

**PEMCO**<sup>®</sup>



Select E-Line  
Stainless casters  
are NSF listed.

**E-LINE**<sup>™</sup>

**Stainless Steel**

*The Ultimate Value in Stainless Steel  
Casters, Wheels & Accessories*



— A BRAND OF —



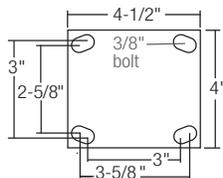
**THE GLOBAL LEADER**  
IN **CASTERS AND WHEELS.**

For **CAD Models or Datasheets:**  
[www.pemcocasters.com/ESS](http://www.pemcocasters.com/ESS)

# E-LINE Stainless Steel

- Ideal for harsh environments where frequent wash downs, chemicals and other corrosive elements cause zinc plated casters to rust or corrode
- Electropolished 304 stainless steel construction
- 3/16" thick stainless steel top plate and fork legs for durability
- Double stainless steel ball bearing raceways provide smooth swivel
- 5/8" stainless steel kingpin
- Grease fittings standard in swivel raceway and 1/2" diameter stainless steel axle for easy maintenance
- All metal components, such as: bearings, bushings and zerk fittings are stainless steel
- Standard grease on swivel caster rated up to 248°F and will soon feature DOW G-4500 food grade synthetic grease (-58° to 334°F) as standard. For timing and higher-temperature options, please contact factory.

## Top Plate Dimensions:



## Brake Options



Stainless Steel Wheel Face Brake (WFB)

WFB brakes work on all swivel models and also 6" and 8" rigid models!



Stainless Steel Tread Lock Brake (TBK)

TBK brakes work on all swivel models and also all rigid models!



Stainless Steel Cam Brake (CAM)

CAM brakes can only be used with Roller Bearing or 1-Piece Delrin bearing options.

Field installable brake kits also available. See back page for more info.

## High-Temp



- Designed to withstand the rigors of high temperature, perfect for cooker racks and Retort carts
  - **HRT** is heavy duty glass-filled nylon with a temperature range: -20°F to +480°F continuous
  - **RET** (RETORT) is glass-filled polypropylene with a temperature range: -20°F to +290°F continuous
- Durometer:** 75 Shore D (±5)  
**Temperature:** Listed above

## Nylon



- Excellent load capacity
  - Excellent impact strength
  - **WNY** wheels excellent for clean rooms
  - Superior in wet environments, resistant to most chemicals
- Durometer:** 85 Shore D (±5)  
**MAX Temp:** -40°F to +250°F  
**WNY Temp:** -20°F to +250°F

## Thermo-Rubber Flat and Donut



- Non-marking thermoplastic rubber tread chemically bonded to polypropylene core
  - Good floor protection
  - Quiet, shock absorbing ride
  - Good in wet environments, resistant to most chemicals
- Durometer:** 70 Shore A (±5)  
**Temperature:** -40°F to +180°F

## Thermo-Urethane



- Polyurethane tread mechanically locked to polypropylene core
  - Attractive, all-purpose wheel
  - Good in wet applications, resistant to most chemicals
- Durometer:** 95 Shore A (±5)  
**Temperature:** -45°F to +180°F

## Solid Polyurethane



- Moulded from a high strength urethane compound
  - Solid wheel eliminates any possibility of tread separation
  - Good in wet applications, resistant to most chemicals
- Durometer:** 55 Shore D (±5)  
**Temperature:** -22°F to +158°F

## Polypropylene HD



- Economical construction and light in weight
  - Good load capacity and impact strength
  - Superior in wet environments, resistant to most chemicals
- Durometer:** 70 Shore D (±5)  
**Temperature:** -45°F to +180°F

## Bearing Options



Stainless Roller (R)

(default bearing unless otherwise specified)

Stainless (266°F) Pedestal Precision Ball (B)

(an excellent way to achieve better ergonomics)

2-Piece Delrin® (D)

300°F High-Temp Nylon\* (N)

(\*standard in any High-Temp Delrin Bearing caster or wheel selection)

1-Piece Delrin® (Z)

1-piece Delrin® is standard when ordering cam brakes

Not all bearing options are available in all casters or wheels. Please follow ordering instructions provided on the following pages to change the standard bearing in a complete caster or wheel to one of the optional bearing choices available.

