

Magnet systems

Rubber coated



thyssenkrupp



Function

Rubber coated flat holding magnets made of Neodymium-Iron-Boron (NdFeB) ensure secure, discrete fixing of items and installation objects on ceilings, walls, and other construction elements. The magnet systems – colloquially also called pot magnets – are equipped with heteropolar NdFeB magnets that are fully encased in a layer of rubber (technical term: elastomer).

This rubber casing offers a number of benefits. It not only protects delicate surfaces against scratching, but also prevents oxidation of the highly corrodible magnets through moisture. At the same time, the rubber increases the magnet's displacement forces and prevents slippage. The rubber coated pot magnets are temperature-resistant up to 60 °C (140 °F). The rubber coating also protects them against moisture and spray water. However, the permanent outdoor use of rubber coated magnets is not recommended.

Use

The rubber coating makes these anti-slip and powerful magnet systems the ideal choice for use on delicate surfaces.

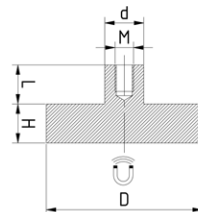
The pot magnets are available with black or white rubber coating and are equipped with a threaded bush, external thread, cylinder bore, internal thread, or cable supports depending on the application.



Product range

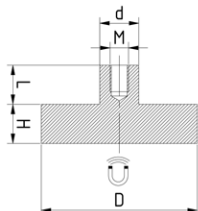


Pot magnet made of NdFeB with threaded bush, white rubber coated



Part number	D mm	H mm	L mm	d mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M40015300B299U	22	6	5.5	8	M4	15	58	13	60
M40015400B299U	31	6	5.5	8	M4	29	89	23	60
M40015500B299U	43	6	4.5	8	M4	25	100	30	60
M40015600B299U	66	8.5	6.5	10	M5	75	250	105	80
M40015700B299U	88	8.5	8.5	12	M8	125	550	192	80

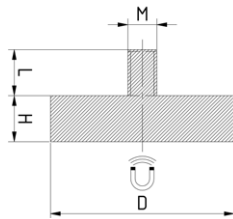
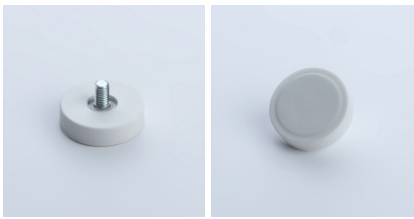
Pot magnet made of NdFeB with threaded bush, black rubber coated



Part number	D mm	H mm	L mm	d mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M17218000B293U	22	6	5.5	8	M4	18	58	13	60
M40011700B292N	31	6	9.5	8	M4	25	89	20	60
M17114000B293N	43	6	8	8	M4	30	100	32	60
M17114100B293N	66	8.5	11.5	10	M5	85	250	114	60
M17114200B293N	88	8.5	13.5	12	M8	140	550	209	60

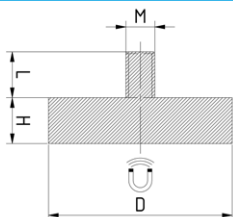
* The forces are ascertained using an even polished plate of ST 37 material with a thickness of 10 mm by the vertical withdrawal of the magnet at room temperature. Small cracks in the magnet material do not affect the holding force. Deviations up to minus 10 % are possible in some instances. The data given relates to minimum values which are normally exceeded.

Pot magnet made of NdFeB with external thread, white rubber coated



Part number	D mm	H mm	L mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M40015800B298U	22	6	6.5	M4x6.5	15	58	11	60
M40015900B298U	43	6	15	M6x15	25	100	32	80
M40016000B298U	66	8.5	15	M8x15	75	250	107	80
M40016100B298U	88	8.5	15	M8x15	125	550	193	80

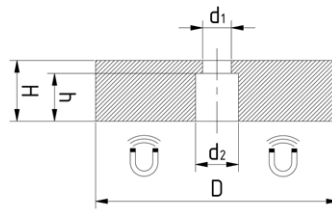
Pot magnet made of NdFeB with external thread, black rubber coated



Part number	D mm	H mm	L mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M40011800B293N	22	6	6.5	M4x6.5	18	58	11	60
M40011900B293N	43	6	15	M6x15	30	100	35	60
M17115100B978N	66	8.5	15	M8x15	85	250	107	60
M40012000B293N	88	8.5	15	M8x15	140	550	209	60

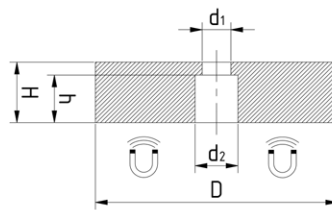
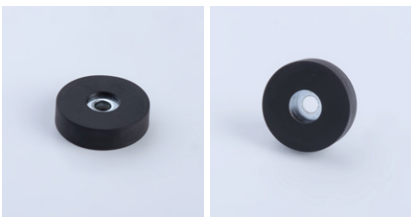
* The forces are ascertained using an even polished plate of ST 37 material with a thickness of 10 mm by the vertical withdrawal of the magnet at room temperature. Small cracks in the magnet material do not affect the holding force. Deviations up to minus 10 % are possible in some instances. The data given relates to minimum values which are normally exceeded.

