



YOUR GLOBAL SOLUTION

FOR SHOPPING CART, BUGGIE, AND
TROLLEY CASTERS & WHEELS





What is the Colson Group?

- Local service worldwide with more manufacturing and distribution locations than any other manufacturer
- State-of-the-art manufacturing and testing equipment to assure consistent quality
- Your worldwide caster technology leader with more than 40 design engineers on staff to develop the perfect caster for any application
- The most complete line of casters in the world with capacities ranging from 40 lbs to 100,000 lbs each
- One stop shopping for all your worldwide caster needs to simplify your business
- The highest value for your money

Pemco Project Green

Millions and millions of shopping cart wheels are unnecessarily sent to landfills every year. Pemco offers recycle programs that are environmentally friendly.



PolyKat®



- Industry standard for years
- Precision-molded polyurethane tread, mechanically locked to a polypropylene core
- Non-marking and floor protective
- Resistant to most chemicals, solvents, acids and oils
- Single spindle, sealed double raceway bearings cannot become misaligned with use
- Insert molded bearings are rust resistant and sealed on both sides after being pre-lubricated with high-quality grease
- Limited warranty that guards wheels against failure or wear out, beyond a reasonably serviceable condition for the life of your portable product

Specifications

Wheel Dia.	Tread Width	Capacity	Load Height
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Caster Model: 7904ZE
Wheel Model: 83169E

4"	1"	165 lbs	4-15/16"
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Caster Model: 7760ZE
Wheel Model: 83120E

4"	1-1/4"	250 lbs	4-15/16"
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Caster Model: 77520E
Wheel Model: 83122E

5"	1-1/4"	250 lbs	5-7/8"
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Optional Grey Black Model
Caster Model: 77688Y
Wheel Model: 83195Y

5"	1-1/4"	250 lbs	5-7/8"
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Standard threaded fitting 1/2"-13x1" long. Wheel bearing bore is 5/16". Riveted models are available, consult factory.

KasterKat®



- The premium "Red Ring" wheel
- Industry standard for years
- Proven quality in the harshest retail environments
- Polyurethane tread is chemically bonded and mechanically locked between the tread and polypropylene core
- Smoothest rolling surface, with additional shock absorbing features not found in competitor's wheels.
- Non-marking and floor protective
- Resistant to most chemicals, solvents, acids and oils
- Single spindle, sealed double raceway bearings cannot become misaligned with use
- Insert molded bearings are rust resistant and sealed on both sides after being pre-lubricated with high-quality grease.
- Limited warranty that guards wheels against failure or wear out, beyond a reasonably serviceable condition for the life of your portable product

Specifications

Bolted Axle Caster Model: 77679E
Wheel Model: 83119E

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Wheel bearing bore is 5/16". Riveted models are available, consult factory.

Nylakat



NylaKat™ casters will elevate both the performance and appearance of your shopping carts, all while helping reduce the noise within your store. Keep your carts looking newer longer and provide a smoother and quieter experience for your shoppers with NylaKat™ casters.

- Durable, glass-filled nylon body maintains original appearance longer and will not rust, creating a safer environment for shoppers
- Sealed precision ball bearing swivel is more ergonomic and provides a better seal from dirt and debris compared to steel casters
- Ultra-quiet operation reduces noise in your store
- Durability comparable to steel casters
- Available with any of our premium shopping cart wheels (shown with matching QuietKat wheel); contact us for free samples

Specifications

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Wheel bearing bore is 5/16." Riveted models are available, consult factory.

Quietkat



QuietKat wheels are very durable, roll easily, and are well suited to a variety of applications. These lightweight wheels cushion any ride over rough surfaces, providing excellent shock absorption. The soft 88A Durometer thermoplastic rubber tread will not mark floors.

- Designed to reject debris
- Resistant to chemicals, water, and steam
- Can withstand a variety of weather conditions
- Thread guards are designed as a grease seal and are date stamped

Specifications

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Wheel bearing bore is 5/16." Riveted models are available, consult factory.

