shepherd®

Your equipment deserves the best!



innovation in **motion**

shepherd®



www.shepherdcasters.com
800-253-0868

Our Promise to our Customers

Shepherd Caster will provide mobility solutions that meet our customers' needs through a combination of design excellence, quality manufacturing, global sourcing, and environmental responsibility. We are committed to the continued success of our customers, our employees and our communities. When you purchase a Shepherd Caster it's a matter of pride for us and trust for you.

A **Leading Supplier** for over ***55 Years***

Shepherd Caster is a leading designer of cutting edge mobility solutions for a variety of OEM markets and applications. For over 55 years we have prided ourselves on responding to our customers' needs with outstanding quality, on time delivery, and excellent value at competitive prices.

Our casters, found throughout a variety of industries including furniture, store fixture, medical, business machine and institutional–have long been a benchmark for quality and design in the industry. We have an experienced sales force and established global distribution network ready to assist you in finding the right solution that meets all of your mobility needs. If the right caster is not available among our thousands of standard products, we have the design expertise, manufacturing knowledge, and capability to create a custom solution to meet any of your requirements.

A·R·E Association for Retail Environments
Connecting People • Shaping Retail

NSF Many Shepherd casters are NSF listed for use in the food services industry.

REGISTERED ISO 9001:2008 QUALITY MANAGEMENT SYSTEM Certificate Number: #04103

Our Company

Shepherd is a leading brand of Colson Group USA—the global leader in casters and wheels. Colson Group's unique and proprietary global footprint provides our customers with available services and capabilities unmatched by any other manufacturer.



- **The most complete product offering in the world**
- **One-stop shopping for any application and budget**
- **Local service worldwide, ready for any business need**
- **The most experienced sales, engineering, manufacturing and quality teams**
- **The highest value for your caster dollar**

Design



Utilizing the latest in available technologies, our global design and engineering teams ensure every detail in performance, materials and aesthetics are delivered to meet customers' expectations and safety standards. From concept, to FEA and rapid prototyping—we bring your needs to reality.

Manufacturing

With leading manufacturing facilities located around the world, Shepherd takes a strategic approach to manufacture our products in the regions that best support the needs of our customers.

We are proud to be the leaders in USA Made casters, and constantly strive to set the standards in caster manufacturing, innovation and automation.

Quality



Industry leading test labs and global quality systems confirm our casters meet stringent quality standards. Our in-house capabilities ensure all designs meet or exceed industry standards (ICWM standards) to keep your products safe and mobile.

Service

Customer expectations and requirements are met through a combined success of teamwork, expertise, technology, and commitment to excellence in design and manufacturing.

Our leading teams of inside and outside sales support are the most experienced in the industry, and are positioned around the U.S. to provide local support for all of your caster needs. We are committed to providing the service and support that you can rely on every time.

Online Drawings & CAD Models

Save time on your next design, and quickly download any of the casters you see in our catalog in your native CAD format. You can download **3D Models**, **2D Drawings** or **Data Sheets** for any of your design, procurement or quality needs.

www.shepherdcasters.com/CAD



- **Quickly configure** caster models to your desired specifications
- Download the model in **your native CAD format**
- Know that you are adding a **viable product into your design**
- **Easily share** the drawing or data sheet with your team to keep everyone in the loop

Contents

Multi Purpose Casters


Regent
Page 6-8


Monarch
Page 9


Institutional
Page 10-12


General Duty
Page 13

Low Profile Casters


00 Series
Page 14


BLS/BMS
Page 15


BDS/BDR
Page 16

Twin Wheel Casters


Design Innovation
Page 27


Softech
Page 28-29


Ultima
Page 30-31


Pacer
Page 32


Source II
Page 33


Chair
Page 34


Genesis TW
Page 35

Definitions and Components


Nomenclature/Terms
Page 44-45


Components
Page 46-47


Wheels
Page 48-55


Sockets
Page 56-57


Glides & Accessories
Page 58

Industry Favorites


Regent
Page 6-8


Institutional
Page 10-12


Softech
Page 28-29


Ball
Page 24-25


00 Series
Page 14

Contents

Decorative Performance


Omega
Page 17


RS/RT
Page 18

Single Wheel Plastic/Nylon Casters


Eclipse
Page 19


Optimus
Page 20


Genesis
Page 21


NG
Page 22-23

Ball and Spherical Casters

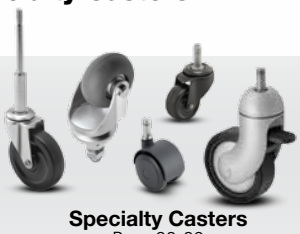

Ball
Page 24-25


Baron
Page 26


Twin Med
Page 36


GRX
Page 37

Specialty Casters


Specialty Casters
Page 38-39

Pemco Casters


Shopping Cart
Page 40-41


Pemco E-Line
Page 42-43

Watch For ...

Made in the U.S.A.

Now you have the freedom to specify USA made casters!

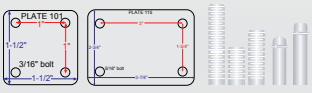
RoHS
Environmentally friendly

Meets plating standards for environmentally safe products.

NSF listed

Casters with NSF seal are listed to be used in food industry by the National Sanitation Foundation.

Fastening Information



Fastenings
Page 59-67

Popular USA Manufactured Casters

Made in the U.S.A.


Regent
Page 6-8


Monarch
Page 9


00 Series
Page 14


Pacer
Page 32


Ball
Page 24-25

Regent



Made in the U.S.A.

RoHS Environmentally friendly

NSF listed

Features

- Industry leading selection and overall value
- Fast deliveries for any order quantity
- High-strength & heat treated steel for increased durability and caster life
- Dual ball raceways
- RoHS compliant zinc plating for corrosion resistance
- Octagon washer on stem models for easy installation
- NSF approved (less thread guards)

Applications

- Store fixtures
- Carts
- Institutional Equipment
- Food Service Equipment
- Furniture
- Janitorial Equipment
- Office Equipment
- Racks and Storage Equipment
- Medical Equipment

Options

- **Brakes:** available on all sizes (see below and product pages for details).
- **Finishes:** Zinc plating standard; optional finishes available (see below).
- **Fastenings & Wheels:** additional fastening sizes and wheel options available. Consult factory.
- **1-5/8" Diameter Models**: see Mighty-Mite on page 38.



Wheel Selection



	Polyolefin	Hard or Soft Rubber	Thermoplastic Rubber (TPR)	Polyurethane (TPU)	3" No-Matic	Vipor	MonoTech	5" Precision Bearing MonoTech
Floor Protection*	✓	✓	✓+	✓+	✓+	✓+	✓+	✓+
Non-Marking	✓	✓	✓+	✓+		✓+	✓+	✓+
Durability	✓+	✓	✓	✓+	✓	✓+	✓+	✓+
Cushioned Ride		✓+ (soft)	✓	✓	✓+	✓	✓+	✓+
Chemical Resistance	✓+	✓	✓	✓+	✓	✓+	✓+	✓+

*See page 48 for application details.

Brake Selection



Side Brakes for 2", 2-1/2" and 3" models. Add [**B**] at end of model.



Top Lock Brakes 3" and 4" diameter models. Add [**TL**] at end of model. Not compatible with top plate models.



Tread Lock Brakes 4" and 5" models. Add [**B**] at end of model.



Side Brakes 4" and 5" models. Add [**SB**] at end of model.

Finish Options

Replace standard Zinc [**ZN**] in Part Number with appropriate finish code. Minimum order quantities may apply.



Polished Nickel [**PN**] | Bright Chrome [**BC**] | Copper Oxide [**CO**] | Zinc [**ZN**] | Black Oxide [**BO**]

