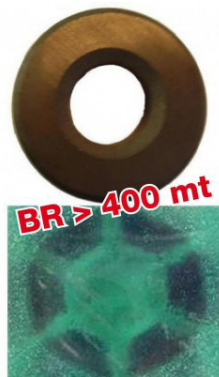


Ferrite rings



RADIAL MULTI-POLE ANISOTROPIC FERRITE ROTORS

Ferrite rings are very easy to install, they have high magnetic properties, comparable to plasto-neodymium and they improve motor efficiency.

Ferrite ring Halbach magnetisation

	Grade	BR				HcB		Hcj		(BH) MAX				I. MAX
		KGs		T		KOe	KA/m	KOe	KA/m	MGOe		KJ/m3		L/D ≥ 0,7
		MAX	MIN	MAX	MIN	MIN	MIN	MIN	MIN	MAX	MIN	MAX	MIN	°C
Ferrite	IMF-5E	3.75	3.5	0.375	0.35	≥ 3,33	≥ 265	≥ 4,46	≥ 355	3	3.4	0.024	0.027	≤ 200
	IMF-6E	3.9	3.7	0.39	0.37	≥ 3,5	≥ 278	≥ 4,8	≥ 382	3.7	3.3	0.029	0.026	≤ 200
	IMF-6X	4.25	4.05	0.425	0.405	≥ 3,4	≥ 270	≥ 3,52	≥ 280	4.4	3.9	0.035	0.031	≤ 200

Types of magnetisation include: multi-pole radial, Halbach radial on the exterior diameter, Halbach radial on the inner diameter.

The bevelling on the sides makes plastic injection easier.

Main applications: High efficiency electric motors.