



Product name : D220 x d110 x 20 / F30 - ferrite magnet

PERFORMANCE PARAMETERS

External diameter	220 [mm] +2,5%/-2,5%
Internal diameter	110 [mm] +2,5%/-2,5%
Height	20 [mm] +0,1/-0,1
magnetizing direction along dimension	20 [mm]
Direction of magnetization along the height means that one circular surface of a magnet makes the N-pole, while the other - opposite - circular surface refers to the S-pole.	
Grade	F30
Magnet type	Ferrite
Maximal hoisting capacity	41 [kg]
The pull force was measured by using metal sheet 10 [mm] thick, acting with perpendicular detaching force. With the force acting on the sliding off, the lifting capacity of the magnet will be 5 times smaller. The air gap comprised between the metal sheet and a magnet causes reduction in the pull force.	
Maximum working temperature	250 °[C]
For flat magnets and magnets mounted in the open magnetic circuit working temperature may be insignificantly lower. For high magnets and magnets mounted in the closed magnetic circuit working temperature equals max. working temperature for a given material. Curie's temperature is ~ 450°C. Temperature coefficient of remanence TK(Br): approx. -0,19 %/°[C]. Temperature coefficient of coercivity TK(Hc): approx. 0,40 %/°[C].	
water-resistant	yes
Ferrite magnets do not require anticorrosive protection. They may be used in water. As ceramic magnets, ferrite magnets are brittle.	
Weight	2429,62 [g]
All the numbers quoted were obtained as a result of tests with one specific item in a room temperature and are intended to serve for comparison of practical magnetic properties of magnets offered by the shop.	

PHYSICAL PROPERTIES

density	~4,5 [g/cm ³]
resistivity	10 ⁴ - 10 ⁸ [μOhm x cm]