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Connects casters to wood



Connects casters to round tubes



Connects casters to square tubes



Weldable caster mount



Metal T nut



Connect casters to PVC pipe legs



Connect casters to threaded pipes



Corner brackets

Regent continues next page

Regent

Continued from previous page


Threaded


Grip Neck


Grip Ring


Expanding Adapter

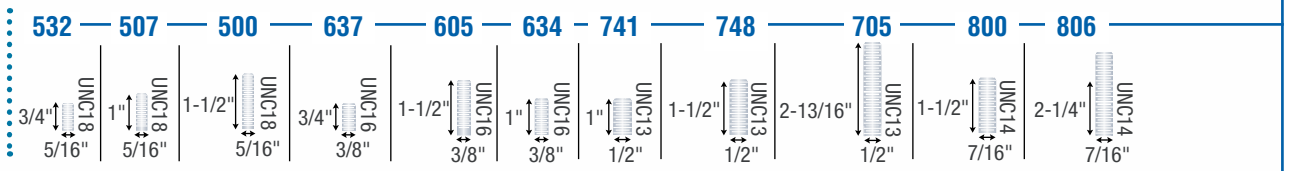
Stem Models

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection*
2"	13/16"	2-5/8"	**1-15/16"** Side Brake: **2-1/8"**	Soft Rubber	80	PRE20___ZN-3R	**Threaded:** 532, 507, 500, 637, 605, 634 **Grip Neck:** 302 **Grip Ring:** 223, 211, 222, 273
				Thermoplastic Rubber	80	PRE20___ZN-TPR	
				Hard Rubber	90	PRE20___ZN-3H	
				Polyurethane	90	PRE20___ZN-TPU	
				Solid Wall Polyolefin	90	PRE20___ZN-3ES	
				Polyolefin	90	PRE20___ZN-3E	
				Vipor	90	PRE20___ZN-VPR01(CG)	
2-1/2"	13/16"	3-1/8"	Swivel & Side Brake: **2-1/8"**	Soft Rubber	80	PRE25___ZN-3R	**Threaded:** 532, 507, 500, 637, 634, 605 **Grip Neck:** 302 **Grip Ring:** 223, 211, 222, 273
				Thermoplastic Rubber	80	PRE25___ZN-TPR	
				Hard Rubber	95	PRE25___ZN-3H	
				Polyurethane	95	PRE25___ZN-TPU	
				Polyolefin	95	PRE25___ZN-3E	
3"	13/16"	3-1/2"	Swivel and Side Brake: **2-1/2"** Top Lock Brake: **3-5/16"**	Soft Rubber	110	PRE30___ZN-3R	**Threaded:** 532, 507, 500, 637, 634, 605, 748 **Grip Neck:** 302 **Grip Ring:** 223, 211, 222, 273
				Thermoplastic Rubber	110	PRE30___ZN-TPR	
				No-Matic	110	PRE30___ZN-NOM	
				Hard Rubber	120	PRE30___ZN-3H	
				Polyurethane	120	PRE30___ZN-TPU	
				Polyolefin	120	PRE30___ZN-3E	
				MonoTech	120	PRE30___ZN-MNT	
				Vipor	120	PRE30___ZN-VPR01(CG)	
4"	15/16"	4-3/4"	**3-7/16"** Side Brake: **3-1/2"** Top Lock Brake: **4-1/16"**	Soft Rubber	125	PRE40___ZN-3R	**Threaded:** 605, 741, 748, 705, 800, 806 **Grip Ring:** 211, 273, 204 **Expanding Adapter:** 440-455
				Thermoplastic Rubber	125	PRE40___ZN-TPR	
				Hard Rubber	150	PRE40___ZN-3H	
				Polyurethane	150	PRE40___ZN-TPU	
				Polyolefin	150	PRE40___ZN-3E	
				MonoTech	150	PRE40___ZN-MNT	
5"	15/16"	5-3/4"	Swivel & Brake: **4-1/8"**	Soft Rubber	130	PRE50___ZN-3R	**Threaded:** 605, 741, 748, 705, 800, 806 **Grip Ring:** 211, 273, 204 **Expanding Adapter:** 440-455
				Thermoplastic Rubber	130	PRE50___ZN-TPR	
				Hard Rubber	150	PRE50___ZN-3H	
				Polyurethane	150	PRE50___ZN-TPU	
				Polyolefin	150	PRE50___ZN-3E	
				MonoTech	160	PRE50___ZN-MNT	
				MonoTech Precision Bearing	160	PRE50___ZN-MNT33(GG)	

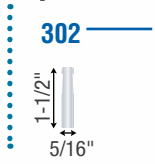
*To order, include **blue** fastener code in **Base Model Number**. Example: PRE40605ZN-3R

Plate Models on Next Page

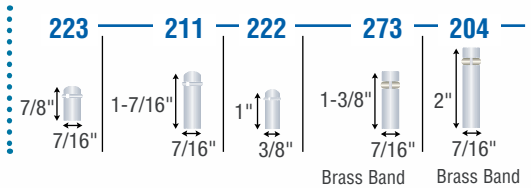
Threaded Stem



Grip Neck



Grip Ring Stem



Expanding Adapter Stem



Fits Round Tube

Tubing ID Range	Code
3/4"-13/16"	440
7/8"-15/16"	441
1" - 1-1/16"	442
1-1/8" - 1-3/16"	443
1-1/4" - 1-5/16"	444
1-3/8" - 1-7/16"	445
1-1/2" - 1-9/16"	446
1-5/8"-1-11/16"	447

Fits Square Tube

Tubing ID Range	Code
7/8"-15/16"	451
1" - 1-1/16"	452
1-1/8" - 1-3/16"	453
1-1/4" - 1-5/16"	454
1-3/8" - 1-7/16"	455

Regent continues next page


Side Brakes for 2", 2-1/2" and 3" models. Add [**B**] at end of model.


New
Top Lock Brakes 3" and 4" diameter models. Add [**TL**] at end of model.


Tread Lock Brakes 4" and 5" models. Add [**B**] at end of model.


New
Side Brakes 4" and 5" models. Add [**SB**] at end of model.

Regent

Continued from previous page


Swivel Top Plate


Rigid Top Plate

Top Plate Models

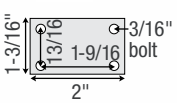
Stem Models on Previous Page

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Swivel Base Model Number (Add fastening code)	Rigid Base Model Number	Fastening Selection*
2"	13/16"	2-5/8"	**1-15/16"** Side Brake: **2-1/8"**	Soft Rubber	80	PRE20___ZN-3R		**Swivel:** **113, 108**
				Thermoplastic Rubber	80	PRE20___ZN-TPR		
				Hard Rubber	90	PRE20___ZN-3H		
				Polyurethane	90	PRE20___ZN-TPU		
				Solid Wall Polyolefin	90	PRE20___ZN-3ES		
				Polyolefin	90	PRE20___ZN-3E		
				Vipor	90	PRE20___ZN-VPR01(CG)		
2-1/2"	13/16"	3-1/8"	Swivel & Side Brake: **2-1/8"**	Soft Rubber	80	PRE25___ZN-3R		**Swivel:** **113, 108**
				Thermoplastic Rubber	80	PRE25___ZN-TPR		
				Hard Rubber	95	PRE25___ZN-3H		
				Polyurethane	95	PRE25___ZN-TPU		
				Polyolefin	95	PRE25___ZN-3E		
3"	13/16"	3-1/2"	Swivel and Side Brake: **2-1/2"** Top Lock Brake: **3-5/16"**	Soft Rubber	110	PRE30___ZN-3R	PRI30120ZN-3R	**Swivel:** **113, 108, 120** **Rigid: 120**
				Thermoplastic Rubber	110	PRE30___ZN-TPR	PRI30120ZN-TPR	
				No-Matic	110	PRE30___ZN-NOM	PRI30120ZN-NOM	
				Hard Rubber	120	PRE30___ZN-3H	PRI30120ZN-3H	
				Polyurethane	120	PRE30___ZN-TPU	PRI30120ZN-TPU	
				Polyolefin	120	PRE30___ZN-3E	PRI30120ZN-3E	
				MonoTech	120	PRE30___ZN-MNT	PRI30120ZN-MNT	
				Vipor	120	PRE30___ZN-VPR01(CG)	PRI30120ZN-VPR01(CG)	
4"	15/16"	4-7/8"	**3-7/16"** Side Brake : **3-1/2"** Top Lock Brake: **4-1/16"**	Soft Rubber	125	PRE40___ZN-3R	PRI40120ZN-3R	**Swivel: 120** **Rigid: 120**
				Thermoplastic Rubber	125	PRE40___ZN-TPR	PRI40120ZN-TPR	
				Hard Rubber	150	PRE40___ZN-3H	PRI40120ZN-3H	
				Polyurethane	150	PRE40___ZN-TPU	PRI40120ZN-TPU	
				Polyolefin	150	PRE40___ZN-3E	PRI40120ZN-3E	
				MonoTech	150	PRE40___ZN-MNT	PRI40120ZN-MNT	
5"	15/16"	5-7/8"	Swivel & Side Brake: **4-1/8"**	Soft Rubber	130	PRE50___ZN-3R	PRI50120ZN-3R	**Swivel: 120** **Rigid: 120**
				Thermoplastic Rubber	130	PRE50___ZN-TPR	PRI50120ZN-TPR	
				Hard Rubber	150	PRE50___ZN-3H	PRI50120ZN-3H	
				Polyurethane	150	PRE50___ZN-TPU	PRI50120ZN-TPU	
				Polyolefin	150	PRE50___ZN-3E	PRI50120ZN-3E	
				MonoTech	160	PRE50___ZN-MNT	PRI50120ZN-MNT	
				MonoTech Precision Bearing	160	PRE50___ZN-MNT33(GG)	PRI50120ZN-MNT33(GG)	

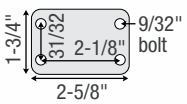
*To order, include **blue** fastener code in **Base Model Number**. Example: PRE30113ZN-3R

Swivel Top Plate

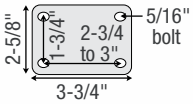
113



108

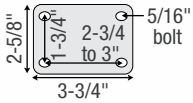


120



Rigid Top Plate

120



Side Brakes for 2", 2-1/2" and 3" models. Add [**B**] at end of model.



