



Product name : Magnetic drum for iron separation 306x900/1250x40 / F

PERFORMANCE PARAMETERS

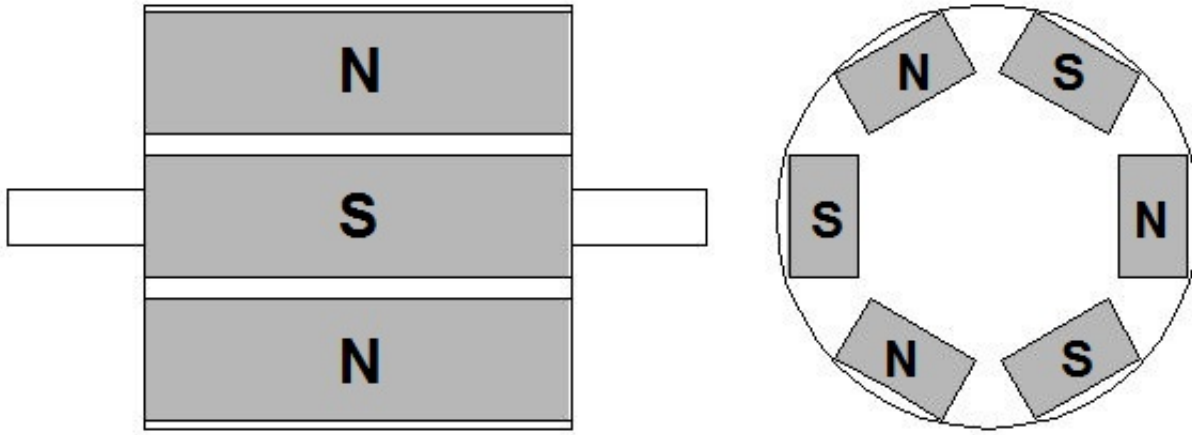
Manufacturer	Enes Magnesy
drum diameter	306 [mm]
Shaft diameter	60 [mm]
* Magnetic section length	700 [mm]
Drum length	900 [mm]
shaft length	1250 [mm]
Magnet type	Ferrite
polarity	bieguny wzdłużne
Maximum working temperature	150 °[C]
Housing	stainless steel, AISI 304 / EN 1.4301, approved for contact with food
water-resistant	yes
Przesypowy	yes
to be fixed inside the conveyor belt	yes
with a fixed axis, bearing	yes
delivery time since the moment of placing an order	do uzgodnienia
Range	max. 120 [mm]
work in systems with the flow of purified material	wymuszonym
Weight	200 [kg]

The separating magnetic drum is used to catching ferromagnetic elements from layers of bulk non-magnetic materials. It is mounted in the transport series (usually at the end of the belt conveyor flight). A drum diameter is selected depending on the thickness of the separated layer. This type of separator enables continuously work and can be used for the separation of ferromagnetic elements, such as: nails, screws (to protect vulnerable parts of machines or production lines against the metal parts), in recycling as well as in heavy industry (separation of raw glass, ceramic or metallurgy materials) and food industry (production lines).

On commission we are ready to provide magnetic drums in various dimensional configurations, as well as:

- drums with rotating shaft (as a active shaft)
- drums with rubber coating of drum cladding
- drums with neodymium magnets (for separation of very small parts, the max.working temp. 80°C)
- drums with various arranged magnetic poles.

The housing made of acid-proof steel contains a magnetic system assembled with ferrite magnets. It is the whole outer surface of the drum with six arranged alternately magnetic poles, which is magnetically active (diagram below).



In this version the shaft remains fixed and the drum rotates around it. It is so-called "passive" drum which cannot be used as the drive shaft of the conveyor.

As an example, range of catching for different objects: paper clips - approx. 190 mm, steel nuts M6 - approx. 120 mm, steel nuts M10 - approx. 90 mm, steel balls Ø8 - 85 mm.

The maximum magnetic field on the surface is approx. 0,164 [T] (1640 [Gs]).

The maximum working temperature is 250 [°C].

Weight: ~200 [kg]