

# Magnetic Separation Pulleys

Prevent Costly Damage & Reduce Product Liability

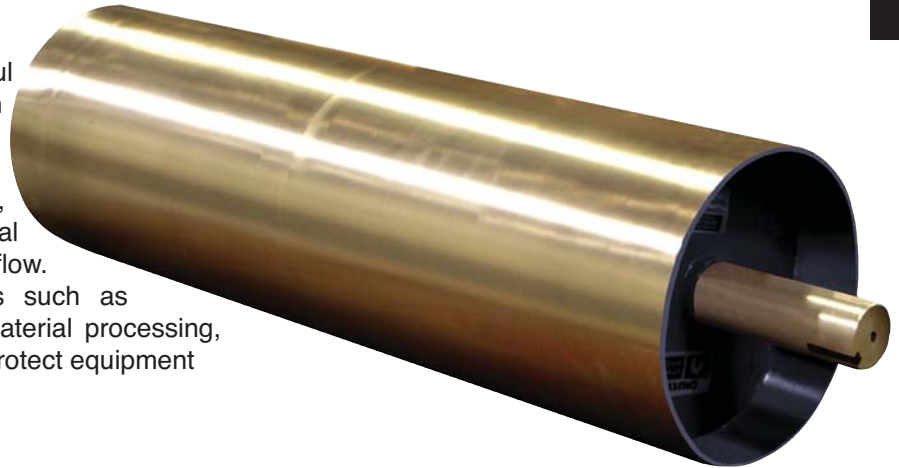


TG-11A

## INTRODUCTION:

Our comprehensive line of powerful permanent Magnetic Separation Pulleys are typically installed as head pulleys in conveyor system applications. They provide effective, automatic and continuous removal of tramp metal from a material flow.

Commonly used in industries such as waste recovery, mining and bulk material processing, pulleys improve product purity and protect equipment from metal damage.



## OPERATION:

As the belt conveyed product travels over the magnetic head pulley, any ferrous metal that's mixed in with the product is attracted and held to the face of the belt and carried to the underside of the conveyor. After the metal passes out of the magnetic field, it is released and discharged into a chute or bin for disposal.

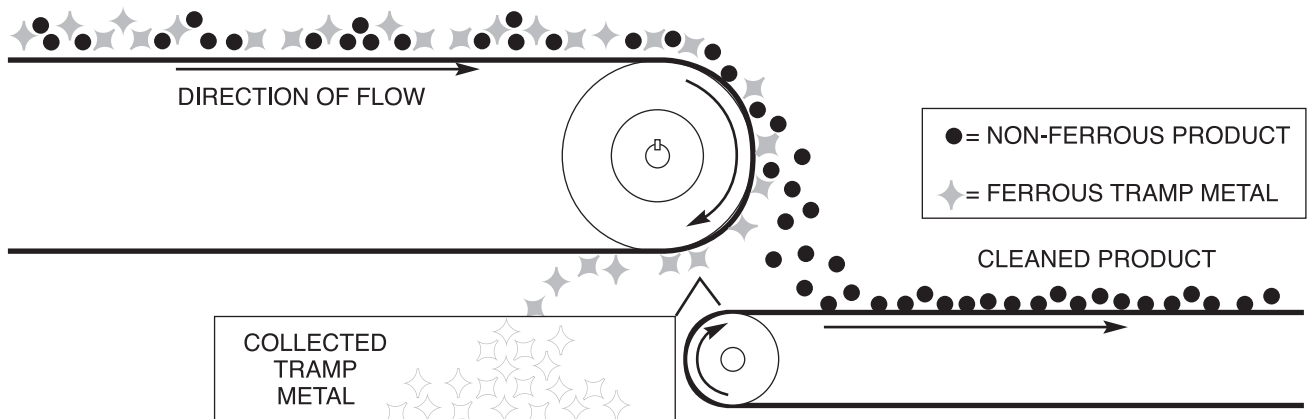
The cleaned product, which is unaffected by the magnetic field, is discharged normally over the pulley away from the tramp metal.

## FEATURES:

- Removable Steel Shaft
- Stainless Steel Shell
- Powerful Permanent Magnet Circuit
- Straight hub with keyway
- Taper lock on some models, call factory to verify.
- Axial magnetic circuit design

## OPTIONS:

- Crowned Face
- Stainless Steel Shaft
- Fixed or welded shafts
- Lagging (1/4", 3/8", & 1/2" thick)
- Special diameters and lengths
- Several different bearing styles available
- Many hub styles available including Taperlock and QD styles
- Radial magnetic circuit designs
- Custom computer designed magnetic circuits for difficult applications
- Pulley sizes available up to 60" in diameter and up to 96" wide



## Key Markets

Mining & Aggregate, Waste Recovery,  
Pulp & Paper, Foundry

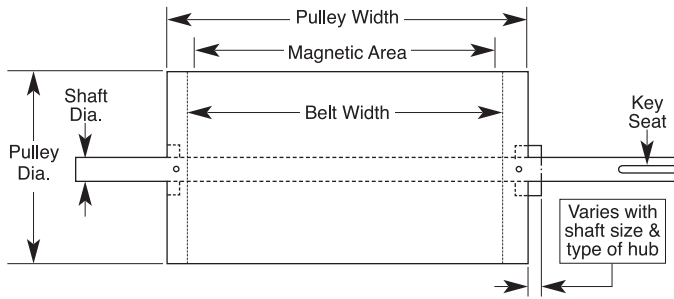
## Related Products

Suspended Overhead Magnets, Drum Separators

# Magnetic Separation Pulleys

## Standard Separation Pulleys and Specifications

### MAGNETIC SEPARATION PULLEY DIMENSIONS:



### NOTES:

The shaft sizes listed are nominal, however, due to variables in belt loading, every application must be evaluated by the factory before final sizes are determined.