Tread Lock Brakes 4" and 5" models. Add [**B**] at end of model.



Side Brakes 4" and 5" models. Add [**SB**] at end of model.



Monarch Hooded Casters

Features

- Extended hood helps prevent pinch points and material entanglement
- Zinc finish
- Double ball bearing raceways
- Octagon washer on threaded stem for easy installation
- Heat treated

Applications

- Fixtures
- Institutional Equipment
- Equipment Carts
- Furniture
- Mechanical Creepers
- Seating
- Medical Equipment

Options

- **Finishes:** Zinc plating standard; optional finishes available by special order. Consult factory for details.
- **Fastenings:** Others sizes available by special order; consult factory.

Made in the U.S.A.

RoHS Environmentally friendly



Wheel Selection


Polyolefin


Hard or Soft Rubber


Thermoplastic Rubber


Polyurethane Tread



3" No-Matic


Vipor


MonoTech

	Polyolefin	Hard or Soft Rubber	Thermoplastic Rubber	Polyurethane Tread	3" No-Matic	Vipor	MonoTech
Floor Protection[1]	✓	✓	✓+	✓+	✓+	✓+	✓+
Non-Marking	✓	✓	✓+	✓+		✓+	✓+
Durability	✓+	✓	✓	✓+	✓	✓+	✓+
Cushioned Ride		✓+ (soft)	✓	✓	✓+	✓	✓+
Chemical Resistance	✓+	✓	✓	✓+	✓	✓+	✓+

[1]See page 48 for application details.

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection[2]
2"	13/16"	2-5/8"	2-1/16"	Soft Rubber	80	PMN20___ZN-3R	Threaded: 507, 605 Grip Ring: 223, 211 Grip Neck: 302 Plate: 113, 108
				TPR	80	PMN20___ZN-TPR	
				Hard Rubber	90	PMN20___ZN-3H	
				Polyurethane	90	PMN20___ZN-TPU	
				Solid Wall Polyolefin	90	PMN20___ZN-3ES	
				Polyolefin	90	PMN20___ZN-3E	
				Vipor	90	PMN20___ZN-VPR01(CG)	
2-1/2"	13/16"	3-1/8"	2-1/8"	Soft Rubber	80	PMN25___ZN-3R	Threaded: 507, 605 Grip Ring: 223, 211 Plate: 113, 108
				TPR	80	PMN25___ZN-TPR	
				Hard Rubber	95	PMN25___ZN-3H	
				Polyurethane	95	PMN25___ZN-TPU	
				Polyolefin	95	PMN25___ZN-3E	
3"	13/16"	3-1/2"	2-1/2"	Soft Rubber	110	PMN30___ZN-3R	Threaded: 507, 605 Grip Ring: 223, 211 Plate: 113, 108
				TPR	110	PMN30___ZN-TPR	
				No-Matic	110	PMN30___ZN-NOM	
				Hard Rubber	120	PMN30___ZN-3H	
				Polyurethane	120	PMN30___ZN-TPU	
				Polyolefin	120	PMN30___ZN-3E	
				MonoTech	120	PMN30___ZN-MNT	
				Vipor	120	PMN30___ZN-VPR01(CG)	



Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.

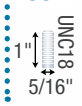




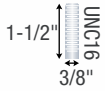
[2]To order, include **blue** fastener code in **Base Model Number**. Example: PMN20605ZN-3R

Threaded Stem

507

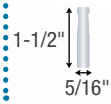


605



Grip Neck

302



Grip Ring

223

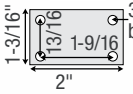


211

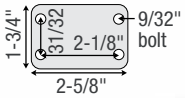


Top Plate

113



108



Institutional Series



RoHS Environmentally friendly

NSF listed

Features

- Constructed of high-strength steel for added durability
- Raceway dust cap for increased caster life and performance
- NSF approved (less thread guards)
- Dual ball bearing raceway
- Durable zinc finish
- 3⁄8" diameter nut and bolt axle
- Full and partial thread guard options help prevent debris from entangling wheel

Applications

- Store Fixtures
- Storage Equipment
- Utility Carts
- Institutional Equipment
- Office Equipment
- Food Service
- Material Handling Equipment
- Hospitality Carts

Options

- **Brakes:** various brakes available on all sizes (see below and product pages for details).
- **Finishes:** Zinc plating standard; optional finishes available. Consult factory.
- **Fastenings & Wheels:** additional fastening sizes and wheel options available. Consult factory.

Wheel Selection



	Polyolefin	Hard or Soft Rubber	MonoTech* Donut and Flat	Thermoplastic Rubber (TPR)	Polyurethane (TPU) Grey	Polyurethane (TPU) Blue	6" Vipor	6" Pneumatic	6" No-Matic Grey or Black (Solid Rubber)
				All sizes/colors now available with Full or Partial thread guards.					
Floor Protection*	✓	✓	✓+	✓+	✓+	✓+	✓+	✓+	✓+
Non-Marking	✓	✓	✓+	✓+	✓+	✓+	✓+		
Durability	✓+	✓	✓+	✓	✓+	✓+	✓+	✓	✓
Cushioned Ride		✓+ (soft)	✓+	✓	✓	✓	✓	✓+	✓+
Chemical Resistance	✓+	✓	✓+	✓	✓+	✓+	✓+	✓	✓

*See page 48 for application details.

MonoTech Facts

1. Provides ultimate floor protection and a quiet, cushioned ride.
2. Rolls over obstacles with ease.
3. Will not flat spot and is excellent on any floor type.
4. Rejects floor debris, including metal shavings and glass.
5. **USA Made.**



Conductive wheels now available! Consult factory.

Brake Selection

Tread Lock Brake

Available on all sizes and fastenings. Side access tread lock.



Total Lock Brake

Available on all sizes and fastenings. Locks both swivel and wheel.



Direction Lock Brake

Locks swivel only for easy tracking. Available on 5" wheel diameter plate models only.



Top Lock Brake

Available on all sizes and fastenings. Easy access tread lock.



PAT/PAD Brakes

Increased brake lever clearance; available on 5" diameter models by special order.



Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Connects casters to wood



Connects casters to round tubes



Connect casters to PVC pipe legs



Connects casters to square tubes



Connect casters to threaded pipes



Corner brackets



Weldable caster mount



Plate | Threaded | Grip Ring | Hollow Kingpin | Expanding Adapter

Institutional Series

Continued from previous page

5" and 6" Models Continue on Next Page

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Bearing Type	Thread Guard Type	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection*
3"	1-1/4"	Stem: **4-1/8"** Plate: **4-1/4"**	Swivel & Tread Lock Brake: **2-7/8"** Top Lock/ Total Lock Brake: **4-3/8"**	Soft Rubber	Plain	None	150	PGS30___ZN-SFR01(KK)	**Threaded: 741, 748, 705** **Grip Ring: 291, 273** **Expanding Adapter: 440-455** **Hollow Kingpin: 400** **Plate: 120, 149, 162**
				Hard Rubber	Plain	None	210	PGS30___ZN-HDR01(KK)	
				TPR	Precision	Full	210	PGS30___ZN-TPR33(GG)	
				TPR	Delrin	None	210	PGS30___ZN-TPR11(GG)	
				Polyolefin	Plain	None	250	PGS30___ZN-POD01(KK)	
				TPU (Blue)	Precision	Full	250	PGS30___ZN-TPU33(BG)	
				TPU (Grey)	Precision	Full	250	PGS30___ZN-TPU33(GG)	
3-1/2"	1-1/4"	Stem: **4-5/8"** Plate: **4-3/4"**	Swivel & Tread Lock Brake: **3"** Top Lock/ Total Lock Brake: **4-3/8"**	Soft Rubber	Plain	None	150	PGS35___ZN-SFR01(KK)	**Threaded: 741, 748, 705** **Grip Ring: 291, 273** **Exp Adap.: 440-455** **Hollow Kingpin: 400** **Plate: 120, 149, 162**
				Hard Rubber	Plain	None	250	PGS35___ZN-HDR01(KK)	
				TPR	Delrin	None	250	PGS35___ZN-TPR11(GG)	
				TPR	Ball	Partial	250	PGS35___ZN-TPR22(GG)	
				MonoTech (Flat)	Precision	Partial	250	PGS35___ZN-FMT32(GG)	
				MonoTech (Flat)	Delrin	None	250	PGS35___ZN-FMT11(GG)	
				Urethane (Blue)	Ball	Partial	275	PGS35___ZN-TPU22(BG)	
				Urethane (Grey)	Ball	Partial	275	PGS35___ZN-TPU22(GG)	
4"	1-1/4"	Stem: **5-1/8"** Plate: **5-1/4"**	Standard Swivel & Tread Lock Brake: **3-3/8"** Top Lock/ Total Lock Brake: **4-3/8"**	Soft Rubber	Plain	None	165	PGS40___ZN-SFR01(KK)	**Threaded: 741, 748, 705** **Grip Ring: 291, 273** **Expanding Adapter: 440-455** **Hollow Kingpin: 400** **Plate: 120, 149, 162**
				MonoTech (Donut)	Precision	Partial	250	PGS40___ZN-DMT32(GG)	
				MonoTech (Donut)	Delrin	None	250	PGS40___ZN-DMT11(GG)	
				Hard Rubber	Plain	None	255	PGS40___ZN-HDR01(KK)	
				TPR	Precision	Full	260	PGS40___ZN-TPR33(GG)	
				TPR	Precision	Partial	260	PGS40___ZN-TPR32(GG)	
				TPR	Delrin	None	260	PGS40___ZN-TPR11(GG)	
				Polyolefin	Plain	None	275	PGS40___ZN-POD01(KK)	
				MonoTech (Flat)	Precision	Partial	300	PGS40___ZN-FMT32(GG)	
				MonoTech (Flat)	Delrin	None	300	PGS40___ZN-FMT11(GG)	
				TPU (Blue)	Precision	Full	300	PGS40___ZN-TPU33(BG)	
				TPU (Blue)	Precision	Partial	300	PGS40___ZN-TPU32(BG)	
				TPU (Grey)	Precision	Full	300	PGS40___ZN-TPU33(GG)	
				TPU (Grey)	Precision	Partial	300	PGS40___ZN-TPU32(GG)	



