

**Product name : D7,8 X D2 X 8,5 / N45 - Neodymium magnet (NdFeB)**

## PERFORMANCE PARAMETERS

Maximal hoisting capacity	2,38 [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.	
Sintered neodymium magnets are brittle (fragile). A neodymium magnet without housing could break after an impact with another strong magnet.	
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.	

## MAGNETIC PROPERTIES OF MATERIAL GRADE N38

density	~7,5 [g/cm <sup>3</sup> ]
Vickers hardness (HV)	~600 [kg/mm <sup>2</sup> ]
resistivity	~144 [uOhm x cm]

## TECHNICAL DRAWING



