



Product name : Magnetic beam for iron separation (waterproof)
450x120x60 / N52

PERFORMANCE PARAMETERS

Manufacturer	Enes Magnesy
Length	450 [mm]
* Magnetic section length	400 [mm]
Width	120 [mm]
Height	60 [mm]
With mounting hole	gwintowanym
Thread type	internal
Thread length	10 [mm]
Thread size	M10
Magnet type	Neodymium
polarity	bieguny wzdłużne
Maximum working temperature	≤ 60 °[C]
Housing	stainless steel, AISI 304 / EN 1.4301, approved for contact with food
water-resistant	yes
Waterproof	class IP67
Przesypowy	yes
Zasypowy	yes
hunged	yes
Range	max. 180 [mm]
work in systems with the flow of purified material	grawitacyjnym
Weight	21.4 [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] = 7500 [Gs].

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: ~21,4 [kg]

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



TECHNICAL DRAWING