Precision Swivel Rig



- Proven market leader.
- Established use in various operating environments.
- Sealed Ball bearing headwork delivers high range manoeuvrability.
- Zinc plated with lacquer coating to give extended life against corrosion resistance.
- Resistant to chemicals, solvents, acids and oils.
- Low noise emissions.
- Total stop brake option for Child safety.
- Fully compliant with BS EN 1929.
- Anti-static and colour options available.

Specifications

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Wheel bearing bore is 5/16." Riveted models are available, consult factory.

SuperKat®



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.

Specifications

Wheel Model: 83244E

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Wheel bearing bore is 5/16".

Tensioner



Tensioner

- Pemco's standard tensioner wheel reduces damage caused by rolling, unattended shopping carts
- Designed to hold unattended shopping carts on a slight slope (1-2 degrees) and slow down acceleration on greater slopes

Adjustable Tensioner

- 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
- Patent 4,318,204 & 5,002,163

Specifications

Tensioner Models

PolyKat Wheels
Caster Model: 77662E
Wheel Model: 83190E

KasterKat Wheels
Caster Model: 77695E
Wheel Model: 83207E

Adjustable Tensioner Models

PolyKat Wheels
Caster Model: 77692E
Wheel Model: 83202E

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Standard threaded fitting 1/2"-13x1" long. Wheel bearing bore is 5/16". Riveted models are available, consult factory.

Anti-Static



- Shoppers don't want to be zapped with static electricity . . . here's the solution
- Every rotation of the wheel discharges static electricity
- No more chains or straps to become entangled or break
- Synthetic resin conductor in wheel is impregnated with electrically conductive material that is connected to the caster and ultimately the shopping cart
- Features PolyKat wheel tread core and bearing design
- Limited warranty that guards wheels against failure or wear out, beyond a reasonably serviceable condition for the life of your portable product



Specifications

Caster Model: 77639E
Wheel Model: 83184E

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Standard threaded fitting 1/2"-13x1" long. Wheel bearing bore is 5/16". Riveted models are available, consult factory.

Fusion



- The fusion of anti-static and tensioner wheel for the ultimate in shopper comfort and protection
- No field adjustment necessary
- Patent 7,464,797
- Features PolyKat wheel tread core and bearing design
- Limited Warranty that guards wheels against failure or wear out, beyond a reasonably serviceable condition for the life of your portable product

Specifications

Bolted Axle Caster Model: 77699E
Wheel Model: 83206E

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Standard threaded fitting 1/2"-13x1" long. Wheel bearing bore is 5/16".

Snow Guard



Specially designed to keep excess snow and water from being carried inside by your carts, adding the Pemco snow-guards will help keep your store cleaner, drier, and safer. Customers will appreciate carts that handle easier and look better—snow, rain, or shine.

- Full thread guards reduce the amount of snow and water carried into store
- Enhances cart appearance and reduces dust and dirt accumulation
- Prevents entangling debris from entering the wheel

Specifications

Bolted Axle Caster Model: 77699E
Wheel Model: 83244E

Wheel Dia.	Tread Width	Capacity	Load Height
5"	1-1/4"	250 lbs	5-7/8"

Standard threaded fitting 1/2"-13x1" long. Wheel bearing bore is 5/16".

Options



- TPR black/gray wheel models available on all PolyKat models



- New hollow rivet precision swivel caster option available on all models
- This caster will reduce the occurrence of flutter or shimmy commonly found on many of today's shopping carts.



