



Product name : Plate magnet for iron separation (waterproof)
1000x120x60 / N52

PERFORMANCE PARAMETERS

Manufacturer	Enes Magnesy
Length	1000 [mm]
* Magnetic section length	950 [mm]
Width	120 [mm]
Height	60 [mm]
Thread length	10 [mm]
Thread size	M10
Magnet type	Neodymium
Maximum working temperature	≤ 60 °[C]
Range	max. 180 [mm]
Weight	50 [kg]

A plate magnet mounted above a belt conveyor is used for catching of undesirable steel or iron elements from transported substances (food industry, processing of plastics, mineral raw materials, recycling, etc.). Mounted at a angle, can also be used as a chute separator. Watertight housing made of acid-proof steel AISI 304 / EN 1.4301 contains a magnetic circuit with neodymium magnets. It is a bottom surface of the plate magnet which is magnetic active. Both ends are equipped with two threaded apertures M10 (spaced 60 mm) for mounting.

On commission we are ready to provide magnetic separators with dimensions chosen by Clients. Magnetic parameters, range of activity and dimensions are adjusted according to Client needs and expectations.

Magnetic field in the center of surface between the magnetic poles (maximum) is ~0,75 [T].

Magnetic field in the center of surface between the magnetic poles at a distance of:

20 mm from the separator is ~0,230 [T]

40 mm from the separator is ~0,116 [T]

60 mm from the separator is ~0,062 [T]

100 mm from the separator is ~0,025 [T]

As an example, range of catching for different caught objects: balls Ø5-10 - approx.85 mm, screw caps M5-M10 - approx.100 mm, flat spanner - approx.150 mm, iron nails 2" - approx.180 mm, iron nails 3,5" - approx.200mm.

In the plate magnet sintered neodymium magnets were used.

The maximal working temperature for the magnetic separators with neodymium magnets is

approx. **60°C**.

Weigh: ~50,0 [kg]

Caution! A careless handling can cause serious injury to hands !



TECHNICAL DRAWING

