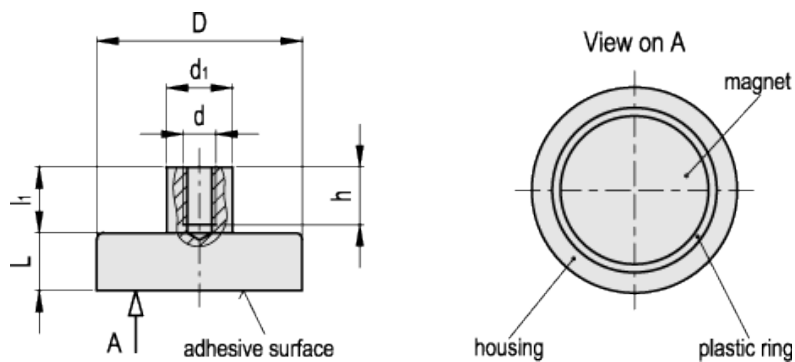


RMC

Flat retaining magnets with threaded hole insert



Elesa Standards		Main dimensions						Nominal adhesive forces *	Weight
Code	Description	D	L	d	h	d ₁	l ₁	[N]	g
501201	RMC-HF-10-M3	10 _{+0.1/-0.1}	4.5 _{+0.2/-0.1}	M3	5	6 _{+0.1/-0.1}	7	4	3
501203	RMC-HF-13-M3	13 _{+0.1/-0.1}	4.5 _{+0.2/-0.1}	M3	5	6 _{+0.1/-0.1}	7	10	4
501205	RMC-HF-16-M3	16 _{+0.1/-0.1}	4.5 _{+0.2/-0.1}	M3	5	6 _{+0.1/-0.1}	7	18	6
501207	RMC-HF-20-M3	20 _{+0.1/-0.1}	6 _{+0.2/-0.1}	M3	5	6 _{+0.1/-0.1}	7	30	11
501209	RMC-HF-25-M4	25 _{+0.1/-0.1}	7 _{+0.3/-0.1}	M4	7	8 _{+0.1/-0.1}	8	40	20
501211	RMC-HF-32-M4	32 _{+0.1/-0.1}	7 _{+0.3/-0.1}	M4	7	8 _{+0.1/-0.1}	8	80	31
501213	RMC-HF-40-M5	40 _{+0.2/-0.1}	8 _{+0.4/-0.1}	M5	9	10 _{+0.1/-0.1}	10	125	59
501215	RMC-HF-50-M6	50 _{+0.2/-0.1}	10 _{+0.5/-0.1}	M6	11	12 _{+0.1/-0.1}	12	220	111
501217	RMC-HF-63-M8	63 _{+0.3/-0.1}	14 _{+0.5/-0.1}	M8	14	15 _{+0.1/-0.1}	16	350	242
501219	RMC-HF-80-M10	80 _{+0.5/-0.1}	18 _{+0.5/-0.1}	M10	15	20 _{+0.1/-0.1}	16	600	500
501221	RMC-HF-100-M12	100 _{+0.5/-0.1}	22 _{+0.5/-0.1}	M12	18	22 _{+0.1/-0.1}	21	900	948
501223	RMC-HF-125-M14	125 _{0.5/-0.1}	26 _{+0.5/-0.1}	M14	20	25 _{+0.1/-0.1}	24	1300	1732
501261	RMC-SC-6-M3	6 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	5	2
501263	RMC-SC-8-M3	8 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	11	3
501265	RMC-SC-10-M3	10 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	20	4
501267	RMC-SC-13-M3	13 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	40	6

Elesa Standards		Main dimensions						Nominal adhesive forces *	Weight
Code	Description	D	L	d	h	d ₁	l ₁	[N]	g
501269	RMC-SC-16-M4	16 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M4	6	6 _{+0.1/-0.1}	7	60	8
501271	RMC-SC-20-M4	20 _{+0.1/-0.1}	6 _{+0.1/-0.1}	M4	7	8 _{+0.2/-0.2}	7	90	16
501273	RMC-SC-25-M4	25 _{+0.1/-0.1}	7 _{+0.2/-0.2}	M4	7	8 _{+0.2/-0.2}	7	150	28
501275	RMC-SC-32-M5	32 _{+0.1/-0.1}	7 _{+0.2/-0.2}	M5	8	10 _{+0.2/-0.2}	8.5	220	47
501231	RMC-ND-6-M3	6 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	5	2
501233	RMC-ND-8-M3	8 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	13	3
501235	RMC-ND-10-M3	10 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	25	4
501237	RMC-ND-13-M3	13 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M3	6	6 _{+0.1/-0.1}	7	60	5
501239	RMC-ND-16-M4	16 _{+0.1/-0.1}	4.5 _{+0.1/-0.1}	M4	6	6 _{+0.1/-0.1}	7	95	7
501241	RMC-ND-20-M4	20 _{+0.1/-0.1}	6 _{+0.1/-0.1}	M4	7	8 _{+0.2/-0.2}	7	140	16
501243	RMC-ND-25-M4	25 _{+0.1/-0.1}	7 _{+0.2/-0.2}	M4	7	8 _{+0.2/-0.2}	7	200	27
501245	RMC-ND-32-M5	32 _{+0.1/-0.1}	7 _{+0.2/-0.2}	M5	8	10 _{+0.2/-0.2}	8.5	350	45

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

Elesa Standards		Main dimensions						Nominal adhesive forces *	Weight
Code	Description	D	L	d	h	d ₁	l ₁	[N]	g
501281	RMC-SST-HF-25	25 _{+0.1/-0.1}	7 _{+0.3/-0.1}	M5	9	8	9	32	20
501283	RMC-SST-HF-32	32 _{+0.1/-0.1}	7 _{+0.3/-0.1}	M5	9	8	9	64	31
501285	RMC-SST-HF-40	40 _{+0.2/-0.1}	8 _{+0.3/-0.1}	M5	9	8	8.5	100	56
501287	RMC-SST-HF-50	50 _{+0.2/-0.1}	10 _{+0.4/-0.1}	M5	9	8	8.5	175	105
501289	RMC-SST-HF-63	63 _{+0.3/-0.1}	14 _{+0.5/-0.1}	M5	9	8	8	280	228

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

Material

(RMC) zinc-plated steel or (RMC-SST) stainless steel housing with threaded hole insert.

Standard executions

- RMC-HF: hard ferrite magnet, resistant to temperatures up to 200°C.
- RMC-SC: (SmCo) Samarium cobalt magnet, resistant to temperatures up to 200°C.
- RMC-ND: (NdFeB) Neodymium-iron-boron magnet, resistant to temperatures up to 80°C.
- RMC-SST-HF: hard ferrite magnet, resistant to temperatures up to 220°C.

[Technical data.](#)

Features and applications

RMC flat retaining magnets are shielded magnetic systems with high performances and moderate overall dimensions.

Owing to the lower magnetic conductivity of stainless steel, the adhesive forces of the RMC-SST executions are lower than those of the zinc-plated steel RMC executions.



STANDARD MACHINE ELEMENTS WORLDWIDE