Tread lock brake add [**TB**] at end of model.



Top lock brake add [**TL**] at end of model.



Total lock brake (all models) change 3rd digit to "**T**." Example: PGT40741ZN-DMT32(GG).

*To order, include **blue** fastener code in **Base Model Number**. Example: PGS30741ZN-SFR01(KK)

Threaded Stem

705: 2-13/16" × UNC13 × 1/2"

741: 1" × UNC13 × 1/2"

748: 1-1/2" × UNC13 × 1/2"

Grip Ring Stem

273 Brass Band: 1-3/8" × 7/16"

291: 1-1/4" × 7/16"

Expanding Adapter Stem



Fits Round Tube		Fits Square Tube	
Tubing ID Range	**Code**	**Tubing ID Range**	**Code**
3/4"-13/16"	440	7/8"-15/16"	451
7/8"-15/16"	441	1" - 1-1/16"	452
1" - 1-1/16"	442	1-1/8" - 1-3/16"	453
1-1/8" - 1-3/16"	443	1-1/4" - 1-5/16"	454
1-1/4" - 1-5/16"	444	1-3/8" - 1-7/16"	455
1-3/8" - 1-7/16"	445		
1-1/2" - 1-9/16"	446		
1-5/8"-1-11/16"	447		

Top Plate

120: 2-5/8" × 3-3/4", 1-3/4", 2-3/4 to 3", 5/16" bolt

162: 3-1/8" × 4-1/8", 1-3/4" to 2-3/8", 3" to 3-3/8", 5/16" bolt

149: 3-3/4" × 4-1/2", 2-5/8" to 3", 3" to 3-5/8", 3/8" bolt



Rigid plate: change 3rd digit to "**R**." Example: PG**R**40120ZN-FMT32(GG) .

Note: The following brakes are not available for the 162 and 149 plates: Top Lock, Total Lock, and Direction Lock Brakes.

Hollow Kingpin

400



Accepts 1/2" diameter bolts. 3/8" reducer bushing also available; order part# 009117 in addition to caster.

Institutional Series

Continued from previous page


Plate


Threaded


Grip Ring


Hollow Kingpin


Expanding Adapter

3" to 4" Models on Previous Page

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Bearing Type	Thread Guard Type	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection*
5"	1-1/4"	Stem: **6-1/8"** Plate: **6-1/4"**	Swivel & Tread Lock Brake: **3-7/8"** Top Lock/ Direction/ Total Lock Brake: **4-3/8"**	Soft Rubber	Plain	None	200	PGS50___ZN-SFR01(KK)	**Threaded:** 741, 748, 705 **Grip Ring:** 291, 273 **Expanding Adapter:** 440-455 **Hollow Kingpin:** 400 **Plate:** 120, 149, 162, 195
				Hard Rubber	Plain	None	280	PGS50___ZN-HDR01(KK)	
				TPR	Precision	Full	280	PGS50___ZN-TPR33(GG)	
				TPR	Precision	Partial	280	PGS50___ZN-TPR32(GG)	
				TPR	Delrin	None	280	PGS50___ZN-TPR11(GG)	
				Polyolefin	Plain	None	300	PGS50___ZN-POD01(KK)	
				MonoTech (Donut)	Precision	Partial	300	PGS50___ZN-DMT32(GG)	
				MonoTech (Donut)	Delrin	None	300	PGS50___ZN-DMT11(GG)	
				TPU (Blue)	Precision	Full	315	PGS50___ZN-TPU33(BG)	
				TPU (Blue)	Precision	Partial	315	PGS50___ZN-TPU32(BG)	
				TPU (Grey)	Precision	Full	315	PGS50___ZN-TPU33(GG)	
				TPU (Grey)	Precision	Partial	315	PGS50___ZN-TPU32(GG)	
				MonoTech (Flat)	Precision	Partial	325	PGS50___ZN-FMT32(GG)	
				MonoTech (Flat)	Delrin	None	325	PGS50___ZN-FMT11(GG)	
6"	1-1/4"	Stem: **7-1/8"** Plate: **7-1/4"**	Swivel & Tread Lock Brake: **4-1/2"** Top Lock/ Total Lock Brake: **4-3/8"**	Pneumatic (Black)	Ball	None	150	PGS60___ZN-PNU21(KG)	**Threaded:** 741, 748 **Grip Ring:** 273 **Expanding Adapter:** 440-455 **Hollow Kingpin:** 400 **Plate:** 120
				No-Matic (Black)	Ball	None	150	PGS60___ZN-NOM21(KG)	
				No-Matic (Grey)	Ball	None	150	PGS60___ZN-NOM21(GG)	
				TPR	Precision	Full	300	PGS60___ZN-TPR33(GG)	
				TPR	Precision	Partial	300	PGS60___ZN-TPR32(GG)	
				TPU (Grey)	Precision	Full	325	PGS60___ZN-TPU33(GG)	
				TPU (Grey)	Precision	Partial	325	PGS60___ZN-TPU32(GG)	
				Vipor	Ball	None	300	PGS60___ZN-VPR21(CG)	
				MonoTech (Donut)	Precision	Partial	325	PGS60___ZN-DMT32(GG)	
				MonoTech (Donut)	Delrin	None	325	PGS60___ZN-DMT11(GG)	

*To order, include **blue** fastener code in **Base Model Number**. Example: PGS50741ZN-SFR01(KK)

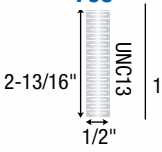

Tread lock brake add [**TB**] at end of model.

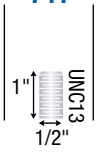

Top lock brake add [**TL**] at end of model.

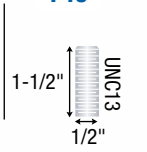

Total lock brake (all models) change 3rd digit to "**T**." Example: PGT50741ZN-DMT32(GG).


Direction lock brake (5" plate models) change 3rd digit to "**D**" Example: PGD50120ZN-TPU33(BG).

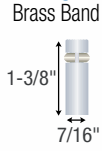
Threaded Stem

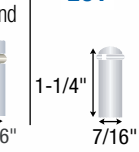
705


741


748


Grip Ring Stem

273 Brass Band


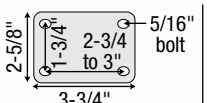
291


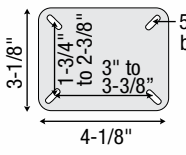
Expanding Adapter Stem

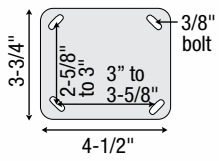


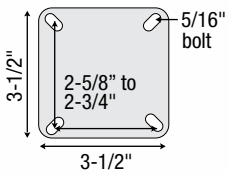
Fits Round Tube		Fits Square Tube	
Tubing ID Range	**Code**	**Tubing ID Range**	**Code**
3/4"-13/16"	440	7/8"-15/16"	451
7/8"-15/16"	441	1" - 1-1/16"	452
1" - 1-1/16"	442	1-1/8" - 1-3/16"	453
1-1/8" - 1-3/16"	443	1-1/4" - 1-5/16"	454
1-1/4" - 1-5/16"	444	1-3/8" - 1-7/16"	455
1-3/8" - 1-7/16"	445		
1-1/2" - 1-9/16"	446		
1-5/8"-1-11/16"	447		

Top Plate

120


162


149


195


Note: The following brakes are not available for the 162, 149, and 195 plates: Top Lock, Total Lock, and Direction Lock Brakes.

Hollow Kingpin

400



Accepts 1/2" diameter bolts. 3/8" reducer bushing also available; order part# 009117 in addition to caster.


