



**Product name : D10 x 1,5 / N35 - Neodymium magnet (NdFeB)**

## PERFORMANCE PARAMETERS

External diameter	10 [mm]
Height	1,5 [mm]
magnetizing direction along dimension	1,5 [mm]
Grade	N38
Magnet type	Neodymium
Maximal hoisting capacity	0,77 [kg]
Magnetic field in geometrical center of the magnetic pole surface	0,156 [T]
Coating	Nickel (NiCuNi)
Maximum working temperature	≤ 80 °[C]
Magnetic moment	130,758
Weight	0,88 [g]

## MAGNETIC PROPERTIES OF MATERIAL GRADE N38

remanence $B_r$	1,21 - 1,25 [T]
coercivity $H_{cB}$	min. 899 [kA/m]
coercivity $H_J$	min. 955 [kA/m]
energy product $(BH)_{max}$	286 - 302 [kJ/m <sup>3</sup> ]

Magnetic properties of a particular material, together with its shape, volume, max. working temperature and direction of magnetization have influence on practical magnetic properties of a magnet.

**As an example, you will find attached a graph of a course of the II quadrant of magnetic hysteresis loop for a material grade N38.**

## TECHNICAL DRAWING

