

Pemco Shopping Cart



Features

- Considered by many to be the standard of the industry.
- Wheel tread is mechanically locked to core. On KasterKat models wheel tread is also chemically bonded.
- Many Pemco models feature the patented sealed bearing features double ball raceway that is insert-molded into the hub. The single spindle design cannot become misaligned with use.

Applications

- Shopping carts

Options

- Anti-static and self-braking models available.
- Caster finish options including standard zinc plating, PemCoat and Precision Hollow Rivet.
- Wheel tread options including polyurethane, TPR and anti-static polyurethane.

Caster Finish Selection



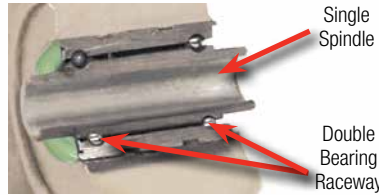
Standard Zinc plated



PemCoat™ optional finish prolongs caster fork life in the worst conditions. Available by special order only; please consult factory for minimums and details.

Pemco Bearing Difference

Legacy Single Spindle Bearing



Bearing is insert-molded into the polypropylene hub. This bearing is a single spindle design that cannot become misaligned with use. It is also sealed on both sides after being pre-lubricated with high quality grease.

New Dual Precision Bearing



Pemco now offers a new dual precision bearing for smooth, quiet rolling. This bearing is also pressed into the hub for greater durability and longer service life.

The **KasterKat** premium features a molded, red annular ring mixed with polyurethane, between the hub and our premium polyurethane tread. This process provides both a chemical bond and a mechanical lock between the tread and hub.

Polykat wheels features a polyurethane tread mechanically locked to a polypropylene core. This design helps prevent tread separation.

QuietKat wheels are very durable, roll easy and are well suited for a variety of applications. The wheel cushions your ride over rough surfaces, providing excellent shock absorption. The softer 88A Durometer TPR tread design will not mark your floors.

SuperKat wheels feature a soft natural rubber tread material along with a more rounded tread shape. This design allows the wheel to rotate as it is pulled sideways by cart pusher machines. Because the wheel is allowed to spin, even with sharp turns, it is much more resistant to flat spotting compared to conventional wheels. This design has been used successfully in Europe for over 20 years.



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Pemco Shopping Cart

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Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Bearing Bore (Inches)	Bearing Type	Tread/Core Color	Thread Guard Color	Wheel Features	Dynamic Load (Pounds)	Caster Model	Wheel Model
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KasterKat Premium

5"	1-1/4"	5-7/8"	5/16"	Single Spindle	Dark Blue/Grey	Dark Blue	Standard	250	77679E	83119E
				Single Spindle	Grey/Grey	Grey	Standard	250	77679Y	83119Y
				Single Spindle	Dark Blue/Grey	Dark Blue	Tensioner (Self Braking)	250	77695E	83207E



PolyKat

4"	1-1/4"	4-11/16"	5/16"	Single Precision	Dark Blue/Grey	Dark Blue	Standard	250	77687E	83194E
5"	1-1/4"	5-7/8"	5/16"	Dual Precision	Dark Blue/Grey	Dark Blue	Standard	250	77520EZ	83122EZ
				Dual Precision	Dark Grey/Black	Black	Standard	250	77688YZ	83195YZ
				Delrin	Black/Black	None	Economical	200	77142G	8161G
				Single Spindle	Dark Blue/Grey	Dark Blue	Anti-Static	250	77639E	83184E
				Single Spindle	Dark Blue/Grey	Orange	Tensioner (self-braking)	250	77662E	83190E
				Single Spindle	Dark Blue/Grey	Orange	Adjustable Tensioner	250	77692E	83202E
				Single Spindle	Dark Blue/Grey	Orange	Fusion: Anti-static/Tensioner	250	77699E	83206E



QuietKat

5"	1-1/4"	5-7/8"	5/16"	Dual Precision	Grey/Black	Black	Standard	250	77103Y	83203YZ
				Single Spindle	Grey/Black	Black	Anti-Static	250	77123Y	83211Y
				Single Spindle	Grey/Black	Orange	Tensioner (self-braking)	250	77124Y	83212Y
				Single Spindle	Grey/Black	Orange	Fusion: Anti-static/Tensioner	250	77125Y	83219Y



SuperKat

5"	1-1/4"	5-7/8"	5/16"	Dual Precision	Dark Blue/Grey	Dark Blue	Anti-flat spot for cart pushers	250	77146E	83224E
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PolyKat Anti-Static. Say goodbye to straps and chains. Patented anti-static wheel discharges static electricity of shopping cart every rotation of the wheel.