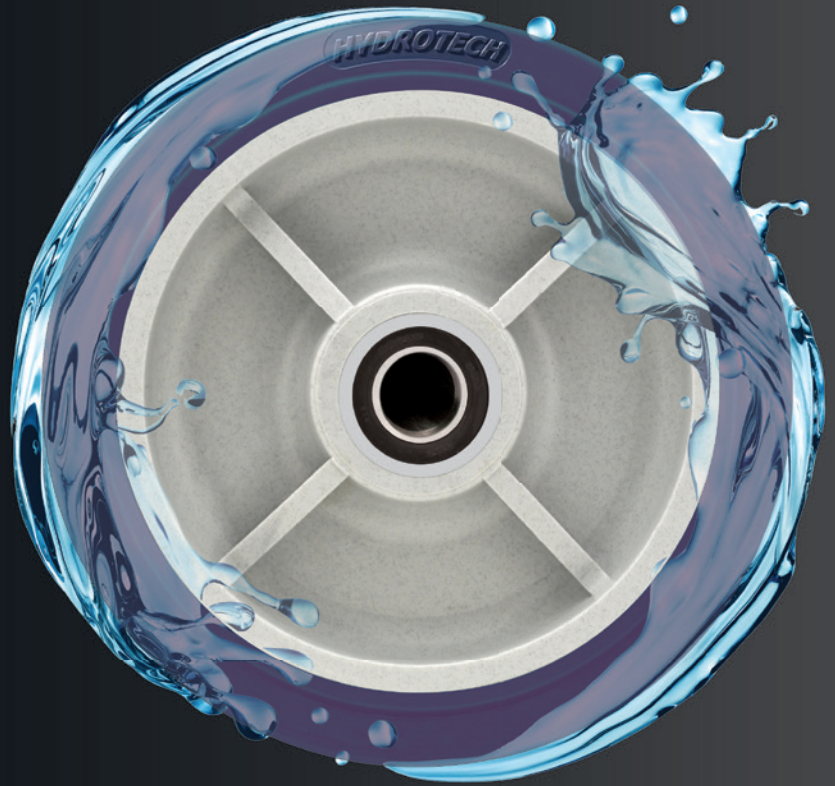
- Optional PemCoat™ finish prolongs caster fork life in the worst conditions

HYDROTECH™



The innovative new TPE alloy HYDROTECH™ wheels are formulated and designed to withstand continuous exposure to moisture, significantly increasing life expectancy compared to TPU

- Fusion bonded to prevent tread separation and reduce noise related to mechanical interlock failures
- Same load capacity and reliability as TPU
- Excellent abrasion resistant 40D(±5) durometer
- USA-made wheel is built to last and backed with confidence by an industry leading 3-year warranty
- Since 1885, Colson's quality lines of casters and wheels have defined the caster industry
- **The TPE Wheel is fully recyclable as TPO or PP after the bearing has been removed**



Replacement Wheels



HydroTech Flat Tread

Temp range: -45°F to +180°F
intermittent service; (120°F
continuous service).

Durometer: 40 ±(5) Shore D

Standard Bearings

Wheel Dia.	Tread Width	Capacity Each (Lbs)	Bearing	Wheel Model	Wheel			Spanner Bushing	
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length
4"	2"	600	Plain Bore	WH4X2TPE19	—	13/16"	23/16"	—	—
		600	Delrin	504000HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		600	Pedestal Precision Ball	504000HF5	1/2"	13/16"	27/16"	—	—
		600	Roller	504000HF9	3/4"	13/16"	23/16"	1/2"	27/16"
5"	2"	750	Plain Bore	WH5X2TPE19	—	13/16"	23/16"	—	—
		750	Delrin	505000HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		750	Pedestal Precision Ball	505000HF5	1/2"	13/16"	27/16"	—	—
		750	Roller	505000HF9	3/4"	13/16"	23/16"	1/2"	27/16"
6"	2"	900	Plain Bore	WH6X2TPE19	—	13/16"	23/16"	—	—
		900	Delrin	506000HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		900	Pedestal Precision Ball	506000HF5	1/2"	13/16"	27/16"	—	—
		900	Roller	506000HF9	3/4"	13/16"	23/16"	1/2"	27/16"
8"	2"	1000	Plain Bore	WH8X2TPE19	—	13/16"	23/16"	—	—
		1000	Delrin	508000HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		1000	Pedestal Precision Ball	508000HF5	1/2"	13/16"	27/16"	—	—
		1000	Roller	508000HF9	3/4"	13/16"	23/16"	1/2"	27/16"

