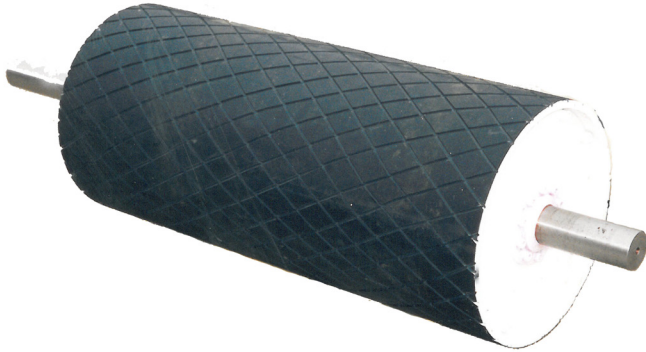


Permanent Magnetic Head Roller

High Intensity – Rare Earth

Datasheet No. 603



Installed at the discharge end of flat or troughed belt conveyors, Permanent Magnetic Head Rollers are designed to remove tramp iron that cannot be removed by either a Plate or Overband magnet because of the conveyed product depth. For the best possible protection against tramp metals use Permanent Magnetic Head Rollers in conjunction with Plate or Overband magnets.

Permanent Magnetic Head Rollers are available in two magnetic materials: standard strength, which uses ceramic magnetic material; and high strength, which uses high intensity rare earth magnetic material. The latter is the most popular due to its high contamination removal efficiency.

Cleaning

The unit is continuously self cleaning. Contamination enters the roller's magnetic field where it is attracted and held firmly on the belt. When it reaches the underside it passes out of the magnetic field and is discharged separately from the conveyed product, which continues on its normal trajectory.

Suitable Products

All conveyable products, wood chip, biomass, recyclables, aggregates, coal etc.

Suitable Locations

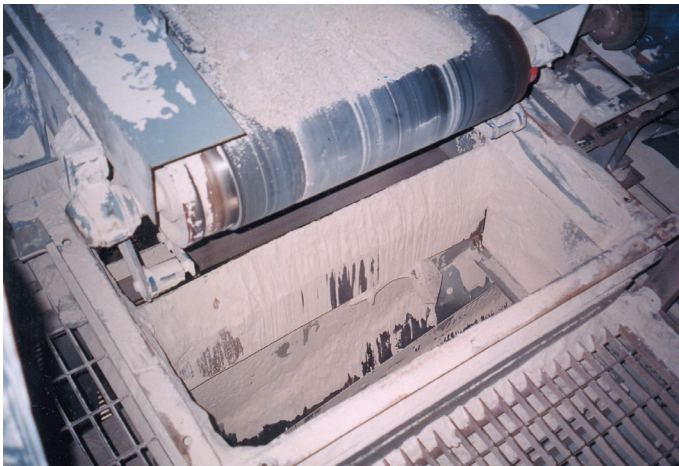
Conveyor head roller.

Benefits

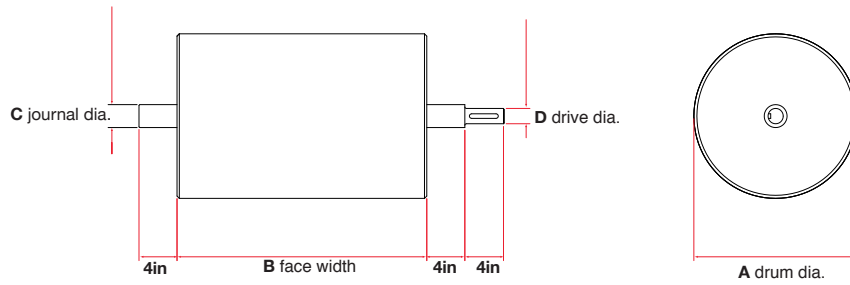
- Allows difficult products to be screened
- High volume capacity
- Designed for 24 / 7 operation
- Removes large to medium sized contamination
- Continuously cleans
- No running costs

Category

Primary protection - tramp.



Technical Data



Product Information

Part Number	ø A inches	B inches	ø C inches	ø D inches	Weight kg	Weight lb
200 Series						
HRN2140	8	16	1.6	1.2	70	154
HRN2150	8	20	1.6	1.2	80	176
HRN2160	8	24	1.6	1.2	95	209
HRN2170	8	28	1.6	1.2	110	242
HRN2180	8	31	1.6	1.2	130	286
HRN2190	8	35	1.6	1.2	145	319
HRN21100	8	40	1.6	1.2	160	352
300 Series						
HRN3140	12	16	2	1.6	110	242
HRN3150	12	20	2	1.6	130	286
HRN3160	12	24	2	1.6	150	330
HRN3170	12	28	2	1.6	170	374
HRN3180	12	31	2	1.6	190	418
HRN3190	12	35	2	1.6	210	462
HRN31100	12	40	2	1.6	230	506
400 Series						
HRN4040	16	16	2.4	2	220	484
HRN4050	16	20	2.4	2	260	572
HRN4060	16	24	2.4	2	300	660
HRN4070	16	28	2.4	2	340	748
HRN4080	16	31	2.4	2	380	836
HRN4090	16	35	2.4	2	420	924
HRN40100	16	40	2.4	2	460	1012

Performance

Magnetic performance	3,000 Gauss
Performance reading	On roller surface
Magnetic material	Rare earth neodymium iron boron
Magnet grade	N35 – Inspected and confirmed via hystergaph prior to use
Magnetic field depth	200 Series = 3 inches*; 300 Series = 4 inches*; 400 Series = 5 inches*
Temperature	-40°F / +176°F

*Mild steel test piece 0.2inch Ø × i inch long

Materials

Cover	304 grade stainless steel
End cheeks	Painted mild steel
Shaft	Mild steel

Options

- Ceramic magnetic material
- Rubber lagged diamond cut cover
- Crowded detail
- Protective paint coating

If you have any more questions, require technical assistance or would like a quotation, please contact us.

www.eclipsetoolsinc.com

Eclipse Tools North America Inc.

442 Millen Road, Unit 9, Stoney Creek, Ontario, L8E 6H2, Canada

T 1-800-260-2124 F 1-800-260-1410

sales@eclipsetoolsinc.com www.eclipsetoolsinc.com

While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.