Rigid plate: change 3rd digit to "**R**." Example: PGR50120ZN-FMT32(GG) .

General Duty

Features

- Economical mobility solution
- Zinc finish
- RoHS Compliant
- Single race
- Nut and bolt axle
- Nickel plated kingpin for smooth swivel

Applications

- Store Fixtures
- Furniture
- Material Handling
- Institutional Equipment
- Industrial Equipment

Options

- Brake: available on all swivel models (excludes steel wheel tread types). Add [**B**] to end of model number.



RoHS Environmentally friendly

NSF listed



Wheel Selection



Soft Rubber (Black)



Hard Rubber (Dark Grey)



Polyolefin



Steel

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Swivel Top Plate Model Number	Rigid Top Plate Model Number	Fastening Selection See page 60-62 for General Duty plate drawings.
2"	13/16"	2-1/2"	**1-13/16"** Brake: **2-1/8"**	Soft Rubber (Black)	90	PSQ20112ZN-3R	PRQ20122ZN-3R	**112 Swivel:** 1-7/8" x 2-9/16" **122 Rigid:** 1-1/2" x 2-21/32" **Bolt Spacing:** (15/16" x 2-1/8") **1/4" Bolt**
				Polyolefin	125	PSQ20112ZN-3E	PRQ20122ZN-3E	
				Hard Rubber (Dark Grey)	125	PSQ20112ZN-3H	PRQ20122ZN-3H	
				Steel	125	PSQ20112ZN-STL01(GG)	PRQ20122ZN-STL01(GG)	
2-1/2"	1-1/8"	3-1/4"	**2-1/4"** Brake: **2-3/4"**	Soft Rubber (Black)	100	PSQ25115ZN-3R	PRQ25123ZN-3R	**115 Swivel:** 2-3/4" x 3-7/8" **Bolt Spacing:** (1-3/4" x 3") **123 Rigid:** 2-1/8" x 4-3/8" **Bolt Spacing:** (1-1/16" x 3-1/2") **5/16" Bolt**
				Polyolefin	175	PSQ25115ZN-3E	PRQ25123ZN-3E	
				Hard Rubber (Dark Grey)	175	PSQ25115ZN-3H	PRQ25123ZN-3H	
				Steel	175	PSQ25115ZN-STL01(GG)	PRQ25123ZN-STL01(GG)	
3"	1-1/4"	3-13/16"	**2-5/8"** Brake: **3-1/4"**	Soft Rubber (Black)	150	PSQ30119ZN-3R	PRQ30124ZN-3R	**119 Swivel:** 3-1/8" x 4-1/8" **Bolt Spacing:** (2-3/8" x 3-3/8" to 3-7/16") **124 Rigid:** 2-5/16" x 4-7/8" **Bolt Spacing:** (1-3/16" x 4") **5/16" Bolt**
				Polyolefin	210	PSQ30119ZN-3E	PRQ30124ZN-3E	
				Hard Rubber (Dark Grey)	225	PSQ30119ZN-3H	PRQ30124ZN-3H	
				Steel	225	PSQ30119ZN-STL01(GG)	PRQ30124ZN-STL01(GG)	
4"	1-3/8"	5"	**3-7/16"** Brake: **3-9/16"**	Soft Rubber (Black)	200	PSQ40121ZN-3R	PRQ40125ZN-3R	**121 Swivel:** 4" x 5-1/8" **Bolt Spacing:** (3" x 4") **125 Rigid:** 3-1/16" x 6-1/8" **Bolt Spacing:** (1-3/4" x 5") **3/8" Bolt**
				Polyolefin	250	PSQ40121ZN-3E	PRQ40125ZN-3E	
				Hard Rubber (Dark Grey)	300	PSQ40121ZN-3H	PRQ40125ZN-3H	

Swivel Plate



Rigid Plate





Friction Brake
Available on swivel models except steel wheel. Add [**B**] at end of model.

00 Series Low Profile

Made in the U.S.A.

RoHS Environmentally friendly



Features

- Industry leading selection and overall value
- Fast deliveries for any order quantity
- Sleek, low profile design
- Up to 300 lb. capacity per caster
- Dual ball bearing raceways for smooth and dependable swivel
- Models with polyolefin log wheel are NSF approved

Applications

- Electronic Equipment
- Business Machines
- Store Fixtures
- Laboratory Equipment
- Vending Machines
- Dolly Solutions
- Refrigeration Units

Options

- **Side Lock Brake**: Available on all 2" models. To order, add [**B**] to end of model.



- **Thumb Screw Brake:** Available by special order; consult factory for details.
- **Finishes:** Zinc plating standard; optional finishes available. Consult factory.



Polished Nickel | Bright Chrome | Copper Oxide | Black Oxide

Wheel Selection



	Soft Rubber (Dark Grey)	Thermoplastic Rubber (TPR) (Grey)	Hard Rubber (Loden Grey)	Polyolefin Dual (Black)	Polyolefin Log (Black)
Floor Protection[1]	✓+	✓+	✓	✓	✓
Non-Marking	✓	✓+	✓	✓	✓
Durability	✓	✓	✓	✓+	✓+
Cushioned Ride	✓+	✓			
Chemical Resistance	✓	✓	✓	✓+	✓+

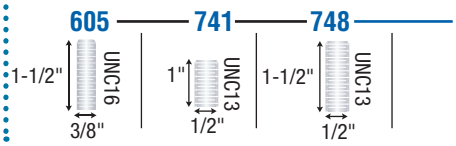
[1]See page 48 for application details.

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection[2]
1-7/16"	1-11/16"	Stem: 2-1/8" / Plate: 2-3/16"	1-3/4"	Polyolefin Log (Black)	150	C0014___ZN-POL01(KK)	Threaded: 605, 741, 748 / Grip Ring: 211, 273 / Plate: 120
2"	Dual (each): 13/16" / Log: 1-13/16"	Stem: 2-3/4" / Plate: 2-13/16"	2" / Brake: 2-15/16"	Soft Rubber Dual (Dark Grey)	180	C0020___ZN-SFR01(GG)	Threaded: 605, 741, 748 / Grip Ring: 211, 273 / Plate: 120
				TPR Dual (Grey)	180	C0020___ZN-TPR01(GG)	
				Hard Rubber Dual (Loden Grey)	225	C0020___ZN-HDR01(GG)	
				Polyolefin Dual (Black)	225	C0020___ZN-POS01(KK)	
				Polyolefin Log (Black)	300	C0020___ZN-POL01(KK)	

[2]To order, include **blue** fastener code in **Base Model Number**. Example: C0020605ZN-SFR01(GG)

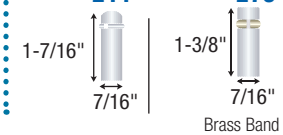
Threaded Stem

605 — 741 — 748



Grip Ring Stem

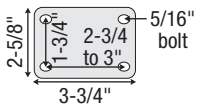
211 — 273



Brass Band

Top Plate

120







Side Lock Brake: To order, add [**B**] to end of model.



New ultra low profile 1-7/16" diameter model now available.



Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Business Machine

BLS/BMS Series Low Profile

Features

- Designed to achieve the highest load capacity in a sleek, low profile design
- Heavy gauge steel for maximum durability
- Innovative wheel materials for ease of mobility and trusted performance
- RoHS Compliant

Applications

- Copiers
- Business Machines
- Vending Machines
- Computer Storage Devices
- Refrigerated Displays
- Electronics Cabinets
- Vending Machines
- Dolly Solutions
- Refrigeration Units

Options

- **Sure-Lok Brake** available on 3" swivel & rigid glass filled nylon and urethane models (swivel radius is 2-5/8"). Add [**SL**] to end of model number.



- **Thumb Screw Brake** available on 3" swivel models (swivel radius 2-7/16"). Add [**B**] to end of model number.

RoHS
Environmentally friendly



Wheel Selection



Polyolefin (2-1/2" models)



Phenolic (2-3/8" and 3" models)



Glass Filled Nylon (3" models)



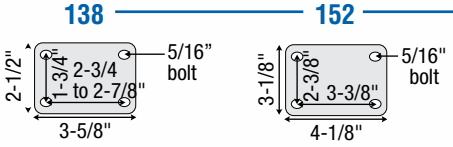
Urethane (55-65 Shore D Durometer) (3" models)

Floor Protection[1]	✓	✓	✓	✓+
Non-Marking	✓	✓	✓	✓+
Durability	✓+	✓	✓+	✓+
Ease of Rolling	✓	✓	✓+	✓
Chemical Resistance	✓+		✓+	✓+

[1]See page 48 for application details.