Stainless Steel Components

Wheel Dia.	Tread Width	Capacity Each (Lbs)	Bearing	Wheel Model	Wheel			Spanner Bushing	
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length
4"	2"	600	Plain Bore	WH4X2TPE19	—	13/16"	23/16"	—	—
		600	Delrin	504040HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		600	Pedestal Precision Ball	504040HF5	1/2"	13/16"	27/16"	—	—
		600	Roller	504040HF9	3/4"	13/16"	23/16"	1/2"	27/16"
5"	2"	750	Plain Bore	WH5X2TPE19	—	13/16"	23/16"	—	—
		750	Delrin	505040HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		750	Pedestal Precision Ball	505040HF5	1/2"	13/16"	27/16"	—	—
		750	Roller	505040HF9	3/4"	13/16"	23/16"	1/2"	27/16"
6"	2"	900	Plain Bore	WH6X2TPE19	—	13/16"	23/16"	—	—
		900	Delrin	506040HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		900	Pedestal Precision Ball	506040HF5	1/2"	13/16"	27/16"	—	—
		900	Roller	506040HF9	3/4"	13/16"	23/16"	1/2"	27/16"
8"	2"	1000	Plain Bore	WH8X2TPE19	—	13/16"	23/16"	—	—
		1000	Delrin	508040HF1	3/4"	13/16"	23/16"	1/2"	27/16"
		1000	Pedestal Precision Ball	508040HF5	1/2"	13/16"	27/16"	—	—
		1000	Roller	508040HF9	3/4"	13/16"	23/16"	1/2"	27/16"

HydroTech Chemical Chart

Organics & Solvents

Acetone	G
Alcohol, butyl	GG
Alcohol, ethyl	GG
Alcohol, methyl	GG
Aniline	G
Benzene	X
Bravo (wax stripper diluted)	E
Carbon disulfide	X
Carbon tetrachloride	X
Chlorobenzene	X
Chloroform	X
Colson 45 lubricant	G
Enclean SS-2 (parts cleaner)	X
Ethyl acetate	F
Ethylene chloride	F
Ethylene dichloride	G
Ethyl ether	G
Formaldehyde, 37%	G
Gasoline	X
Heptane	X

Methylene chloride	X
Methyl ethyl ketone	F
Oakite (floor cleaner)	E
Orangeve	X
Naptha	F
Nitrobenzene	X
Phenol	X
Toluene	X
Trichloroethylene	X
Varsol	X
Vestalene (detergent diluted)	E
Urine	E
Gases	
Carbon dioxide	G
Carbon monoxide	G
Chlorine, wet	F
Chlorine, dry	F
Hydrogen sulfide	F
Sulfur dioxide, wet	F
Sulfur dioxide, dry	F

Acids

Acetic, 10-50%	G
Acetic, 75%	GG
Acetic, glacial	GG
Boric	G
Butyric	G
Chromic	F
Citric	G
Fluoboric	G
Hydrobromic, 25%	G
Hydrochloric, 10%	G
Hydrofluoric	F
Lactic	F
Nitric, 5%	G
Nitric, 65%	X
Oleic	G
Oleum	X
Oxalic	G
Phosphoric, 25%	G
Phosphoric, 85%	G
Sulfuric, 10%	G

Sulfuric, 78%
Tannic

Alkalies

Tartaric	F
Ammonium hydroxide	G
Calcium hydroxide	G
Potassium hydroxide	G
Sodium hydroxide	G

Salts

Acid salts	G-F
Alkaline salts	G
Neutral salts	G
Miscellaneous salts:	
Potassium dichromate	G
Potassium permanganate	G
Salt water	G
Sodium cyanide	G
Sodium ferricyanide	G
Sodium hypochlorite	G

E=Excellent G=Good F=Fair X=Unacceptable

This chart lists an extensive range of chemicals, solvents and gases. Examine the listings in this chart to determine if your application is considered compatible with HydroTech wheels. Ratings are at 72°F. Concentrations of aqueous solutions are saturated except where noted. Information in this chart is based on laboratory tests and results may vary in actual caster applications. Field testing is recommended to confirm compatibility with your particular application. For information on the compatibility of other fluids and chemicals, please contact the factory.

