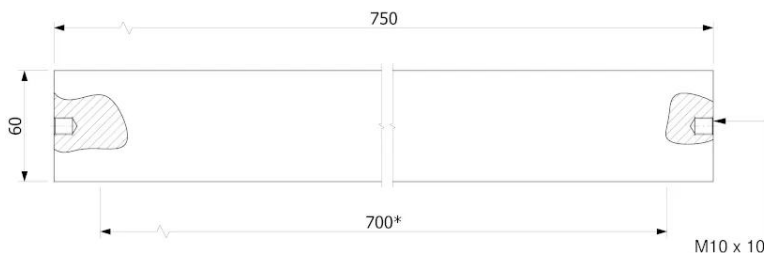




## MAGNETIC BEAM FOR IRON SEPARATION (WATERPROOF) 750X120X60 / N52



### PERFORMANCE PARAMETERS

Manufacturer	Enes Magnesy
Length	750 [mm]
* Magnetic section length	700 [mm]
Width	120 [mm]
Height	60 [mm]
With mounting hole	gwintowanym
Thread type	internal
Thread length	10 [mm]
Thread size	M10
Magnet type	neodymium, N52
Magnetic properties of N52 material: remanence (Br) 1,43-1,48 [T], 14300-14800 [Gs]	
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	46 [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 AISI 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  $\sim 0,75 \text{ [T]} = 7500 \text{ [Gs]}$ .

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:  $\sim 46 \text{ [kg]}$

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



## PRODUCT PHOTOS

