

**PEMCO**<sup>®</sup>



Select Pemco E-Line casters are NSF listed.

# E-LINE<sup>™</sup>

*The Ultimate Value in Multipurpose Casters, Wheels & Accessories*



**THE GLOBAL LEADER**  
IN **CASTERS** AND **WHEELS**.

[www.pemcocasters.com/E-Line](http://www.pemcocasters.com/E-Line)

# E-LINE The Ultimate Value in Multipurpose Casters & Wheels

- Weight capacities on swivel and rigid casters up to 1,250 lbs. ... total lock casters up to 900 lbs.
- Variety of the most popular 4", 5", 6" & 8" diameter x 2" tread width wheels
- Double ball raceways for smooth swiveling action
- 1/4" thick steel leg construction on swivel and rigid casters ... 3/16" construction on total lock casters
- 5/8" diameter permanent rivet kingpin
- RoHS compliant industrial zinc finish for corrosion resistance
- 1/2" hollow axle with grease zerk and lock nut
- Total lock permanently integrated into swivel fork on total lock models

## Swivel Brake Choices



**Total Lock**  
Integrated into swivel fork ... locks and unlocks both wheel and swivel with a toe tap.



Wheel Face Brake (WFB)



Tread Lock Brake (TBK)



Short Pedal - 5" Length Cam Brake (CAMS)



Long Pedal - 7" Length Cam Brake (CAML)

Roller Bearing required for Cam Brakes. 7" CAML will not work on 4" casters.

## Rigid Brake Choices



Wheel Face Brake (WFB)



Tread Lock Brake (TBK)



Short Pedal - 5" Length Cam Brake (CAMS)



Long Pedal - 7" Length Cam Brake (CAML)

Roller Bearing required for Cam Brakes. 7" CAML will not work on 4" casters.

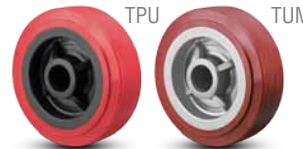
## PolyKat™ Thermo-Urethane



- Premium Polyurethane on Glass reinforced Polypropylene core.
- Maintenance free, sealed precision ball bearings.
- Excellent roll-ability and floor protection.
- High load capacity and impact strength.
- Good in wet applications, resistant to most chemicals.

Durometer: 55 Shore D (±5)

## Thermo-Urethane



- Polyurethane tread mechanically locked to polypropylene core.
- Available in red on black or maroon on gray.
- Attractive, all-purpose wheel.
- Good in wet applications, resistant to most chemicals.

Durometer: 95 Shore A (±5)

## Mold-on Poly



- Polyurethane bonded to cast iron core.
- High load capacity.
- Good roll-ability and floor protection.

Durometer: 95 Shore A (±5)

## Phenolic



- High load capacity.
- Hard tread, rolls easily.
- Excellent impact strength.
- Abrasion resistant.

Durometer: 90 Shore D (±5)

## Polypropylene HD



- Lightweight economical wheel.
- Good load capacity.
- Excellent impact strength
- Superior in wet environments, resistant to most chemicals.

Durometer: 70 Shore D (±5)

## Cast Iron



- Solid 1 piece construction.
- High load capacity.
- Hard tread, rolls easily.
- Excellent impact strength.
- High temperature industrial use up to 600°F – must use optional steel retainer washers (SW).

## Mold-on Rubber



- Rubber bonded to cast iron core.
- Quiet, shock absorbing ride.

Durometer: 85 Shore A (±5)

## Thermo-Rubber Flat and Donut



- Non-marking tread.
- Good floor protection.
- Quiet, shock absorbing ride.
- Good in wet environments, resistant to most chemicals.

Durometer: 90 Shore A (±5)

## Thread Guards

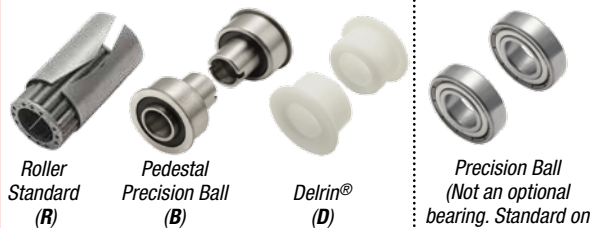


Plastic thread guards (TG2)

Metal thread guards (TG1)

Thread Guards help keep debris out of the wheel bearings. To order: add **TG1** for metal or **TG2** for plastic, to the end of the caster part number. TG2 option only available on TPR & TPD wheels in 5", 6" & 8" diameters – no other wheels currently available with TG2 option.

