

Ferrite permanents magnets

A member of the **ceramic** family, ferrite magnets are extremely hard and fragile on impact. It can be used in high-temperature environments up to 250°C. Ferrites are highly resistant to corrosion, so no surface treatment is required. These magnets can be bonded, embedded or overmoulded.



Rectangular ferrite magnets



Cylindrical ferrite magnets



Annular ferrite magnets

Ferrite magnets are made of anisotropic (depending on thickness) oriented strontium iron oxide, pressed and then sintered at high temperature. Ferrite magnets are available in a wide range of shapes and sizes (rectangular, cylindrical and annular) with different typical load-bearing capacities. Arelec Solution offers other models (Samarium Cobalt, Alnico and Neodymium Iron Boron) with a wide range of dimensions and magnetic powers.

Model	Outside diameter (mm)	Inside diameter (mm)	Thickness (mm)	Reference	Quantity per smallest packaging
Annular ferrite magnets	10	6	2	0061017	100
	15	6	3	0061018	100
	20	10	4	0061019	100
	17	13	4	0061020	100
	30	16	6	0061005	100
	32	18	6	0061021	100
	36	18	8	0061006	100
	40	22	9	0061007	100
	51	24	9	0061008	100
	60	24	9	0061022	100
	72	32	15	0061014	100
	100	45	18	0061016	100
	120	60	20	0061023	100

Model	Dimensions (mm)	Reference	Quantity per smallest packaging
Rectangular ferrite magnets	4.15 x 4.15 x 3.8	0053001	100
	5.5 x 5.5 x 3.8	0043002	100
	7.7 x 5.5 x 2	0051001	100
	7.7 x 5.5 x 3.8	0043003	100
	7.7 x 7.7 x 3.8	0043004	100
	7.7 x 7.7 x 6	0045006	100
	7.7 x 7.7 x 8.8	0047002	100
	12 x 7.7 x 2	0051004	100
	12 x 7.7 x 3.8	0043005	100
	12 x 7.7 x 6	0045007	100
	12 x 7.7 x 8.8	0047057	100
	12 x 12 x 6	0045013	100
	12 x 12 x 8.8	0047061	100
	13.3 x 5.5 x 2	0051002	100
	13.3 x 7.7 x 3.8	0043006	100
	13.3 x 7.7 x 8.8	0047003	100
	13.3 x 12 x 3.8	0043013	100
	13.3 x 12 x 8.8	0047009	100
	13.3 x 16.3 x 8.8	0047012	100
	16.3 x 7.7 x 8.8	0047004	100
	20.5 x 7.7 x 2	0051007	100
	20.5 x 7.7 x 3.8	0043008	100
	20.5 x 7.7 x 6	0045008	100
	20.5 x 7.7 x 8.8	0047005	100
	20.5 x 12 x 6	0045014	100
	20.5 x 12 x 8.8	0047010	100
	20.5 x 25 x 6	0045021	100
	25 x 7.7 x 2	0051008	100
	25 x 7.7 x 3.8	0043009	100
	25 x 7.7 x 6	0045009	100
	25 x 12 x 6	0045015	100
	25 x 13.3 x 2	0051010	100
	25 x 13.3 x 3.8	0043017	100
	33.5 x 7.7 x 3.8	0043010	100
	33.5 x 7.7 x 6	0045010	100
	42 x 7.7 x 3.8	0043011	100
	42 x 7.7 x 6	0045011	100
	42 x 12 x 3.8	0053010	100
	42 x 12 x 6	0045017	100
	42 x 12 x 8.8	0047011	100
	42 x 25 x 6	0045023	100
	42 x 25 x 8.8	0047020	100
	150 x 100 x 40	0079016	100

Model	Dimensions (mm)	Reference	Quantity per smallest packaging
Cylindrical ferrite magnets	Diam 10 x 5	0071001	100
	Diam 10 x 10	0071002	100
	Diam 12 x 5	0071003	100
	Diam 14 x 4	0071004	100
	Diam 16 x 4	0071005	100
	Diam 18 x 5	0071006	100
	Diam 20 x 3	0071007	100
	Diam 20 x 5	0071008	100
	Diam 20 x 10	0071009	100
	Diam 25 x 3	0071010	100
	Diam 25 x 5	0071011	100
	Diam 25 x 10	0071012	100
	Diam 28 x 5	0071013	100
	Diam 28 x 10	0071014	100
	Diam 30 x 5	0071015	100
	Diam 30 x 10	0071016	100
	Diam 30 x 15	0071017	100
	Diam 40 x 10	0071018	100
	Diam 50 x 10	0071019	100

