

Strip Magnet

At A Glance



Protection: Primary



Feed Type: Conveyor



Material Type: NdFeb



Cleaning Type: Manual

Rare Earth strip magnets are versatile and can be used in various processes. These units are usually installed above transfer conveyors and vibratory feeders to attract 'tramp' type contamination and any loose machinery that has fallen off during the manufacturing or packaging stages.

The unit consists of two rows of magnetic material running the full length of the unit. These generate high intensity magnetic flux fields, which reach approximately 85mm from the units front face. Magnetism is only present on one face ensuring that no surrounding sensitive process machinery is affected. 'Tramp' contamination can be attracted from the conveyor surface even when trapped underneath the product e.g. biscuit etc.



Benefits

- Suitable for wash down
- Easy to clean
- Removes 'tramp' sized contaminants
- High collection capacity
- Rare Earth deep magnetic field

Materials

Magnetic Material	Rare Earth Neodymium Iron Boron - (NdFeb)
Housing	304 grade stainless steel
Surface Finish	Brushed

Performance

Magnetic Performance	4,000 Gauss
Performance Reading	On magnetic front face
Magnetic Field Depth	85mm – Using 5mm Ø 25mm long mild steel test piece
Magnet Grade	N35 – Inspected and confirmed via hysteresograph prior to use
Temperature	-20°C / +90°C

Cleaning

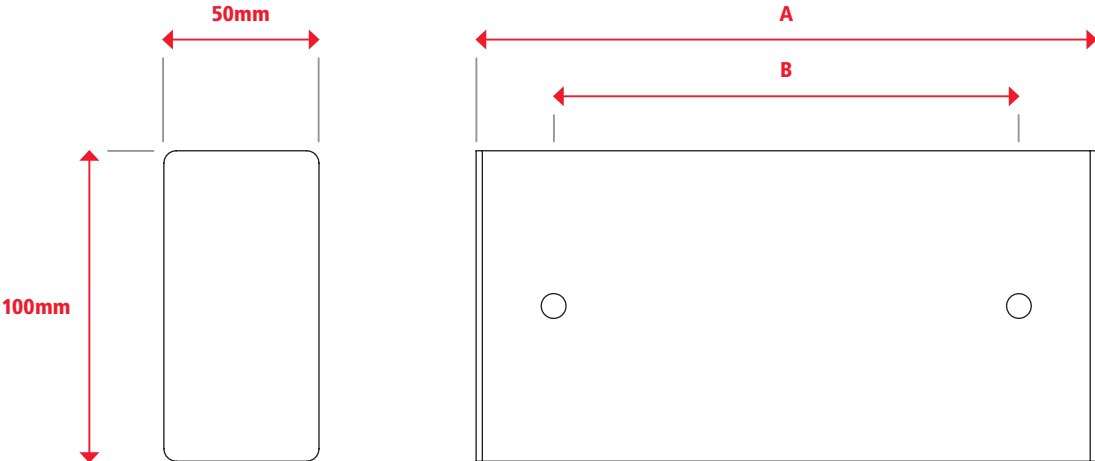
The strip magnet is highly visible once installed and any attracted contamination can be easily seen. In most cases this contamination can be removed by hand. In high collection installations a simple scraper can be used. Working with the maintenance department, any attracted machinery parts can be quickly identified and corrective maintenance carried out.

Suitability

Suitable Products	All conveyed products less than 85mm thick
Suitable Location	Above transfer belt conveyors and vibratory feeders

Options

- Pharmaceutical specification
- Ceramic magnetic material
- 150mm wide units available
- Length up to 2000mm long
- 316 grade stainless steel
- Higher temperature versions available



Part Number	A (mm)	B (mm)	Number Of Holes	Weight (kg)
SMN100	100	50	2	2.5
SMN200	200	150	2	5.0
SMN300	300	200	2	7.5
SMN400	400	200	2	10
SMN500	500	200	3	12.5
SMN600	600	200	3	15
SMN700	700	200	4	17.5
SMN800	800	200	4	20
SMN900	900	200	5	22.5
SMN1000	1000	200	5	25