### SELECTION:

- Pulleys are available in a wide variety of standard sizes to fit most belt configurations with diameters ranging from 6" to 24".
- Pulleys can be supplied with or without shafts.

### APPLICATION QUESTIONNAIRE:

Part Number if Standard Pulley: \_\_\_\_\_

Pulley Dia.: \_\_\_\_\_ Pulley Width: \_\_\_\_\_

Supply Shaft with Magnet?  Yes  No

If "No", what is required bore size?

Shaft Dia.: \_\_\_\_\_ Shaft Width: \_\_\_\_\_

Hubs:  Extended  Recessed  Flush  Taper-Lock

Hub Type or Brand: \_\_\_\_\_

Keyway:  Standard  Other (Attach Description)

Strength:  Standard  Super Strength

### Options

Crowned Face: \_\_\_\_\_ Degree (Std 1°x7") \_\_\_\_\_ Length \_\_\_\_\_

Lagging: \_\_\_\_\_ Type \_\_\_\_\_ Thickness \_\_\_\_\_

If Lagged & Crowned can Lagging be Crowned? \_\_\_\_\_

Application Description (Conveyor System Details and

Desired Tramp Metal Size for Separation): \_\_\_\_\_

Part Number	Pulley Dia.	Pulley Width	Belt Width	Magnet Area	Weight (Lbs.)	Shaft Dia.
PS0610	6-5/8"	10"	8"	8	39	1-7/16"
PS0612	6-5/8"	12"	10"	10	46	1-7/16"
PS0614	6-5/8"	14"	12"	10	56	1-7/16"
PS0616	6-5/8"	16"	14"	12	60	1-7/16"
PS0618	6-5/8"	18"	16"	14	66	1-7/16"
PS0620	6-5/8"	20"	18"	16	72	1-7/16"
PS0622	6-5/8"	22"	20"	18	78	1-7/16"
PS0626	6-5/8"	26"	24"	20	92	1-7/16"
PS0810	8-5/8"	10"	8"	8	65	1-7/16"
PS0812	8-5/8"	12"	10"	10	75	1-7/16"
PS0814	8-5/8"	14"	12"	10	95	1-7/16"
PS0816	8-5/8"	16"	14"	12	105	1-7/16"
PS0818	8-5/8"	18"	16"	14	110	1-7/16"
PS0820	8-5/8"	20"	18"	16	130	1-7/16"
PS0822	8-5/8"	22"	20"	18	140	1-7/16"
PS0826	8-5/8"	26"	24"	22	155	1-7/16"
PS1010	10"	10"	8"	8	113	1-15/16"
PS1012	10"	12"	10"	10	128	1-15/16"
PS1014	10"	14"	12"	10	155	1-15/16"
PS1016	10"	16"	14"	12	175	1-15/16"
PS1018	10"	18"	16"	14	195	1-15/16"
PS1020	10"	20"	18"	16	217	1-15/16"
PS1022	10"	22"	20"	18	239	1-15/16"
PS1026	10"	26"	24"	22	278	1-15/16"
PS1214	12"	14"	12"	10	220	1-15/16"
PS1216	12"	16"	14"	12	250	1-15/16"
PS1218	12"	18"	16"	14	275	1-15/16"
PS1220	12"	20"	18"	16	325	1-15/16"
PS1222	12"	22"	20"	17	350	2-7/16"
PS1226	12"	26"	24"	21	410	2-7/16"
PS1232	12"	32"	30"	27	500	2-7/16"
PS1238	12"	38"	36"	31	590	2-15/16"
PS1244	12"	44"	42"	39	685	2-15/16"
PS1251	12"	51"	48"	46	780	2-15/16"
PS1616	16"	16"	14"	12	360	2-7/16"
PS1618	16"	18"	16"	14	365	2-7/16"
PS1620	16"	20"	18"	16	450	2-7/16"
PS1622	16"	22"	20"	17	480	2-15/16"
PS1626	16"	26"	24"	21	560	2-15/16"
PS1632	16"	32"	30"	26	730	2-15/16"
PS1638	16"	38"	36"	32	860	2-15/16"
PS1644	16"	44"	42"	38	1,000	2-15/16"
PS1651	16"	51"	48"	45	1,135	2-15/16"
PS1818	18"	18"	16"	13	510	2-15/16"
PS1820	18"	20"	18"	15	650	2-15/16"
PS1822	18"	22"	20"	17	670	2-15/16"
PS1826	18"	26"	24"	20	800	2-15/16"
PS1832	18"	32"	30"	26	1,025	2-15/16"
PS1838	18"	38"	36"	32	1,260	2-15/16"
PS1844	18"	44"	42"	38	1,480	2-15/16"
PS1851	18"	51"	48"	45	1,700	2-15/16"
PS2420	24"	20"	18"	15	805	3-7/16"
PS2422	24"	22"	20"	17	950	3-7/16"
PS2426	24"	26"	24"	20	1,165	3-7/16"
PS2432	24"	32"	30"	26	1,530	3-7/16"
PS2438	24"	38"	36"	32	1,800	3-7/16"
PS2444	24"	44"	42"	38	2,050	3-7/16"
PS2451	24"	51"	48"	45	2,300	3-7/16"
PS2457	24"	57"	54"	51	2,700	3-15/16"
PS2463	24"	63"	60"	54	3,000	3-15/16"

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