## Retainer Washers (for roller bearing wheels)

Plastic retainer washers come standard on wheels with roller bearings.

High-Temp roller bearing wheels (HRT and RET) come standard with Stainless Steel Thrust and Retainer washers.

### Standard



Plastic Retainer Washer

### Stainless



Stainless Steel Thrust and Retainer Washer

## Sealed Raceway Option

Rubber raceway seals keep dirt out and grease in for a longer caster life. To order, add **RS** after **ES** in swivel caster part number (example: SSESR6X2TPR). Seals are rated for applications up to 140°F.



# Caster Specifications



To change standard bearing or add brakes, add (+) the desired code to the end of the Part #; example: SSES4X2TPRBWFB

Wheel Dia.	Tread Width	Wheel Type	Load Capacity (lbs)	Mount Height	Swivel Radius*	Standard Bearing	Swivel Caster Part #	Rigid Caster Part #	Bearing Options	Brake Options
4"	2"	HRT High-Temp Glass-Filled Nylon	800	5-5/8"	Swivel Models: 3-3/8"	Roller	SSES4X2HRT	SSER4X2HRT	(+) B, N	(+) TBK, CAM <sup>2</sup>
		KWL Solid Polyurethane K	700	5-5/8"		Ball	SSES4X2KWLB	SSER4X2KWLB	(+) D <sup>3</sup>	(+) TBK, WFB, CAM
		MAX Maxim® Glass-Filled Nylon	800	5-5/8"		Roller	SSES4X2MAX	SSER4X2MAX	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		POD Polypropylene HD	500	5-5/8"		Roller	SSES4X2POD	SSER4X2POD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		RET RETORT Glass-Filled Polypro.	500	5-5/8"		Roller	SSES4X2RET	SSER4X2RET	(+) B, N	(+) TBK, CAM <sup>2</sup>
		TPR Thermo-Rubber (Flat)	300	5-5/8"		Roller	SSES4X2TPR	SSER4X2TPR	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TPD Thermo-Rubber (Donut)	300	5-5/8"		Roller	SSES4X2TPD	SSER4X2TPD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TUM Thermo-Urethane	500	5-5/8"		Roller	SSES4X2TUM	SSER4X2TUM	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		WNY White Nylon	900	5-5/8"		Roller	SSES4X2WNY	SSER4X2WNY	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
5"	2"	HRT High-Temp Glass-Filled Nylon	900	6-1/2"	Swivel Models: 4"	Roller	SSES5X2HRT	SSER5X2HRT	(+) B, N	(+) TBK, CAM <sup>2</sup>
		KWL Solid Polyurethane K	900	6-1/2"		Ball	SSES5X2KWLB	SSER5X2KWLB	(+) D <sup>3</sup>	(+) TBK, WFB, CAM
		MAX Maxim® Glass-Filled Nylon	900	6-1/2"		Roller	SSES5X2MAX	SSER5X2MAX	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		POD Polypropylene HD	650	6-1/2"		Roller	SSES5X2POD	SSER5X2POD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		RET RETORT Glass-Filled Polypro.	650	6-1/2"		Roller	SSES5X2RET	SSER5X2RET	(+) B, N	(+) TBK, CAM <sup>2</sup>
