Product name : Holding magnet with facilitated separation 160x100x30 / N

PERFORMANCE PARAMETERS

Manufacturer	Enes Magnesy
Length	160 [mm]
Width	100 [mm]
Height	30 [mm]
handle length	235 [mm]
Thread type	wewnętrzny, M8
threads quantity	2
Magnet type	Neodymium
Maximal hoisting capacity	800 [kg]
recommended maximum thickness of the metal sheet	10 [mm]
Coating	Zinc (Zn)
Maximum working temperature	≤ 80 °[C]
with easier detachment	yes
handling mode	ręczny
With handle	yes
Weight	4.66 [kg]

The maximum pull force: ~800 [kg]
The maximum slide force: ~200 [kg]

Two threaded holes M8.
Length of handle: ~235 [mm].
Total width with handle: ~140 [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 **80₀[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
- 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: ~4,7 [kg]

TECHNICAL DRAWING