

Neodymium permanent magnets

Neodymium is one of the most powerful magnets on the market and is made out of rare earth. It is used wherever a very powerful magnet is needed in small spaces. It can be used at temperatures of up to 80°C, and some models can be used in environments of up to 180°C. These magnets can be glued, embedded or overmoulded.



Cylindrical neodymium iron boron magnets



Annular neodymium iron boron magnets



Rectangular neodymium iron boron magnets

NdFeB magnets are made from an alloy of neodymium, iron and boron. They have a zinc coating to protect against corrosion (gold, epoxy and nickel coatings available).

These neodymium-iron-boron magnets are available in a wide range of sizes and shapes (rectangular, annular and cylindrical) with various typical load-bearing capacities. Arelec Solution offers other models (Ferrite, Alnico and Samarium cobalt) with a wide range of dimensions and magnetic powers.

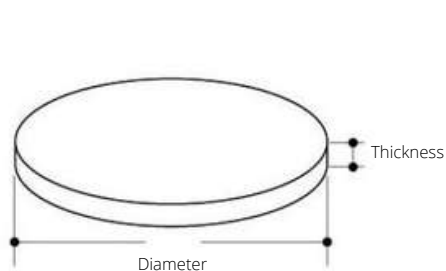
Model	Dimensions (mm)	Typical load-bearing capacity (kg)	Reference	Quantity per smallest packaging
Cylindrical neodymium magnets	Diam 2.5 x 4	0.25	0016215	100
	Diam 3 x 2	0.13	0016081	100
	Diam 3 x 2.5	0.15	0016082	100
	Diam 4 x 2	0.2	0016022	100
	Diam 4 x 6	0.57	0016051	100
	Diam 5 x 1	0.18	0016013	100
	Diam 5 x 1.5	0.28	0016014	100
	Diam 5 x 2	0.3	0016015	100
	Diam 5 x 3	0.4	0016045	100
	Diam 6 x 2	0.4	0016016	100
	Diam 6 x 4	0.75	0016017	100
	Diam 6 x 8	1.5	0016084	100
	Diam 7 x 2	0.6	0016023	100
	Diam 8 x 2	0.65	0016024	100
	Diam 8 x 4	1.3	0016019	100
	Diam 8 x 16	5.1	0016091	100

Model	Dimensions (mm)	Typical load-bearing capacity (kg)	Reference	Quantity per smallest packaging
Cylindrical neodymium magnets	Diam 10 x 1	0.33	0016061	100
	Diam 10 x 1.5	0.5	0016073	100
	Diam 10 x 2	1	0016083	100
	Diam 10 x 3	1.4	0016040	100
	Diam 10 x 4	2	0016020	100
	Diam 10 x 10	3.3	0016021	100
	Diam 12 x 1.5	0.75	0016074	100
	Diam 12 x 2	1	0016028	100
	Diam 12 x 4	2	0016026	100
	Diam 14 x 2	1.3	0016062	100
	Diam 15 x 1.5	1.1	0016075	100
	Diam 15 x 2	1.5	0016046	100
	Diam 15 x 3	2.3	0016041	100
	Diam 15 x 8	6	0016025	100
	Diam 16 x 5	4.3	0016047	100
	Diam 20 x 1.5	2	0016076	100
	Diam 20 x 2	2.7	0016027	100
	Diam 22 x 3	3	0016042	100
	Diam 22 x 10	10	0016030	100
	Diam 25 x 5	5.2	0016052	100
	Diam 30 x 3	4.9	0016043	100
	Diam 30 x 9	14.5	0016064	100
	Diam 40 x 3	6.5	0016044	100

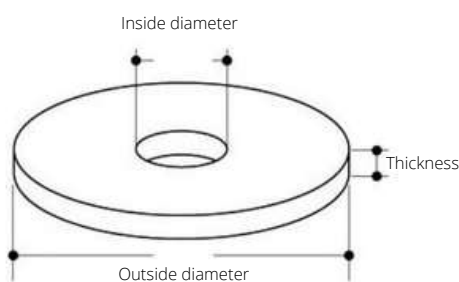
Model	Outside diameter (mm)	Inside diameter (mm)	Thickness (mm)	Typical load-bearing capacity (kg)	Reference	Quantity per smallest packaging
Annular neodymium magnets	Diam 6	Diam 4	3	1.2	0016202	100
	Diam 10	Diam 6	5	2	0016208	100
	Diam 14	Diam 8	2	1.5	0016201	100
	Diam 15	Diam 10.5	3	2.6	0016203	100
	Diam 20	Diam 10	5	9	0016209	100
	Diam 20	Diam 11	4.5	7	0016207	100
	Diam 22	Diam 6	3.5		0016205	100
	Diam 23	Diam 6	3	12	0016204	100
	Diam 26	Diam 11	4	4	0016206	100
	Diam 30	Diam 10	5	6.5	0016210	100
	Diam 40	Diam 20	10	15	0016213	100
	Diam 45	Diam 10	5	10	0016211	100
	Diam 76	Diam 42	6	17	0016212	100

Model	Dimensions (mm)	Typical load-bearing capacity (kg)	Reference	Quantity per smallest packaging
Rectangular neodymium magnets	5 x 5 x 1.5	0.2	0016067	100
	8 x 8 x 1.5	0.45	0016068	100
	10 x 10 x 1	0.5	0016063	100
	10 x 10 x 1.5	0.75	0016069	100
	10 x 10 x 2	1	0016055	100
	13 x 5 x 1	0.4	0016071	100
	13 x 5 x 2	0.8	0016034	100
	13 x 5 x 3.8	1.6	0016035	100
	16 x 10 x 6	4	0016033	100
	20 x 5 x 1	0.5	0016072	100
	20 x 5 x 2	1.1	0016036	100
	20 x 5 x 2.4	1.3	0016110	100
	20 x 5 x 3	1.6	0016101	100
	20 x 10 x 1.5	1.1	0016065	100
	20 x 10 x 5	3.5	0016085	100
	22 x 18 x 4.6	4.6	0016031	100
	25 x 11 x 3	3.45	0016039	100
	35 x 14 x 7	11.6	0016038	100
	40 x 5 x 2	2.2	0016066	100
	40 x 10 x 1	2.1	0016112	100
	42 x 10 x 4	5.7	0016032	100
	50 x 5 x 1.5	1.4	0016077	100
	50 x 7 x 1.5	2	0016037	100

Cylindrical neodymium magnets



Annular neodymium magnets



Rectangular neodymium magnets