		TPR Thermo-Rubber (Flat)	350	6-1/2"		Roller	SSES5X2TPR	SSER5X2TPR	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TPD Thermo-Rubber (Donut)	350	6-1/2"		Roller	SSES5X2TPD	SSER5X2TPD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TUM Thermo-Urethane	600	6-1/2"		Roller	SSES5X2TUM	SSER5X2TUM	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		WNY White Nylon	900	6-1/2"		Roller	SSES5X2WNY	SSER5X2WNY	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
6"	2"	HRT High-Temp Glass-Filled Nylon	900	7-1/2"	Swivel Models: 4-3/4"	Roller	SSES6X2HRT	SSER6X2HRT	(+) B, N	(+) TBK, CAM <sup>2</sup>
		KWL Solid Polyurethane K	900	7-1/2"		Ball	SSES6X2KWLB	SSER6X2KWLB	(+) D <sup>3</sup>	(+) TBK, WFB, CAM
		MAX Maxim® Glass-Filled Nylon	900	7-1/2"		Roller	SSES6X2MAX	SSER6X2MAX	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		POD Polypropylene HD	700	7-1/2"		Roller	SSES6X2POD	SSER6X2POD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		RET RETORT Glass-Filled Polypro.	700	7-1/2"		Roller	SSES6X2RET	SSER6X2RET	(+) B, N	(+) TBK, CAM <sup>2</sup>
		TPR Thermo-Rubber (Flat)	500	7-1/2"		Roller	SSES6X2TPR	SSER6X2TPR	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TPD Thermo-Rubber (Donut)	500	7-1/2"		Roller	SSES6X2TPD	SSER6X2TPD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TUM Thermo-Urethane	720	7-1/2"		Roller	SSES6X2TUM	SSER6X2TUM	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		WNY White Nylon	900	7-1/2"		Roller	SSES6X2WNY	SSER6X2WNY	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
8"	2"	HRT High-Temp Glass-Filled Nylon	900	9-1/2"	Swivel Models: 6-1/8"	Roller	SSES8X2HRT	SSER8X2HRT	(+) B, N	(+) TBK, CAM <sup>2</sup>
		KWL Solid Polyurethane K	900	9-1/2"		Ball	SSES8X2KWLB	SSER8X2KWLB	(+) D <sup>3</sup>	(+) TBK, WFB, CAM
		MAX Maxim® Glass-Filled Nylon	900	9-1/2"		Roller	SSES8X2MAX	SSR8X2MAX	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		POD Polypropylene HD	900	9-1/2"		Roller	SSES8X2POD	SSER8X2POD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		RET RETORT Glass-Filled Polypro.	900	9-1/2"		Roller	SSES8X2RET	SSER8X2RET	(+) B, N	(+) TBK, CAM <sup>2</sup>
		TPR Thermo-Rubber (Flat)	600	9-1/2"		Roller	SSES8X2TPR	SSER8X2TPR	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TPD Thermo-Rubber (Donut)	600	9-1/2"		Roller	SSES8X2TPD	SSER8X2TPD	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		TUM Thermo-Urethane	800	9-1/2"		Roller	SSES8X2TUM	SSER8X2TUM	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM
		WNY White Nylon	900	9-1/2"		Roller	SSES8X2WNY	SSER8X2WNY	(+) B, D <sup>1</sup>	(+) TBK, WFB, CAM

