



**Product name : Magnetic beam for iron separation (waterproof)
1000x120x60 / N52**

PERFORMANCE PARAMETERS

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

A magnetic beam 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 OH18N9 (1.4301),(304) contains a magnetic circuit with neodymium magnets. It is a bottom surface of the beam which is magnetic active. The beam's 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 magnetic beam 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