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Bearing Type	Swivel Top Plate Model Number	Rigid Top Plate Model Number	Fastening Selection
2-3/8"	1-5/8"	3-7/32"	2-3/32"	Phenolic	600	Roller	BLS23**138**TZ-PHN51(KK)	BLR23**138**TZ-PHN51(KK)	**Plate: 138**
2-1/2"	1-3/4"	3-5/16"	2-1/4"	Polyolefin	400	Roller	BLS25**138**TZ-POL51(KK)	BLR25**138**TZ-POL51(KK)	**Plate: 138**
BLS: **3"**	1-13/16"	3-31/32"	2-5/16"	Phenolic	700	Roller	BLS30**152**TZ-PHN51(KK)	BLR30**152**TZ-PHN51(KK)	**Plate: 152**
				Glass Filled Nylon	700	Precision Ball	BLS30**152**TZ-GFN61(KK)	BLR30**152**TZ-GFN61(KK)	
				Urethane	700	Roller	BLS30**152**TZ-SPU51(GG)	BLR30**152**TZ-SPU51(GG)	
BMS: **3"**	1-13/16"	4-1/32"	2-5/16"	Phenolic	900	Roller	BMS30**152**TZ-PHN51(KK)	BMR30**152**TZ-PHN51(KK)	**Plate: 152**
				Glass Filled Nylon	1,000	Precision Ball	BMS30**152**TZ-GFN61(KK)	BMR30**152**TZ-GFN61(KK)	
				Urethane	1,000	Roller	BMS30**152**TZ-SPU51(GG)	BMR30**152**TZ-SPU51(GG)	

Top Plate



Braking is now elementary:

The Sure-Lok Brake is a revolutionary new mechanical brake design that easily engages with the simple push of a finger, securely locking the wheel in its place. Don't spend unnecessary time and effort tightening down a thumb-screw brake again; order your next business machine casters with Sure-Lok Brakes. To order, add [**SL**] to the end of your 3" swivel or rigid model number.



BDS/BDR



Features

- Sleek, low profile design
- Easy pivoting action
- Dual ball raceways protected by dust cap
- Heat treated
- High luster chrome finish
- Precision bearing wheels for ultimate mobility
- Full thread guards on all 2-1/2" neoprene models

Applications

- Theatrical Equipment
- Computer Frames
- Electronic Enclosures
- Copy Machines
- Business Machines
- Medical Equipment
- Fixtures and Displays

Options

- Additional fastenings available by special order. Please contact factory for additional information and minimums.

Wheel Selection



	Neoprene Donut (2" models)	Neoprene Flat (2-1/2" models)	Glass Filled Precision Bearing Nylon (2" model)	Glass Filled Precision Bearing Nylon (2-1/2" model)
Floor Protection[1]	✓+	✓+	✓	✓
Non-Marking	✓+	✓+	✓+	✓+
Durability	✓+	✓+	✓+	✓+
Cushioned Ride	✓+	✓+		
Chemical Resistance	✓	✓	✓+	✓+

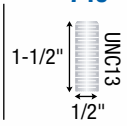
[1]See page 48 for application details.

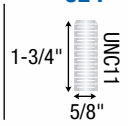
Wheel Diameter (Inches)	Tread Width* (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Bearing Type	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection[2]
2"	Each wheel: **1"**	Stem: **3-3/16"** Plate: **3-5/16"**	2-1/4"	Neoprene (Donut)	Precision Ball	300	BDS20___BC-NPR31(KK)	**Threaded: 741, 748, 824, 825** **Plate: 142** **Hollow Kingpin: 400**
				Glass Filled Nylon	Precision Ball	400	BDS20___BC-GFN31(KK)	
2-1/2"	Each wheel: **1"**	Stem: **3-3/4"** Plate: **3-7/8"**	2-1/2"	Neoprene (Flat)	Precision Ball	300	BDS25___BC-NPR33(KK)	
				Glass Filled Nylon	Precision Ball	400	BDS25___BC-GFN31(KK)	

[2]To order, include **blue** fastener code in **Base Model Number**. Example: BDS20741BC-NPR31(KK)

Threaded Stem

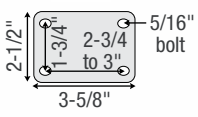
741


748


824


825


Top Plate

142


Hollow Kingpin

400


Accepts 1/2" diameter bolts.

2" mount height is 3-1/16";
2-1/2" mount height is 3-5/8"



Rigid plate: change 3rd digit to "**R**." Example: BD**R**20142BC-NPR31(KK)



Omega

Features

- Precision ball bearing wheels for smooth, quiet, and easy rollability
- Fully heat treated
- Dual ball bearing raceways
- High luster chrome or black finish
- Matching thread guards

Applications

- Furniture
- IV Poles
- Seating
- Medical Equipment
- Electronic Equipment

Options

- **Brakes:** Tread brake uniformly integrated into body design for smooth look and ease of activation. Add **[B]** to end of model.
- **Bolt-In Stems:** available for 403 hollow kingpin models.





Wheel Selection


Vipor


NPR



MonoTech

	Vipor	NPR	MonoTech
Floor Protection[1]	✓+	✓+	✓+
Non-Marking	✓+	✓+	✓+
Durability	✓+	✓+	✓+
Cushioned Ride	✓	✓+	✓+
Chemical Resistance	✓+	✓	✓+

[1]See page 48 for application details.

Finish Selection


Bright Chrome


Black

Black finish available on 3" MonoTech models; consult factory for other requirements.

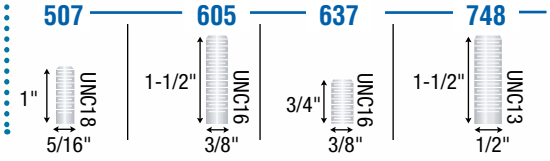
MonoTech Facts

1. Provides ultimate floor protection and a quiet, cushioned ride.
2. Rolls over obstacles with ease.
3. Will not flat spot and is excellent on any floor type.
4. Rejects floor debris, including metal shavings and glass.

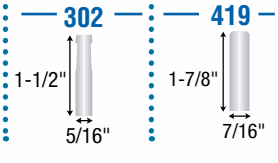
Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Finish	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection[2]
2"	15/16"	2-3/4"	**2"** Brake: **2-1/2"**	Neoprene	Bright Chrome	75	POM20___BC-NPR	**Threaded:** 507, 637, 605 **Grip Ring:** 223
3"	15/16"	3-7/8"	**2-7/8"** Brake: **3-1/8"**	MonoTech	Bright Chrome	110	POM30___BC-MNT	**Threaded:** 507, 605, 637, 748 **Grip Neck:** 302 **Round:** 419 **Grip Ring:** 242, 222, 223, 211 **Hollow Kingpin:** 403 **Plate:** 134
				MonoTech	Black	110	POM30___BZ-MNT	
				Vipor	Bright Chrome	120	POM30___BC-VPR33(CK)	

[2]To order, include **blue** fastener code in **Base Model Number**. Example: POM30507BC-MNT

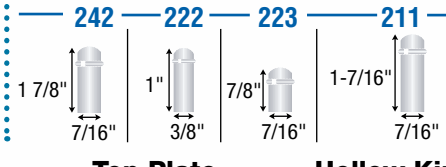
Threaded Stem



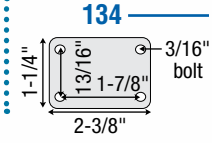
Grip Neck Round



Grip Ring



Top Plate



Hollow Kingpin



Accepts 3/8" diameter bolts

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



3" brake model



2" standard and brake model



RS/RT Total Lock



Features

- Light duty total lock brake with matching swivel
- Fully heat treated
- Dual ball bearing raceways
- Matching thread guards standard on all models
- Precision bearing wheels standard in neoprene and vipor wheel models
- 5/16" nut and bolt axle

Applications

- Store fixtures
- Institutional Equipment
- Electronic Equipment
- Mobile carts
- Furniture
- Medical Equipment

Options

- **Total lock brake** locks both wheel and swivel action simultaneously.



- Two position **direction lock**: Special order only.



- **Bolt-In Stems:** A variety of stems can be attached to the kingpinless fastening #406. Contact factory for bolt-in stem options.



Wheel Selection


Vipor


TPR Black


TPR Grey



MonoTech

	Vipor	TPR Black	TPR Grey	MonoTech
Floor Protection[1]	✓+	✓+	✓+	✓+
Non-Marking	✓+	✓+	✓+	✓+
Durability	✓+	✓	✓	✓+
Cushioned Ride	✓	✓	✓	✓+
Chemical Resistance	✓+	✓	✓	✓+

[1]See page 48 for application details.

Note: Not all finishes are available with all wheel selections.

MonoTech Facts

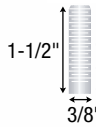
1. Provides ultimate floor protection and a quiet, cushioned ride.
2. Rolls over obstacles with ease.
3. Will not flat spot and is excellent on any floor type.
4. Rejects floor debris, including metal shavings and glass.