<sup>1</sup> To order 1-Piece Delrin® (Z) bearing, utilize Z in place of D when adding bearing option code to part #; example: SSES8X2PODZ. 1-Piece Delrin® (Z) bearing must be utilized when ordering Delrin® bearings with CAM brake.

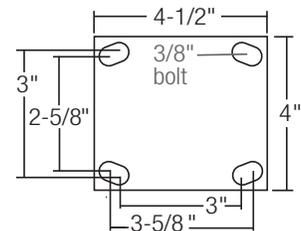
<sup>2</sup> CAM brake not compatible with High-Temp Nylon (N) bearing; utilize Stainless Roller (R) bearing for High-Temp Cam brake requirements or change to TBK brake to utilize N bearing.

<sup>3</sup> Replace B with D in part number to order Delrin® bearing on Solid Polyurethane K wheels, then add optional brake code.

\*Note: Swivel radius shown in above table is for standard swivel plate models; for brake swivel radius see table to right.

Wheel Diameter	Wheel Face Brake (WFB)	Tread Lock Brake (TBK)	CAM Brake (CAM)
4"	6-1/4"	4"	5"
5"	6-7/8"	4-1/4"	5-1/8"
6"	7-5/8"	4-3/4"	6-1/4"
8"	8-1/2"	6-1/8"	6-3/4"

### Top Plate Dimensions:



# E-Line Stainless Steel Components

## Swivel and Rigid Rigs



Wheel Dia.	Tread Width	*Load Capacity (lbs)	Mount Height	Swivel Caster Part #	Rigid Caster Part #
4"	2"	900	5-5/8"	RIG4X2ESSS	RIG4X2ERSS
5"	2"	900	6-1/2"	RIG5X2ESSS	RIG5X2ERSS
6"	2"	900	7-1/2"	RIG6X2ESSS	RIG6X2ERSS
8"	2"	900	9-1/2"	RIG8X2ESSS	RIG8X2ERSS

## Wheels



Wheel Dia.	Tread Width	Wheel Type	Load Capacity (lbs)	Bore	Stainless Roller Bearing Wheel Part #*
4"	2"	HRT High-Temp Glass-Filled Nylon	800	1/2"	WH4X2HRTRSS <sup>1</sup>
		KWL Solid Polyurethane K	700	1/2"	WH4X2KWLBS <sup>2</sup>
		MAX Maxim® Glass-Filled Nylon	800	1/2"	WH4X2MAXRSS
		POD Polypropylene HD	500	1/2"	WH4X2PODRSS
		RET RETORT Glass-Filled Polypropylene	500	1/2"	WH4X2RETRSS <sup>1</sup>
		TPR Thermo-Rubber (Flat)	300	1/2"	WH4X2TPRRSS
		TPD Thermo-Rubber (Donut)	300	1/2"	WH4X2TPDRSS
		TUM Thermo-Urethane	500	1/2"	WH4X2TUMRSS
		WNY White Nylon	900	1/2"	WH4X2WNYRSS
5"	2"	HRT High-Temp Glass-Filled Nylon	1000	1/2"	WH5X2HRTRSS <sup>1</sup>
		KWL Solid Polyurethane K	1000	1/2"	WH5X2KWLBS <sup>2</sup>
		MAX Maxim® Glass-Filled Nylon	1000	1/2"	WH5X2MAXRSS
		POD Polypropylene HD	650	1/2"	WH5X2PODRSS
		RET RETORT Glass-Filled Polypropylene	650	1/2"	WH5X2RETRSS <sup>1</sup>
		TPR Thermo-Rubber (Flat)	350	1/2"	WH5X2TPRRSS
		TPD Thermo-Rubber (Donut)	350	1/2"	WH5X2TPDRSS
		TUM Thermo-Urethane	600	1/2"	WH5X2TUMRSS
		WNY White Nylon	1000	1/2"	WH5X2WNYRSS
6"	2"	HRT High-Temp Glass-Filled Nylon	1200	1/2"	WH6X2HRTRSS <sup>1</sup>
		KWL Solid Polyurethane K	1200	1/2"	WH6X2KWLBS <sup>2</sup>
		MAX Maxim® Glass-Filled Nylon	1200	1/2"	WH6X2MAXRSS
		POD Polypropylene HD	700	1/2"	WH6X2PODRSS
		RET RETORT Glass-Filled Polypropylene	700	1/2"	WH6X2RETRSS <sup>1</sup>
		TPR Thermo-Rubber (Flat)	500	1/2"	WH6X2TPRRSS
		TPD Thermo-Rubber (Donut)	500	1/2"	WH6X2TPDRSS
		TUM Thermo-Urethane	720	1/2"	WH6X2TUMRSS
		WNY White Nylon	1200	1/2"	WH6X2WNYRSS
8"	2"	HRT High-Temp Glass-Filled Nylon	1400	1/2"	WH8X2HRTRSS <sup>1</sup>
		KWL Solid Polyurethane K	1500	1/2"	WH8X2KWLBS <sup>2</sup>
		MAX Maxim® Glass-Filled Nylon	1400	1/2"	WH8X2MAXRSS
		POD Polypropylene HD	900	1/2"	WH8X2PODRSS
		RET RETORT Glass-Filled Polypropylene	900	1/2"	WH8X2RETRSS <sup>1</sup>
		TPR Thermo-Rubber (Flat)	600	1/2"	WH8X2TPRRSS
		TPD Thermo-Rubber (Donut)	600	1/2"	WH8X2TPDRSS
		TUM Thermo-Urethane	800	1/2"	WH8X2TUMRSS
		WNY White Nylon	1200	1/2"	WH8X2WNYRSS

