

Permanent Magnetic Pulleys



Powerful magnetic pulleys are used to automatically separate heavy tramp iron and fine iron contaminants from conveyor transported materials.

Applications

- Recycling
- Food production
- Mineral processing
- Chemicals
- Glass
- Coal
- Foundry sand
- Other dry product streams

Features

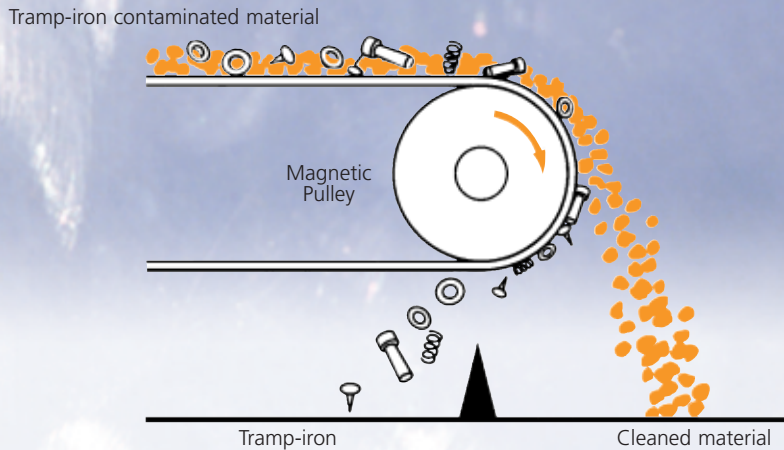
- Powerful uniform magnetic field over the pulley surface
- Robust (fully welded)
- Suitable for large and small tramp iron removal
- Suitable for variable belt speeds and burden depths
- Easily installed or retrofitted



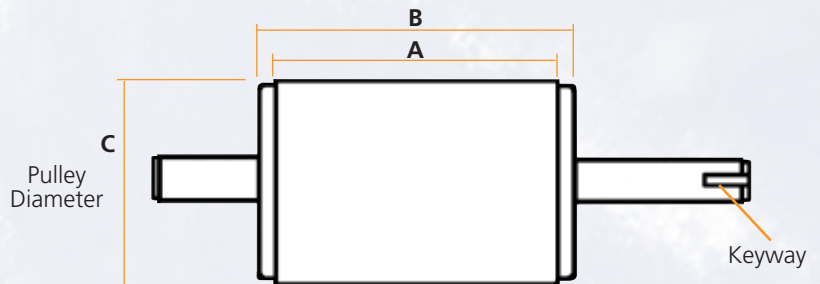
Principle of operation

When material contaminated with tramp iron is presented to the magnetic pulley, the iron is attracted to the belt surface. The cleaned, nonmagnetic material is discharged over the pulley as normal, whilst the iron is held by the pulley and discharged below the normal trajectory.

A divider arrangement is usually installed as indicated in the illustration. An adjustable divider will permit optimum positioning for specific conditions of material and tramp iron discharge.



Operating principle of a magnetic pulley



The dimensions of the shaft (length, diameter, etc) and the keyway (if required) are to the customer's reasonable specifications.

All dimensions are given for general guidance only.

Other sizes available on request.

Specifications

Belt width A	Pulley width B	Nominal Pulley diameters C						
		215	300	400	500	600	700	800
200	250	215	300	400	500	600	700	800
300	350	215	300	400	500	600	700	800
400	450	215	300	400	500	600	700	800
500	550	215	300	400	500	600	700	800
600	650	215	300	400	500	600	700	800
650	700	215	300	400	500	600	700	800
700	750	215	300	400	500	600	700	800
800	850	215	300	400	500	600	700	800
900	950	215	300	400	500	600	700	800
1000	1050	215	300	400	500	600	700	800
1100	1150	215	300	400	500	600	700	800
1200	1250	215	300	400	500	600	700	800

Dimensions are a guide only. Please ask for certified drawing when ordering.



One of the smallest Magnetic Pulleys in the range - 215mm diameter



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