## Bearing Choices



To change the standard roller bearing to an optional bearing in a caster, add **B** or **D** to the end of the part#. To order wheel only with bearing installed, replace 19 with bearing code **R**, **B** or **D**.

## Retainer Washer Option

Plastic retainer washers come standard on wheels with roller bearings; to order optional steel retainer washers add **SW** to the end of the part#. Example ES6X2CIRSW

### Standard



### Optional



## Sealed Raceway Option

Rubber raceway seals keeps dirt out and lube in for longer caster life. Add **RS** after **ES** for free swivel models (example: **ESRS6X2TPR**). Seals are not available for total lock models.



# Caster Specifications

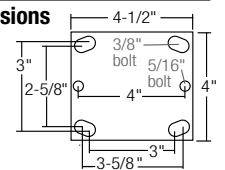


Wheel Dia.	Tread Width	Wheel Type	Load Capacity (lbs)	Mount Height	Swivel Radius	Standard Bearing	Swivel Caster Part #	Rigid Caster Part #	Total Lock Brake	Caster Bearing Options	Other Brake Options
4"	2"	PolyKat™ Thermo-Urethane	600	5-5/8"	Swivel Models 3-3/8"	Precision Ball	ES4X2PKTP8	ER4X2PKTP8	ET4X2PKTP8	N/A	(+) WFB, TBK
		Thermo-Urethane (Red/Black)	500	5-5/8"		Roller	ES4X2TPU	ER4X2TPU	ET4X2TPU	(+) B, D	(+) WFB, TBK, CAMS
		Thermo-Urethane (Maroon/Grey)	500	5-5/8"		Roller	ES4X2TUM	ER4X2TUM	ET4X2TUM	(+) B, D	
		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 Models 4"	Precision Ball	ES5X2PKTP8	
Thermo-Urethane (Red/Black)	600			6-1/2"	Roller	ES5X2TPU	ER5X2TPU		ET5X2TPU	(+) B, D	(+) WFB, TBK, CAMS, CAML
Thermo-Urethane (Maroon/Grey)	600			6-1/2"	Roller	ES5X2TUM	ER5X2TUM		ET5X2TUM	(+) B, D	
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 Models 4-3/4"		Precision Ball	ES6X2PKTP8	
		Thermo-Urethane (Red/Black)	720	7-1/2"	Roller	ES6X2TPU		ER6X2TPU	ET6X2TPU	(+) B, D	(+) WFB, TBK, CAMS, CAML
		Thermo-Urethane (Maroon/Grey)	720	7-1/2"	Roller	ES6X2TUM		ER6X2TUM	ET6X2TUM	(+) B, D	
		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 Models 6-1/4"	Precision Ball	ES8X2PKTP8	
Thermo-Urethane (Red/Black)	800			9-1/2"	Roller	ES8X2TPU	ER8X2TPU		ET8X2TPU	(+) B, D	(+) WFB, TBK, CAMS, CAML
Thermo-Urethane (Maroon/Grey)	800			9-1/2"	Roller	ES8X2TUM	ER8X2TUM		ET8X2TUM	(+) B, D	
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

Note: Swivel radius shown for standard models. Some brake models will have a larger swivel radius.

### Top Plate Dimensions



ES6X2MOR



ES6X2TPDWFB



ES6X2TUMCAMS



ER6X2PODTBK



ES6X2MOPTBK



ET6X2TPR



ES6X2TPUCAML



ET6X2PKTP8



ES6X2PHNCAML



ES6X2CIR



# E-LINE Components

## Swivel and Rigid Rigs



Wheel Dia.	Tread Width	*Load Capacity (lbs)	Mount Height	Swivel Caster Part #	Rigid Caster Part #
4"	2"	1250	5-5/8"	RIG4X2ES	RIG4X2ER
5"	2"	1250	6-1/2"	RIG5X2ES	RIG5X2ER
6"	2"	1250	7-1/2"	RIG6X2ES	RIG6X2ER
8"	2"	1250	9-1/2"	RIG8X2ES	RIG8X2ER