Wheel Diameter (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Width (In.)	Wheel Type	Finish Type	Dynamic Load (Pounds)	Free Swivel Model Number	Total Lock Model Number	Fastening Selection[2]
3"	H. Kingpin: 4" / Stem: 4-3/16" / Plate: 4-5/16"	2-15/16" / Brake: 4"	15/16"	MonoTech	Bright Chrome	110	PRS30___BC-MNT33(KK)	PRT30___BC-MNT33(KK)	**Hollow Kingpin:** 406 **Threaded:** 507, 605, 637, 748 **Grip Neck:** 302 **Round:** 419 **Grip Ring:** 242, 222, 223, 211 **Plate:** 140
			13/16"	TPR Grey	Zinc Plated	110	PRS30___ZN-TPR03(GG)	PRT30___ZN-TPR03(GG)	
			13/16"	TPR Black	Black	110	PRS30___BK-TPR03(KK)	PRT30___BK-TPR03(KK)	
			15/16"	Vipor	Bright Chrome	120	PRS30___BC-VPR33(CK)	PRT30___BC-VPR33(CK)	

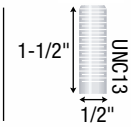
[2]To order, include **blue** fastener code in **Base Model Number**.
Example: PRS30507BC-MNT33(KK)

Threaded Stem

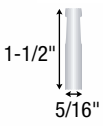
507


605


637

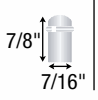

748


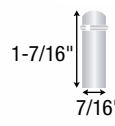
Grip Neck

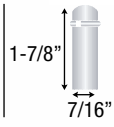
302


Grip Ring

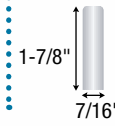
222


223


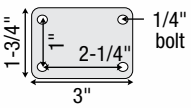
211


242


Round

419


Top Plate

140


Hollow Kingpin

406

Accepts 3/8" diameter bolts.




Choice of Bright Chrome, Black or Grey

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Eclipse

Features

- Strong glass filled nylon body
- Sleek stylish design
- Full thread guards available on all thermoplastic rubber wheel models
- Nut and bolt axle

Applications

- POP Displays
- Furniture
- Utility Carts
- Store Fixtures
- Seating
- Medical Equipment

Options

- **Brake:** Tread brake uniformly integrated into body design for smooth look and ease of activation. See below chart for model numbers.
- **RoHS Compliant:** available by special order, minimums may apply.
- **Stainless Steel Components:** available by special order; minimums apply.



Wheel Selection



Flat Grey Polyurethane (TPU)



Flat Black Polyurethane (TPU)



New

Donut Black Polyurethane

	Flat Grey Polyurethane (TPU)	Flat Black Polyurethane (TPU)	Donut Black Polyurethane
Floor Protection[1]	✓+	✓+	✓+
Non-Marking	✓+	✓+	✓+
Durability	✓+	✓+	✓+
Cushioned Ride	✓	✓	✓+
Chemical Resistance	✓+	✓+	✓+

[1]See page 48 for application details.

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Connects casters to wood



Connects casters to round tubes



Connect casters to PVC pipe legs



Weldable caster mount



Connects casters to square tubes



Corner brackets

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Bearing Type	Dynamic Load (Pounds)	Swivel Base Model Number (Add fastening code)	Brake Base Model Number (Add fastening code)	Fastening Selection[2]
3"	1"	4-5/16"	2-1/2" Brake: 3-1/8"	Flat Black TPU	Delrin	120	PEC30___BK-TPU03(KK)	PEC30___BK-TPU03(KK)B	Threaded: 507, 637
				Flat Grey TPU	Delrin	120	PEC30___GR-TPU03(GG)	PEC30___GR-TPU03(GG)B	
				Donut Black Urethane	Precision Ball	120	PEC30___BK-SKW31(KK)	PEC30___BK-SKW31(KK)B	Grip Ring: 211, 223
4"	1"	5-3/8"	3-1/4" Brake: 3-13/16"	Flat Black TPU	Delrin	125	PEC40___BK-TPU03(KK)	PEC40___BK-TPU03(KK)B	Threaded: 507, 637
				Flat Grey TPU	Delrin	125	PEC40___GR-TPU03(GG)	PEC40___GR-TPU03(GG)B	Grip Ring: 211, 223

[2]To order, include **blue** fastener code in **Base Model Number**. Example: PEC30507BK-TPU03(KK)

Threaded

507



637



Grip Ring

223



211





Optimus



Features

- Integrated thread guard design on caster body plus additional wheel thread guards
- Nylon body construction
- Riveted axle
- Non-marking resilient rounded tread Performa rubber wheels

Applications

- Fixtures
- Furniture
- Office Equipment
- Laboratory Equipment
- IV Stands
- Mobile Computer Stands
- Medical Equipment

Options

- Additional fastenings available by special order; please consult factory.
- Additional colors available by special order; please consult factory.

Wheel Selection



Performa Rubber

Floor Protection	✓+
Non-Marking	✓+
Durability	✓+
Quiet/Cushion Roll	✓+
Chemical Resistance	✓+

Performa Rubber Facts

1. Quiet rolling
2. Non-marking floor protection
3. Rejects floor debris

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Dynamic Load (Pounds)	Swivel Base Model Number (Add fastening code)	Face Brake Base Model Number (Add fastening code)	Fastening Selection*
3-1/8"	1"	4-9/32"	3-3/4"	Performa Rubber	140	OP-03PRN-100-SW-___	OP-03PRN-100-FB-___	**Threaded:** TS06 **Grip Ring:** GR01, GR02

*To order, include **blue** fastener code in **Base Model Number**. Example:OP-03PRN-100-SW-TS06

Threaded

TS06

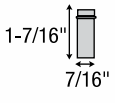


Grip Ring

GR01



GR02



Free swivel model



Tread brake model



Genesis

Clean • Quiet • Effortless

Features

- Sealed precision bearings in swivel and wheel provide quiet, effortless mobility
- Soft (65A), non-marking MonoTech wheels reject debris and are excellent on both carpet and hard floors
- Strong protective body conceals components for easy cleaning
- Integrated thread guards protect wheels from entangling debris

Applications

- Computer Carts
- Laboratory Equipment
- Audio/Video Carts
- Electronic Equipment
- Seating
- Medical Carts
- Monitoring Equipment Stands
- IV Poles

Options

- **Integrated Tread Brake:** Available on all models.
- **Central Locking** Total Lock Brake available by special order; contact factory for details.
- **Custom Colors available** by special order; contact factory for minimums.
- **Additional Fastenings:** Does your application require a metric or special fastening? Please contact us for minimums and availability.

RoHS
Environmentally friendly



Wheel Selection



MonoTech

Floor Protection	✓+
Non-Marking	✓+
Durability	✓+
Quiet/Cushion Roll	✓+
Chemical Resistance	✓+

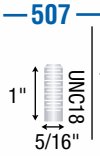
MonoTech Facts

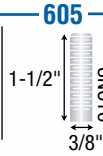
1. Provides ultimate floor protection and a quiet, cushioned ride.
2. Rolls over obstacles with ease.
3. Will not flat spot and is excellent on any floor type.
4. Rejects floor debris, including metal shavings and glass.

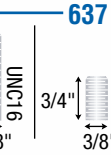
Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Finish	Dynamic Load (Pounds)	Swivel Base Model Number (Add fastening code)	Tread Brake Model Number (Add fastening code)	Fastening Selection*
3"	1"	4"	2-15/16" Brake: 3-3/4"	MonoTech	White	110	PGE30___WH-MNT33(GG)	PGE30___WH-MNT33(GG)B	**Threaded:** 507, 605, 637, 748 **Grip Ring:** 223, 211 **Hollow Kingpin:** 403
				MonoTech	Grey	110	PGE30___GR-MNT33(GG)	PGE30___GR-MNT33(GG)B	
				MonoTech	Black	110	PGE30___BK-MNT33(KK)	PGE30___BK-MNT33(KK)B	
4"	1-1/4"	Stem: 5-3/8" Plate: 5-5/8"	3-3/4" Brake: 4-1/8"	MonoTech	White	225	PGE40___WH-MNT63(GG)	PGE40___WH-MNT63(GG)B	**Threaded:** 741, 748 **Grip Ring:** 291 **Plate:** 120 **Hollow Kingpin:** 400
				MonoTech	Grey	225	PGE40___GR-MNT63(GG)	PGE40___GR-MNT63(GG)B	
				MonoTech	Black	225	PGE40___BK-MNT63(KK)	PGE40___BK-MNT63(KK)B	

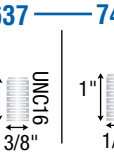
*To order, include **blue** fastener code in **Base Model Number**.
Example: PGE30507WH-MNT33(GG)

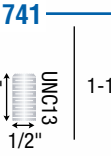
Threaded Stem

507


605


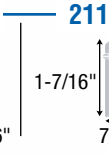
637


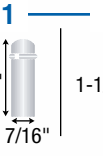
741


748


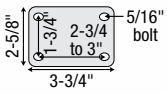
Grip Ring

223


211


291


Top Plate

120


Hollow Kingpin

403 or 400


Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Finish Options


White


Grey


Black

Next Generation Nylon



RoHS
Environmentally friendly

Features

- Maintenance free
- Sealed precision bearing raceway, smooth and quiet
- Wheels feature sealed precision ball bearings and full thread guards
- Resistance to most chemicals
- Zinc plated top plate
- Recessed axle with plastic cap covers

Applications

- Laboratory Equipment
- IV Stands
- Mobile Computer Stands
- Medical Equipment
- Medical Furniture

Options

- **Total Lock Brake** models lock both swivel and wheel
- **Directional lock** models lock swivel only (helps with steering)
- Additional fastenings available by special order; please consult factory.
- Additional colors available by special order; please consult factory.

