HIGH ENERGY STRIP MAGNET

DATA SHEET REF. ME-004



OVERVIEW

Powerful rare-earth magnet

Robust Stainless Steel build

Offered in a range of lengths

DESCRIPTION

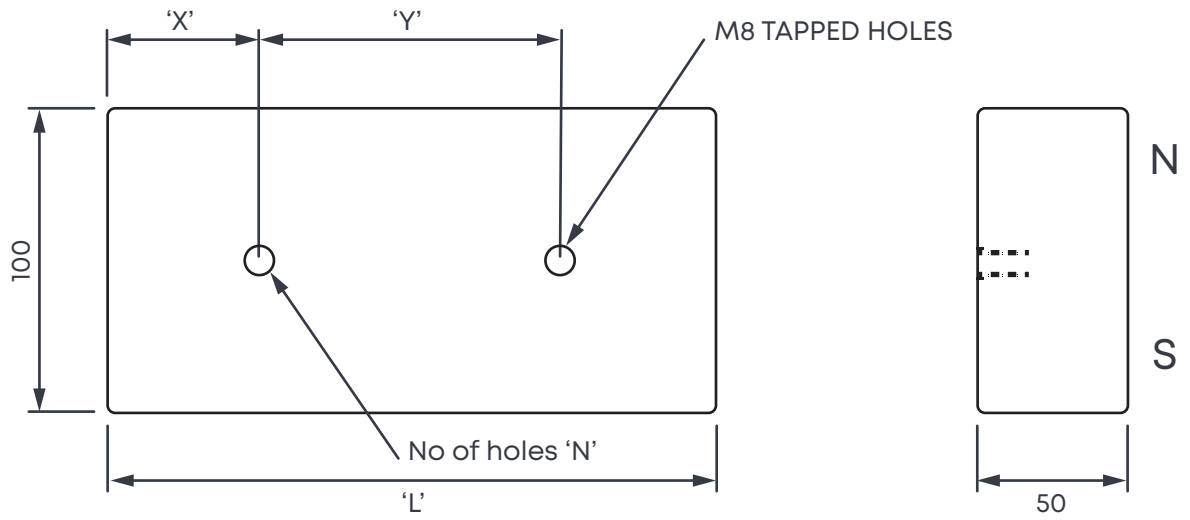
High-Energy Rare-Earth magnet assembly in a fully welded and brushed stainless steel case. The extremely powerful magnets are highly efficient at removing magnetic and para-magnetic particles from both dry free flowing powder and granules when used as a primary magnetic separator.

The high energy strip magnet can be positioned across a conveyor line above the processed material where the ferrous contamination is pulled out from the product as it passes under the magnetic strip. The deep magnetic field from the magnet makes it ideal for use with product depths up to approx. 50mm (depending on type of product being conveyed). the attracted contamination is then safely held out of the product flow and cannot be wiped off by the processed material.

The strip magnet can also be used to assist with the conveying of ferrous objects on conveyor processing lines. Incorporating these strip magnets within the conveyor framework beneath the process belt increases the traction between the conveyor belt and the conveyed product. Product slippage is reduced which can result in increased process line speeds being achieved. Product inversion is also possible by incorporating the units in transfer conveyors.

Mounting holes on the non-magnetic rear face of the magnet enable easy mounting of the units to machinery frameworks.

MAGNET PERFORMANCE	3,500 gauss (measured on magnetic face. Depth of field 90mm (test piece mild steel bar 5mm dia x 25mm long
TEMPERATURE OPERATING RANGE	-20 / +90 °C
MATERIALS	304 St. Steel. Brushed finish
MAGNETS	NdFeB N45 Grade
MOUNTING DETAILS	Supplied with M8 tapped holes as standard
STANDARD LENGTHS AVAILABLE	200-600mm in 100mm increments
AVAILABLE OPTIONS	316 grade St. Steel M8 mounting studs 40mm long



Part Number	Length 'L'	Dim 'X'	Hole ctr dist. 'Y'	No of holes 'N'	Weight (kgs)
ME-SM-200	200	50	100	2	4.8
ME-SM-300	300	50	200	2	7.2
ME-SM-400	400	50	300	2	9.9
ME-SM-500	500	50	200	3	12.3
ME-SM-600	600	50	250	3	14.7

Non std lengths available on request
Alternative mounting options available on request
316 grade option