## Total Lock Rigs



Wheel Dia.	Tread Width	*Load Capacity (lbs)	Mount Height	Swivel Radius	Part #
4"	2"	900	5-5/8"	5-7/16"	RIG4X2EST
5"	2"	900	6-1/2"	5-13/16"	RIG5X2EST
6"	2"	900	7-1/2"	6"	RIG6X2EST
8"	2"	900	9-1/2"	6-3/8"	RIG8X2EST

\*Some wheels have lower capacities. See pemcocasters.com/eline for specifications.

## Wheels See page 2 for wheel descriptions.



Wheel Dia.	Tread Width	Wheel Type	Load Capacity (lbs)	Standard Bore	Wheel Part # (Plain bore)	Bearing Options
4"	2"	PolyKat™ Thermo-Urethane	600	1/2"	WH4X2PKTP8	Prec. Ball
		Thermo-Urethane (Red/Black)	500	1-3/16"	WH4X2TPU19	(+) B, D, R
		Thermo-Urethane (Maroon/Grey)	500	1-3/16"	WH4X2TUM19	(+) B, D, R
		Mold-on Poly	800	1-3/16"	WH4X2MOP19	(+) B, R
		Mold-on Rubber	400	1-3/16"	WH4X2MOR19	(+) B, R
		Thermo-Rubber (Flat)	300	1-3/16"	WH4X2TPR19	(+) B, D, R
		Thermo-Rubber (Donut)	300	1-3/16"	WH4X2TPD19	(+) B, D, R
		Phenolic	800	1-3/16"	WH4X2PHN19	(+) B, D, R
		Polypropylene HD	500	1-3/16"	WH4X2POD19	(+) B, D, R
		Cast Iron	800	1-3/16"	WH4X2CIR19	(+) B, R
5"	2"	PolyKat™ Thermo-Urethane	800	1/2"	WH5X2PKTP8	Prec. Ball
		Thermo-Urethane (Red/Black)	600	1-3/16"	WH5X2TPU19	(+) B, D, R
		Thermo-Urethane (Maroon/Grey)	600	1-3/16"	WH5X2TUM19	(+) B, D, R
		Mold-on Poly	1100	1-3/16"	WH5X2MOP19	(+) B, R
		Mold-on Rubber	400	1-3/16"	WH5X2MOR19	(+) B, R
		Thermo-Rubber (Flat)	350	1-3/16"	WH5X2TPR19	(+) B, D, R
		Thermo-Rubber (Donut)	350	1-3/16"	WH5X2TPD19	(+) B, D, R
		Phenolic	1000	1-3/16"	WH5X2PHN19	(+) B, D, R
		Polypropylene HD	600	1-3/16"	WH5X2POD19	(+) B, D, R
		Cast Iron	1000	1-3/16"	WH5X2CIR19	(+) B, R
6"	2"	PolyKat™ Thermo-Urethane	1000	1/2"	WH6X2PKTP8	Prec. Ball
		Thermo-Urethane (Red/Black)	720	1-3/16"	WH6X2TPU19	(+) B, D, R
		Thermo-Urethane (Maroon/Grey)	720	1-3/16"	WH6X2TUM19	(+) B, D, R
		Mold-on Poly	1200	1-3/16"	WH6X2MOP19	(+) B, R
		Mold-on Rubber	550	1-3/16"	WH6X2MOR19	(+) B, R
		Thermo-Rubber (Flat)	500	1-3/16"	WH6X2TPR19	(+) B, D, R
		Thermo-Rubber (Donut)	500	1-3/16"	WH6X2TPD19	(+) B, D, R
		Phenolic	1200	1-3/16"	WH6X2PHN19	(+) B, D, R
		Polypropylene HD	600	1-3/16"	WH6X2POD19	(+) B, D, R
		Cast Iron	1200	1-3/16"	WH6X2CIR19	(+) B, R
8"	2"	PolyKat™ Thermo-Urethane	1200	1/2"	WH8X2PKTP8	Prec. Ball
		Mold-on Poly	1250	1-3/16"	WH8X2MOP19	(+) B, R
		Thermo-Urethane (Red/Black)	800	1-3/16"	WH8X2TPU19	(+) B, D, R
		Thermo-Urethane (Maroon/Grey)	800	1-3/16"	WH8X2TUM19	(+) B, D, R
		Mold-on Rubber	600	1-3/16"	WH8X2MOR19	(+) B, R
		Thermo-Rubber (Flat)	600	1-3/16"	WH8X2TPR19	(+) B, D, R
		Thermo-Rubber (Donut)	600	1-3/16"	WH8X2TPD19	(+) B, D, R
		Phenolic	1250	1-3/16"	WH8X2PHN19	(+) B, D, R
		Polypropylene HD	900	1-3/16"	WH8X2POD19	(+) B, D, R
		Cast Iron	1250	1-3/16"	WH8X2CIR19	(+) B, R