\*Note: Stainless Steel Roller bearing (includes spanner bushing) is standard for all above wheels except KWL models which include Stainless Pedestal Precision Ball bearings. For optional Stainless Pedestal Precision Ball bearings, change the third to last letter in part # from R to B; for Delrin® bearing change the third to last letter from R to D (for 2-Piece) or R to Z (for 1-Piece), both Delrin® options include spanner bushing. High-Temp roller bearing models come standard with stainless retaining and thrust washers, all other roller bearing models come standard with plastic retainer washers. To order blank wheel (1-3/16" bore no bearing), change the last three characters in wheel part # to 19; example: WH6X2TPR19.

<sup>1</sup> High-Temp Nylon bearing can be ordered by changing third to last letter in part # from R to N; Delrin® options not available due to temperature constraints.

<sup>2</sup> KWL wheel standard with Stainless Pedestal Precision Ball bearing; see above note\* to order with Delrin® bearing option.

## Stainless Steel Floor Locks



Wheel Dia.	Caster Height	Retracted Clearance	Approx. Weight (Lbs)	Wheel Part # (Plain bore)
4"	5-5/8"	3/4"	3-1/4"	FL4ESS
5"	6-1/2"	3/4"	3-1/2"	FL5ESS
6"	7-1/2"	3/4"	3-3/4"	FL6ESS
8"	9-1/2"	3/4"	4"	FL8ESS

## Stainless Steel Brakes

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

### Tread Lock Brake (TBK)



TBK4X2ESS	4" models
TBK5X2ESS	5" models
TBK6X2ESS	6" models
TBK8X2ESS	8" models

### Wheel Face Brake (WFB)



WFB4X2ESS	4" models
WFB5X2ESS	5" models
WFB6X2ESS	6" models
WFB8X2ESS	8" models

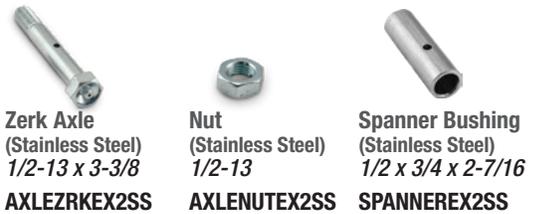
### Cam Brake\* (CAM)



\*Can only be used with Roller Bearing or 1-piece Delrin® bearing wheels.

CAMXX2SSS	Short pedal Fits all diameters
CAMXX2LSS	Long pedal Fits all diameters

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



Zerk Axle  
(Stainless Steel)  
1/2-13 x 3-3/8

Nut  
(Stainless Steel)  
1/2-13

Spanner Bushing  
(Stainless Steel)  
1/2 x 3/4 x 2-7/16

AXLEZRKEX2SS

AXLENUTEX2SS

SPANNEREX2SS



Retaining Washer  
(Plastic)  
WHLCAPPLEX2



Retaining<sup>1</sup> & Thrust<sup>2</sup>  
Washer (Stainless)  
<sup>1</sup>RETAINEX2SS  
<sup>2</sup>THRUSTEX2SS



Stainless Steel  
Roller Bearing  
3/4 I.D. (Use With  
Bushing For 1/2 I.D.)  
BRGCROLLEX2SS



Stainless  
Steel Pedestal  
Precision Ball  
Bearing  
BRGPBALLEX2SS



Flanged Delrin®  
Bearing  
3/4 I.D. (Use With  
Spanner For 1/2 I.D.)  
BRGDRLNEX2



High-Temp Flanged  
Nylon Bearing  
3/4 I.D. (Use With  
Spanner For 1/2 I.D.)  
BRGNYLONEX2HT



1 Piece  
Delrin Bearing  
3/4 I.D. (Use With  
Spanner For 1/2 I.D.)  
BRGDRLNEX21PC

## Raceway Seals

Upper and Lower seals  
available on swivel  
caster models

(Sold as set)



RCWYSEALEX2

## Stainless Steel

### 4 Position Swivel Lock

Lock and unlock swivel  
for easy steering



SWVLOCKX2SS