



Product name : Magnetic holding rail 140 x 50 x 50

PERFORMANCE PARAMETERS

Manufacturer	Enes Magnesy
Length	140 [mm]
Width	50 [mm]
Height	50 [mm]
Magnet type	Neodymium
Maximal hoisting capacity	300 [kg]
Coating	Zinc (Zn)
Maximum working temperature	≤ 80 °[C]
Weight	2.08 [kg]

The maximum pull force: ~300 [kg]

Magnetic holding rail is used for secure of molds on vibro-tables during production of concrete elements.

The pull force given refers to hoisting capacity measured in optimal conditions, by using as a backing plate a sheet made of low-carbon steel, 10 [mm] thick, of smooth surface and with the force acting perpendicularly, in room temperature.

Notice: the pull force given should be treated as only a comparative value. An actual pull force depends on the following factors:

- air gap (a distance) between holding rail and an attracted element
- material, of which an attracted element is made (the higher carbon proportion in steel, the smaller pull force)
- surface of an attracted element (the smoother the surface, bigger the pull force)
- direction of acting of detaching force (the biggest pull force is obtained with perpendicular acting of detaching force)
- thickness of an attracted element (the element cannot be too thin, because in such case part of magnetic flux is not used for closing of a magnetic circuit)
- working temperature.

We generally recommend individual checking of the holding rail in any specific working conditions.

Weight of the holding magnet: ~2,1 [kg]