Standard **Tensioner** wheel reduces damage caused by rolling, unattended shopping carts. They are designed to hold unattended shopping carts on a slight slope (1-2 degrees) and slow down acceleration on greater slopes.



Adjustable Tensioner

wheels have deceleration is pre-set at the factory for average conditions. Parking lot conditions vary widely -- the amount of deceleration can easily be field adjusted to meet customer needs.



Fusion wheels feature the fusion of anti-static and tensioner wheel for the ultimate in shopper comfort and protection. No field adjustment necessary.



Pemco E-Line



Features

- Budget focused, and mass inventoried
- RoHS compliant industrial zinc finish for corrosion resistance
- Variety of the most popular sizes and tread widths
- Five brake options available on both swivel and rigid casters (Total Lock swivel only)
- Double ball raceways for smooth swiveling action
- 1/2" hollow axle with grease zerker and lock nut
- 1/4" thick steel leg construction
- 5/8" nut & bolt kingpin
- Weight capacities up to 1,250 lbs

Applications

- Industrial Equipment
- Material Handling
- Store fixtures
- Carts
- Institutional Equipment

Options

- **Wheel Face Brake**
- **Tread Lock Brake**
- **5" and 7" Cam Brake**
- **Tread Lock Brake**
- Roller bearing is standard, but optional precision ball bearings and Delrin bearings also available. PolyKat requires Precision ball bearing.

Wheel Selection



Floor Protection*	✓+	✓+	✓+	✓+	✓+	✓+	✓	✓	
Non-Marking		✓+	✓+	✓+	✓+	✓+	✓	✓	
Durability	✓	✓	✓	✓+	✓+	✓+	✓+	✓+	✓+
Cushioned Ride	✓+	✓+	✓+	✓	✓	✓			✓+
Chemical Resistance	✓	✓	✓	✓+	✓+	✓+	✓+	✓	✓+

*See page 48 for application details.

Brake Options

All brakes except total lock available on both swivel and rigid casters.



Tread Lock Brake
(TBK)



Total Lock
Integrated into swivel fork.

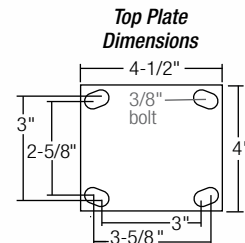


Short Pedal 5" Cam (CAMS)*



Long Pedal 7" Cam (CAML)*

*Roller Bearing required for all CAM brakes. Long Pedal CAM will not work with 4" models.



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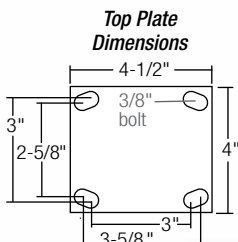


