
503465	RMS-SH-ND-59x45-5-1-BK	59±0.3	5.5	45±0.3	8.5	12	240	79
503467	RMS-SH-ND-74x45-6-1-BK	74±0.3	6.5	45±0.3	8.5	12	360	101
503471	RMS-SH-ND-110x45-6-1-BK	110±0.3	6.5	45±0.3	8.5	12	530	154

RMS-SH-ND-1-WT

Code	Description	B	d	H	h ±0.2	d1	Nominal adhesive forces* [N]	⚖
503462	RMS-SH-ND-35x22,5-4-1-WT	35±0.2	4.3	22,5±0.2	6	8	75	18
503464	RMS-SH-ND-55x22,5-4-1-WT	55±0.2	4.3	22,5±0.2	6	8	120	30
503470	RMS-SH-ND-75x22,5-4-1-WT	75±0.3	4.3	22,5±0.2	6	8	195	41
503466	RMS-SH-ND-59x45-5-1-WT	59±0.3	5.5	45±0.3	8.5	12	240	79
503468	RMS-SH-ND-74x45-6-1-WT	74±0.3	6.5	45±0.3	8.5	12	360	101
503472	RMS-SH-ND-110x45-6-1-WT	110±0.3	6.5	45±0.3	8.5	12	530	154

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

Conversion Table	
1 mm = 0.039 inch	
B	
mm	inch
35	1.37
55	2.15
59	2.30
74	2.89
75	2.93
110	4.29



RMS-SH-ND-2-BK

METRIC

Code	Description	B	d	H	h ±0.2	d1	f	Nominal adhesive forces* [N]	⚖
503473	RMS-SH-ND-35x22,5-4-2-BK	35±0.2	4.3	22,5±0.2	6	8	17	75	19
503475	RMS-SH-ND-55x22,5-4-2-BK	55±0.2	4.3	22,5±0.2	6	8	30	120	31
503481	RMS-SH-ND-75x22,5-4-2-BK	75±0.3	4.3	22,5±0.2	6	8	50	195	43
503477	RMS-SH-ND-59x45-5-2-BK	59±0.3	5.5	45±0.3	8.5	12	27	240	80
503479	RMS-SH-ND-74x45-6-2-BK	74±0.3	6.5	45±0.3	8.5	12	36	360	102
503483	RMS-SH-ND-110x45-6-2-BK	110±0.3	6.5	45±0.3	8.5	12	68	530	155

RMS-SH-ND-2-WT

Code	Description	B	d	H	h ±0.2	d1	f	Nominal adhesive forces* [N]	⚖
503474	RMS-SH-ND-35x22,5-4-2-WT	35±0.2	4.3	22,5±0.2	6	8	17	75	19
503476	RMS-SH-ND-55x22,5-4-2-WT	55±0.2	4.3	22,5±0.2	6	8	30	120	31
503482	RMS-SH-ND-75x22,5-4-2-WT	75±0.3	4.3	22,5±0.2	6	8	50	195	43
503478	RMS-SH-ND-59x45-5-2-WT	59±0.3	5.5	45±0.3	8.5	12	27	240	80
503480	RMS-SH-ND-74x45-6-2-WT	74±0.3	6.5	45±0.3	8.5	12	36	360	102
503484	RMS-SH-ND-110x45-6-2-WT	110±0.3	6.5	45±0.3	8.5	12	68	530	155

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