Pot magnet made of NdFeB with cylinder bore, white rubber coated



Part number	D mm	H mm	h mm	d1 mm	d2 mm	Shear force* N	Holding force* N	Weight g	Temperature °C
M40016200B296U	22	6	3.5	4	8.2	12	38	8	60
M40016300B296U	31	6	3.5	6	9	15	89	20	60
M40016400B296U	57	7.6	3.3	8	25.3	68	200	77	60
M40016500B296U	66	8.5	3.2	5.5	22	75	250	100	80

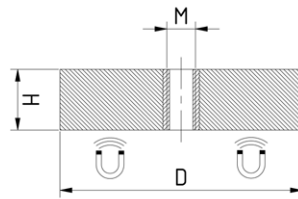
Pot magnet made of NdFeB with cylinder bore, black rubber coated



Part number	D mm	H mm	h mm	d1 mm	d2 mm	Shear force* N	Holding force* N	Weight g	Temperature °C
M40004300B296N	22	6	3.5	4	8.2	15	38	8	60
M40004400B296N	31	6	3.5	6	9	25	89	20	60
M40004600B296N	57	7.6	3.3	8	25.3	78	200	77	60
M40004700B296N	66	8.5	3.2	5.5	22	85	250	100	80

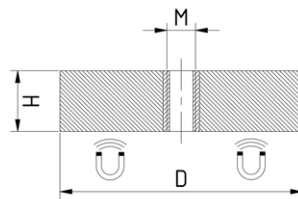
* The forces are ascertained using an even polished plate of ST 37 material with a thickness of 10 mm by the vertical withdrawal of the magnet at room temperature. Small cracks in the magnet material do not affect the holding force. Deviations up to minus 10 % are possible in some instances. The data given relates to minimum values which are normally exceeded.

Pot magnet made of NdFeB with internal thread, white rubber coated



Part number	D mm	H mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M40016600B297U	22	6	M4	12	38	9	60
M40016700B297U	31	6	M5	18	89	22	60
M40016800B297U	43	6	M4	25	100	29	60
M40016900B297U	66	8.5	M6	75	250	100	80
M40017000B297U	88	8.5	M6	125	550	186	80

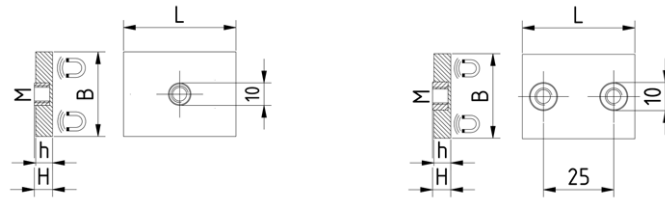
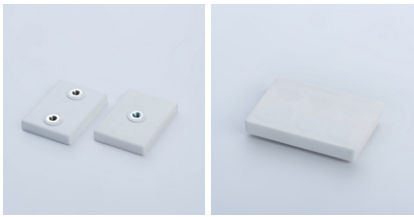
Pot magnet made of NdFeB with internal thread, black rubber coated



Part number	D mm	H mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M17284900B973U	22	6	M4	15	38	9	60
M17185000B973N	31	6	M5	25	89	18	60
M40012100B292N	43	6	M4	30	100	31	60
M40012200B292N	66	8.5	M6	85	250	105	60
M40012300B292N	88	8.5	M6	140	550	204	60

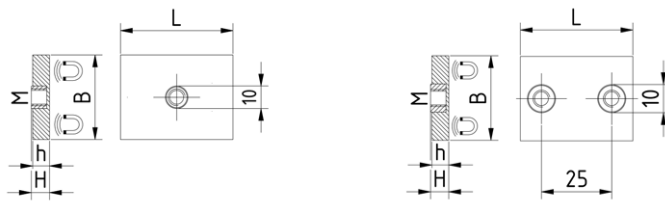
* The forces are ascertained using an even polished plate of ST 37 material with a thickness of 10 mm by the vertical withdrawal of the magnet at room temperature. Small cracks in the magnet material do not affect the holding force. Deviations up to minus 10 % are possible in some instances. The data given relates to minimum values which are normally exceeded.

Pot magnet made of NdFeB with internal thread, rectangular, white rubber coated



Part number	L mm	B mm	H mm	h mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M40017100B297U	43	31	6.9	6	1x M4x4.5	33	105	27	60
M40017200B297U	43	31	6.9	6	2x M4x4.5	52	146	28	60

Pot magnet made of NdFeB with internal thread, rectangular, black rubber coated



Part number	L mm	B mm	H mm	h mm	Thread M	Shear force* N	Holding force* N	Weight g	Temperature °C
M17397000B975U	43	31	6.9	6	1x M4x4.5	45	105	27	60
M40004800B297N	43	31	6.9	6	2x M4x4.5	57	146	28	60

* The forces are ascertained using an even polished plate of ST 37 material with a thickness of 10 mm by the vertical withdrawal of the magnet at room temperature. Small cracks in the magnet material do not affect the holding force. Deviations up to minus 10 % are possible in some instances. The data given relates to minimum values which are normally exceeded.

Pot magnet made of NdFeB with cable holder, black rubber coated



Part number	D mm	H mm	L mm	Shear force* N	Holding force* N	Weight g	Temperature °C
M40017300B299U	22	6.2	9.8	15	38	12	60
M40017400B299U	31	6.2	9.8	19	89	26	60
M40017500B299U	43	6.2	9.8	38	100	30	60

* The forces are ascertained using an even polished plate of ST 37 material with a thickness of 10 mm by the vertical withdrawal of the magnet at room temperature. Small cracks in the magnet material do not affect the holding force. Deviations up to minus 10 % are possible in some instances. The data given relates to minimum values which are normally exceeded.

- ⇒ Contact us if you need other dimensions, shapes, or colors. Other versions are also quickly available on request.
- ⇒ In addition to our standard program, we also offer custom solutions. We will be happy to advise you on this.

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