Pemco E-Line

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Wheel Dia.	Tread Width	Wheel Type	Load Capacity (lbs)	Mount Height	Swivel Radius	Standard Bearing	Swivel Caster Part #	Rigid Caster Part #	Total Lock Brake	Caster Bearing Options	Other Brake Options
4"	2"	PolyKat™ Thermo-Urethane	600	5-5/8"	Swivel Rig 3-3/8" Brakes Total Lock 5-7/16" Wheel Face 6-13/32" Tread Lock 3-5/8" Cam Short 4-23/32" Cam Long Not Available	Precision Ball	ES4X2PKTP8	ER4X2PKTP8	ET4X2PKTP8	N/A	(+) TBK
		Thermo-Urethane (Maroon/Grey)	500	5-5/8"		Roller	ES4X2TUM	ER4X2TUM	ET4X2TUM	(+) B, D	(+) TBK, CAMS
		Mold-on Poly	800	5-5/8"		Roller	ES4X2MOP	ER4X2MOP	ET4X2MOP	(+) B	
		Mold-on Rubber	400	5-5/8"		Roller	ES4X2MOR	ER4X2MOR	ET4X2MOR	(+) B	
		Thermo-Rubber (Flat)	300	5-5/8"		Roller	ES4X2TPR	ER4X2TPR	ET4X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	300	5-5/8"		Roller	ES4X2TPD	ER4X2TPD	ET4X2TPD	(+) B, D	
		Phenolic	800	5-5/8"		Roller	ES4X2PHN	ER4X2PHN	ET4X2PHN	(+) B, D	
		Polypropylene HD	500	5-5/8"		Roller	ES4X2POD	ER4X2POD	ET4X2POD	(+) B, D	
		Cast Iron	800	5-5/8"		Roller	ES4X2CIR	ER4X2CIR	ET4X2CIR	(+) B	
5"	2"	PolyKat™ Thermo-Urethane	800	6-1/2"	Swivel Rig 4" Brakes Total Lock 5-13/16" Wheel Face 7-1/32" Tread Lock 4" Cam Short 5" Cam Long 6"	Precision Ball	ES5X2PKTP8	ER5X2PKTP8	ET5X2PKTP8	N/A	(+) TBK
		Thermo-Urethane (Maroon/Grey)	600	6-1/2"		Roller	ES5X2TUM	ER5X2TUM	ET5X2TUM	(+) B, D	(+) TBK, CAMS, CAML
		Mold-on Poly	1100*	6-1/2"		Roller	ES5X2MOP	ER5X2MOP	ET5X2MOP	(+) B	
		Mold-on Rubber	400	6-1/2"		Roller	ES5X2MOR	ER5X2MOR	ET5X2MOR	(+) B	
		Thermo-Rubber (Flat)	350	6-1/2"		Roller	ES5X2TPR	ER5X2TPR	ET5X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	350	6-1/2"		Roller	ES5X2TPD	ER5X2TPD	ET5X2TPD	(+) B, D	
		Phenolic	1000*	6-1/2"		Roller	ES5X2PHN	ER5X2PHN	ET5X2PHN	(+) B, D	
		Polypropylene HD	600	6-1/2"		Roller	ES5X2POD	ER5X2POD	ET5X2POD	(+) B, D	
		Cast Iron	1000*	6-1/2"		Roller	ES5X2CIR	ER5X2CIR	ET5X2CIR	(+) B	
6"	2"	PolyKat™ Thermo-Urethane	1000*	7-1/2"	Swivel Rig 4-3/4" Brakes Total Lock 6" Wheel Face 7-21/32" Tread Lock 4-3/4" Cam Short 5-1/8" Cam Long 6-5/32"	Precision Ball	ES6X2PKTP8	ER6X2PKTP8	ET6X2PKTP8	N/A	(+) TBK
		Thermo-Urethane (Maroon/Grey)	720	7-1/2"		Roller	ES6X2TUM	ER6X2TUM	ET6X2TUM	(+) B, D	(+) TBK, CAMS, CAML
		Mold-on Poly	1200*	7-1/2"		Roller	ES6X2MOP	ER6X2MOP	ET6X2MOP	(+) B	
		Mold-on Rubber	550	7-1/2"		Roller	ES6X2MOR	ER6X2MOR	ET6X2MOR	(+) B	
		Thermo-Rubber (Flat)	500	7-1/2"		Roller	ES6X2TPR	ER6X2TPR	ET6X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	500	7-1/2"		Roller	ES6X2TPD	ER6X2TPD	ET6X2TPD	(+) B, D	
		Phenolic	1200*	7-1/2"		Roller	ES6X2PHN	ER6X2PHN	ET6X2PHN	(+) B, D	
		Polypropylene HD	600	7-1/2"		Roller	ES6X2POD	ER6X2POD	ET6X2POD	(+) B, D	
		Cast Iron	1200*	7-1/2"		Roller	ES6X2CIR	ER6X2CIR	ET6X2CIR	(+) B	
8"	2"	PolyKat™ Thermo-Urethane	1200*	9-1/2"	Swivel Rig 6-1/4" Brakes Total Lock 6-3/8" Wheel Face 9-1/16" Tread Lock 6-1/4" Cam Short 6-1/4" Cam Long 6-5/8"	Precision Ball	ES8X2PKTP8	ER8X2PKTP8	ET8X2PKTP8	N/A	(+) TBK
		Thermo-Urethane (Maroon/Grey)	800	9-1/2"		Roller	ES8X2TUM	ER8X2TUM	ET8X2TUM	(+) B, D	(+) TBK, CAMS, CAML
		Mold-on Poly	1250*	9-1/2"		Roller	ES8X2MOP	ER8X2MOP	ET8X2MOP	(+) B	
		Mold-on Rubber	600	9-1/2"		Roller	ES8X2MOR	ER8X2MOR	ET8X2MOR	(+) B	
		Thermo-Rubber (Flat)	600	9-1/2"		Roller	ES8X2TPR	ER8X2TPR	ET8X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	600	9-1/2"		Roller	ES8X2TPD	ER8X2TPD	ET8X2TPD	(+) B, D	
		Phenolic	1250*	9-1/2"		Roller	ES8X2PHN	ER8X2PHN	ET8X2PHN	(+) B, D	
		Polypropylene HD	900	9-1/2"		Roller	ES8X2POD	ER8X2POD	ET8X2POD	(+) B, D	
		Cast Iron	1250*	9-1/2"		Roller	ES8X2CIR	ER8X2CIR	ET8X2CIR	(+) B	

*Maximum weight capacity of total lock brake casters is 900 lbs. each



 Rubber swivel seal keeps dirt out and lube in for longer caster life. Add **RS** after ES. Example: **ESRS4X2MOR**

Bearing Options

