

# DYNAFORCE

## Permanent Magnetic Pulleys



Magnetic pulleys are widely used in the processing and recycling industries. They are inherently self-cleaning, easy to install, and virtually maintenance free.

Walker DynaForce pulleys provide maximum holding force because they focus the Ceramax magnets on the pulley's peripheral surface. The Ceramax strontium-ferrite ceramic magnets never need charging and are impervious to weather.

Walker DynaForce Pulleys are manufactured in two configurations:

- Axial Pole Design
  - Features alternating magnetic poles around the pulley circumference.
  - Attracts most shapes of ferrous material
  - Produces uniformity across the belt width
- Radial Pole Design
  - Alternating magnetic poles across the pulley width
  - Primarily designed for elongated tramp iron, such as sprues in foundry sand

Available in a wide range of standard sizes, with diameters from 8" to 48", belt widths from 12" to 60", and belt speeds from 175 FPM to 435 FPM. The size required for an application is based on a number of factors, including the maximum and minimum size of particles, the type and size of ferrous materials to be separated, the moisture content of the burden, the angle of conveyor incline, and the system capacity in cubic feet or tons per hour.

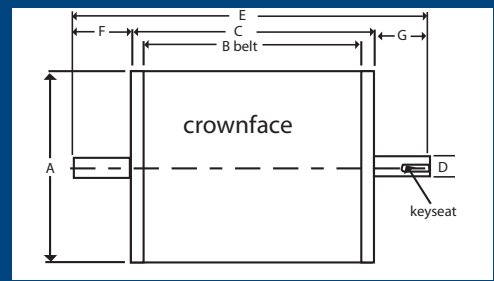
Contact a Walker Representative to select the proper unit to fit your specific application.

### Features:

- DynaForce Permanent Magnet Pulleys are powered by Ceramax® focused-flux strontium-ferrite ceramic magnets for superior coercive force.
- DynaForce's patented design concentrates attractive power on the pulley's peripheral surface, where it is needed most.
- Stainless steel outer skin ensures longer life.
- DynaForce is easy to install with sizes to fit every operation; shafts machined to specifications.



# SPECIFICATIONS



PULLEY SIZE		Code	1	2	3	4	5	6	7	8	9	10	11	12	13
		D	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 7/16	3 15/16	4 7/16	4 15/16	5 7/16	5 15/16	6 7/16	6 15/16
		Keyway	1/2 x 1/4		5/8 x 5/16		3/4 x 3/8	7/8 x 7/16	1 x 1/2		1 1/4 x 5/8		1 1/2 x 3/4		1 3/4 x 7/8
A	B	Capacity Cu. Ft./Hr.	Max. FPM	Ship Wt.	C	D	E		F		G		Key Length		
12	12	1,100	175	250	B + 2	1	29.5		6		9.5		3.75		
	18	1,850		300		1	35.5		6		9.5				
	24	3,500		410		2	43.5		7		10.5				
15	12	1,350	200	300	B + 2	2	31.5		7		10.5		3.75		
	18	1,850		400		2	37.5		7		10.5				
	24	4,000		560		4	45.5		8		11.5				
	30	6,250		730		5	51.5		8		11.5				
18	18	2,800	225	560	B + 2	3	37.5		7		10.5		3.75		
	24	4,500		800		5	45.5		8		11.5				
	30	7,100		1030		6	51.5		8		11.5				
	36	11,000		1260		7	60.5		9		13.5		4.75		
	42	14,950		2010		7	68.5		10		14.5				
	48	20,000		2320		7	74.5		10		14.5				
20	18	3,200	250	650	B + 2	3	37.5		7		10.5		3.75		
	24	5,000		910		5	45.5		8		11.5				
	30	8,000		1220		6	54.5		9		11.5		4.75		
	36	11,750		1480		6	60.5		9		13.5				
	42	17,000		2110		7	68.5		10		14.5		5.75		
	48	26,000		2420		7	74.5		10		14.5				
24	18	3,850	285	810	B + 2	5	8		11.5		10.5		3.75		
	24	5,800		1170		6	9		13.5		11.5				
	30	9,000		1530		7	10		14.5		13.5		4.75		
	36	13,250		1800		7	10		14.5		13.5				
	42	19,000		2740		8	11		16.5		14.5		5.75		
	48	26,000		3150		8	11		16.5		14.5				
30	24	6,600	330	1515	B + 2	7	50.5		10		14.5		4.75		
	30	10,500		2040		8	59.5		11		16.5				
	36	15,500		3440		8	65.5		11		16.5		5.75		
	42	21,000		4100		9	75.5		12		19.5				
	48	30,500		4700		9	81.5		12		19.5				
36	24	7,500	365	1990	B + 2	8	53.5		11		16.5		5.75		
	30	11,500		2510		8	59.5		11		16.5				
	36	17,000		440		9	69.5		12		19.5		7.75		
	42	24,500		5200		9	75.5		12		19.5				
	48	32,750		5950		10	84.5		13		21.5				
42	30	13,500	400	3060	B + 2	9	63.5		12		19.5		7.75		
	36	18,750		5490		10	72.5		13		21.5				
	42	26,750		6300		11	81.5		14		23.5		8.75		
	48	37,000		7280		12	91.5		16		25.5				
48	30	14,500	435	3580	B + 2	10	66.5		13		21.5		8.75		
	36	20,500		6700		11	75.5		14		23.5				
	42	29,000		7400		11	81.5		14		23.5		9.75		
	48	40,000		8460		13	91.5		16		25.5				