

Product name : Holding magnet with facilitated separation 250x100x30 / N

PERFORMANCE PARAMETERS

Manufacturer	Enes
Length	250 [mm]
Width	100 [mm]
Height	31 [mm]
handle length	215 [mm]
threads quantity	2
thread type	internal, M14
Material	Neodymium
maximal hoisting capacity	1100 [kg]
recommended maximum thickness of the metal sheet	10 [mm]
Maximum working temperature	80 °[C]
Coating	Zinc (Zn)
with easier detachment	yes
handling mode	ręczny
With handle	yes
Weight	5.9 [kg]

The maximum pull force: ~1100 [kg]

Two threaded holes M14.

Length of handle: ~215 [mm].

Total width with handle: ~135 [mm].

Holding magnet with facilitated separation is used for secure of molds on vibro-tables during production of concrete elements.

In the holding magnet sintered neodymium magnets (NdFeB) were used. The maximum working temperature for holding magnets involving neodymium magnets is **80°C**.

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 magnet and an attracted element



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- 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 magnet in any specific working conditions.

Weight of the holding magnet: ~5,9 [kg]