Above wheels come with 1-3/16" plain bore – NO BEARING. To add bearings, replace 19 with desired bearing code: Pedestal Precision Ball **B**, Delrin **D** (includes bushing) D75 (3/4" I.D. no bushing) or Roller **R** (includes bushing) R75 (3/4" I.D. no bushing). Plastic retainer washers come standard on wheels with roller bearings; to order optional steel retainer washers add **SW** to the end of the part number.

## Floor Locks

Designed to hold your portable equipment in a desired location.



Wheel Dia.	Load Capacity (lbs)	Caster Mtg. Ht.	Retracted Clearance	Approximate Weight (lbs)	Floor Lock #
4"	1250	5-5/8"	3/4"	3-1/4"	FL-4E
5"	1250	6-1/2"	3/4"	3-1/2"	FL-5E
6"	1250	7-1/2"	3/4"	3-3/4"	FL-6E
8"	1250	9-1/2"	3/4"	4"	FL-8E

## Brakes

All brake kits include axle, nut and necessary hardware to install on swivel or rigid rigs.

### Tread Lock Brake (TBK)



TBK4X2E	4" models
TBK5X2E	5" models
TBK6X2E	6" models
TBK8X2E	8" models

### Wheel Face Brake (WFB)



WFB4X2E	4" models
WFB5X2E	5" models
WFB6X2E	6" models
WFB8X2E	8" models

### Long Pedal Cam Brake 7" (CAML)

Only works with roller bearing models. Fits 5", 6" & 8" E-Line models.



CAMXX2L	Comes with custom spanner bushing (roller bearing required)
---------	---

### Short Pedal Cam Brake 5" (CAMS)

Only works with roller bearing models. Fits all caster sizes.



CAMXX2S	Comes with custom spanner bushing (roller bearing required)
---------	---

## Hardware (All hardware parts sold per piece, not sets)



Axle (Zerk)  
1/2-13x3.62  
**AXLEZRKEX2**

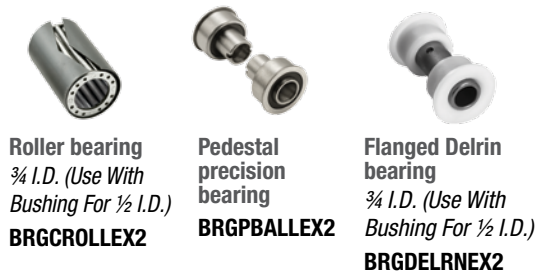
Nut  
1/2-13  
**AXLENUTEX2**

Spanner bushing  
1/2 X 3/4 X 2-7/16  
**SPANNEREX2**



Retaining Washer (Plastic)  
**WHLCAPPLEX2**

Retaining Washer (Steel)  
**WHLCAPSTEX2**



Roller bearing  
3/4 I.D. (Use With Bushing For 1/2 I.D.)  
**BRGCROLLEX2**

Pedestal precision bearing  
**BRGPBALLEX2**

Flanged Delrin bearing  
3/4 I.D. (Use With Bushing For 1/2 I.D.)  
**BRGDELRNEX2**

## Raceway Seals

Upper and Lower seals available on swivel caster models (Sold as set). Seals are not available for total lock models.



**RCWYSEALEX2**

## 4 Position Swivel Lock

Lock and unlock swivel for easy tracking down hallways



**SWVLOCKX2**