Backroom/Platform Cart Casters

FEATURES:

- Excellent for heavy duty retail carts, backroom carts, flatbed carts and platform trucks
- Zinc finish
- Hardened double ball bearing raceways
- Standard 1/2" diameter axle with locknut
- Two year limited warranty
- Three year limited warranty on Premium PolyKat™ models

OPTIONS:



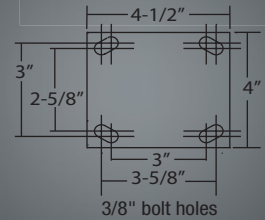
Verti-Lock tread
brake specify VLK

Posi-Lok tread
brake specify PSK

Optional PemCoat™
finish prolongs
caster fork life in
the worst conditions



Top Plate Specifications:



Specifications

Wheel Dia.	Tread Width	Wheel Type	Bearing Type	Capacity	Load Height	Swivel Radius	Approx. Weight	Swivel Model	Rigid Model
4"	2"	TPR QuietKat™ Flat	Roller	350 lbs	5-5/8"	3-5/8"	6-1/2 lbs	77727Y	78814Y
		Premium Polyurethane PolyKat™ Grey	Roller	700 lbs	5-5/8"	3-5/8"	6-1/2 lbs	77750Y	78840Y
5"	2"	TPR QuietKat™ Flat	Roller	375 lbs	6-1/2"	4-1/8"	7 lbs	77725Y	78815Y
		Mold-On Rubber on Iron	Roller	400 lbs	6-1/2"	4-1/8"	7 lbs	77718	78807
		Standard Polyurethane Grey	Roller	800 lbs	6-1/2"	4-1/8"	7 lbs	77738Y	78830Y
6"	2"	Premium Polyurethane PolyKat™ Grey*	Roller	800 lbs	6-1/2"	4-1/8"	7 lbs	77701Y	78801Y
		Mold-On Rubber	Roller	410 lbs	7-1/2"	4-3/4"	9 lbs	77720	78809
		TPR QuietKat™ Round	Roller	450 lbs	7-1/2"	4-3/4"	8 lbs	77726Y	78816Y
		TPR QuietKat™ Flat	Roller	600 lbs	7-1/2"	4-3/4"	8 lbs	77742Y	78831Y
		Standard Polyurethane Grey	Roller	1000 lbs	7-1/2"	4-3/4"	8 lbs	77732Y	78821Y
8"	2"	Premium Polyurethane PolyKat™ Grey*	Roller	1000 lbs	7-1/2"	4-3/4"	8 lbs	77700Y	78800Y
		Mold-On Rubber	Roller	410 lbs	7-1/2"	4-3/4"	10 lbs	77722	78811
		TPR QuietKat™ Round	Roller	450 lbs	7-1/2"	4-3/4"	8 lbs	77744Y	78833Y
		TPR QuietKat™ Flat	Roller	600 lbs	7-1/2"	4-3/4"	8 lbs	77746Y	78835Y
		Standard Polyurethane Grey	Roller	900 lbs	7-1/2"	4-3/4"	8 lbs	77749Y	78838Y
		Premium Polyurethane PolyKat™ Grey*	Roller	1000 lbs	7-1/2"	4-3/4"	8 lbs	77723Y	78812Y

*Durability testing has shown that Premium PolyKat™ wheels can last up to 3 times longer than standard polyurethane models.

All polyurethane models in chart are grey tread. To order blue tread polyurethane wheels change Y to E. Custom colors available—consult Pemco. Delrin and precision ball bearings available on all models—consult Pemco.



QuietKat™
Round
(Durometer
70A)



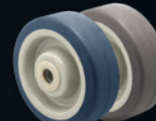
QuietKat™
Flat
(Durometer
70A)



Moldon
Rubber
(Durometer
75A)



Standard
Polyurethane Blue
or Grey
(Durometer 55D)



Premium
Polyurethane
PolyKat™ Blue or
Grey
(Durometer 55D)



colson

ALBION

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caster corporation

MedCaster

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