Wheel Selection



QikStart TPR



Anti-Microbial TPR



Santoprene

	QikStart TPR	Anti-Microbial TPR	Santoprene
Floor Protection	✓+	✓+	✓+
Non-Marking	✓+	✓+	✓+
Durability	✓+	✓+	✓+
Cushioned Ride	✓+	✓+	✓+
Chemical Resistance	✓	✓	✓



Custom Colors Available

Next Generation Stainless: 304 stainless steel top plates and components for better corrosion protection. Change NG to **NS** in chart at right.



Next Generation Antistatic: Helps minimize the risk of electrostatic discharge. Change NG to **NA** in chart at right.



Next Generation Non-Magnetic: Components are made of non-magnetic plastic and metals. Change NG to **NM** in chart at right.

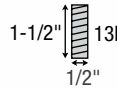


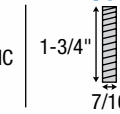
Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Wheel Bearing	Dynamic Load (Pounds)	Swivel Base Model Number (Add fastening code)	Total Lock Model Number (Add fastening code)	Fastening Selection*
3"	1-1/4"	Stem: 4-7/32" Plate: 4-1/4"	2-13/16" Brake: 3-3/4"	QuikStart TPR	Precision Ball	200	NG-03QDP-125-SW-___	NG-03QDP-125-TL-___	Threaded: TS02, TS03, TS05, TS21, TS22 Hollow Kingpin: HKU1 (Unassembled), HK01 (Assembled) Grip Ring: GR01, GR02, GR04, GR05, GR07, GR09, GR10 Plate: TP01
				QuikStart TPR	Plain	200	NG-03QDO-125-SW-___	NG-03QDO-125-TL-___	
				Anti-Microbial TPR	Precision Ball	200	NG-03AMP-125-SW-___	NG-03AMP-125-TL-___	
4"	1-1/4"	Stem: 5-13/32" Plate: 5-3/4"	3-7/16" Brake: 4-7/16"	QuikStart TPR	Precision Ball	275	NG-04QDP-125-SW-___	NG-04QDP-125-TL-___	
				Anti-Microbial TPR	Precision Ball	275	NG-04AMP-125-SW-___	NG-04AMP-125-TL-___	
5"	1-1/4"	Stem: 6-1/2" Plate: 6-7/8"	4" Brake: 4-7/16"	Santoprene	Precision Ball	260	NG-05RPP-125-SW-___	NG-05RPP-125-TL-___	
				QuikStart TPR	Precision Ball	300	NG-05QDP-125-SW-___	NG-05QDP-125-TL-___	
				Anti-Microbial TPR	Precision Ball	300	NG-05AMP-125-SW-___	NG-05AMP-125-TL-___	
6"	1-1/4"	Stem: 7-1/2" Plate: : 7-11/16"	All: 4-9/16"	QuikStart TPR	Precision Ball	300	NG-06QDP-125-SW-___	NG-06QDP-125-TL-___	
				QuikStart TPR	Plain	300	NG-06QDO-125-SW-___	NG-06QDO-125-TL-___	
				Anti-Microbial TPR	Precision Ball	300	NG-06AMP-125-SW-___	NG-06AMP-125-TL-___	

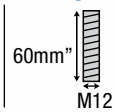
*To order, include **blue** fastener code in **Base Model Number**. Example: NG-03QDP-125-SW-TS02

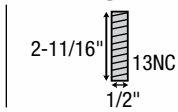
Threaded

TS02


TS03


TS05


TS21


TS22


Hollow Kingpin

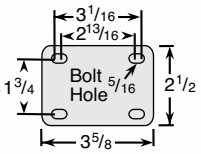
HKU1 or HK01



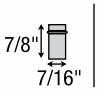
HKU1 is unassembled

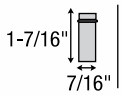
Top Plate

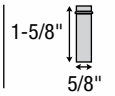
TP01

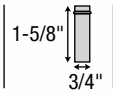


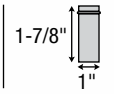
Grip Ring

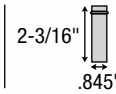
GR01


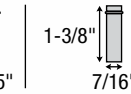
GR02


GR04


GR05


GR07


GR09


GR10




Rigid model available for 3", 5" and 6" diameter wheels. Change SW to **RG**. Example: NG-03QDP-125-**RG**-TS02



Rigid brake model available on 5" models. Change TL to **RB**. Example: NG-03QDP-125-**RB**-TS02

Optional round, square and expanding adapter stems along with many **other fastening** selections are available. Consult factory.



Total Lock brakes lock wheel and swivel (see chart)



Direction lock brakes lock swivel only for easier steering. Change TL to **DL** in chart above. Example: NG-05QDP-125-**DL**-TP01



Ball Metal Tread



Made in the U.S.A.

Features

- Industry leading selection and overall value
- Fast deliveries for any order quantity
- Self-lubricating acetyl resin bearing
- No exposed axle

Applications

- Store Fixtures
- Furniture
- Office Equipment
- Medical Equipment

Options

- **Brake** 2-1/2" diameter models.
- **Tred-Gard®** cover protects tread from scratches during manufacturing and shipping. To order add [**-T**] to end of Part Number. Available for 2" and 2-1/2" models. For field installable Tred-Gards order **001391** for 2" and **001550** for 2-1/2" models.



Wheel Diameter (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Finish Type	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
1-1/2" Starlet	Thread/Plate: **1-13/16"** Grip Ring/Grip Neck: **1-5/8"**	**1-3/16"**	Bright Brass	40	PST15___BB		**Threaded:** 525 **Grip Neck:** 302 **Plate:** 1R
			Bright Chrome	40	PST15___BC		
			Windsor Antique	40	PST15___WA		
2" Satellite	Thread: **2-5/16"** Grip Ring/Grip Neck: **2-3/16"** Plate: **2-1/2"**	**1-1/2"**	Bright Brass	75	PSE20___BB		**Threaded:** 507, 525, 605, 637, 639, 828 **Grip Neck:** 302 **Grip Ring:** 211, 222, 223 **Plate:** 101, 113
			Bright Chrome	75	PSE20___BC		
			Satin Chrome	75	PSE20___SC		
			Windsor Antique	75	PSE20___WA		
2-1/2" Planet	Thread: **2-13/16"** Grip Ring/Grip Neck: **2-11/16"** Plate: **3"**	**1-7/8"** Brake: **2-5/16"**	Bright Brass	100	PPL25___BB	PPL25___BB-B	**Threaded:** 512, 525, 526, 545, 605, 637, 639 **Grip Neck:** 302 **Grip Ring:** 211, 222, 223 **Plate:** 101, 113
			Bright Chrome	100	PPL25___BC	PPL25___BC-B	
			Satin Chrome	100	PPL25___SC	PPL25___SC-B	
			Windsor Antique	100	PPL25___WA	PPL25___WA-B	





*To order, include **blue** fastener code in **Base Model Number**. Example: PST150525BB

Threaded Stem

828 — 5/8" UNF20 — 1/4"

525 — 1/2" UNC18 — 5/16"

545 — 7/8" UNC18 — 5/16"

507 — 1" UNC18 — 5/16"

526 — 1-1/4" UNC18 — 5/16"

512 — 2" UNC18 — 5/16"

639 — 5/8" UNF24 — 3/8"

637 — 3/4" UNC16 — 3/8"

605 — 1-1/2" UNC16 — 3/8"

Grip Neck

302 — 1-1/2" — 5/16"

Grip Ring

211 — 1-7/16" — 7/16"

223 — 7/8" — 7/16"

222 — 1" — 3/8"

Top Plate

1R — 1-1/16" — 25/32" — 5/32" bolt — 1-1/16"

113 — 1-3/16" — 13/16" — 1-9/16" — 3/16" bolt — 2"

101 — 1-1/2" — 1" — 1" — 3/16" bolt — 1-1/2"

Bright Chrome



Bright Brass



Windsor Antique



Satin Chrome



Note: Unfinished models available

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Ball Soft Tread

Features

- Industry leading selection and overall value
- Fast deliveries for any order quantity
- Self-lubricating acetyl resin bearing
- No exposed axle
- Rubber tread; Urethane for 1-9/16" diameter models

Applications

- Store Fixtures
- Furniture
- Office Equipment
- Medical Equipment

Options

- **Brake:** 3" diameter models only.
- Unfinished available
- **Locking Pin:** Available on 3" non-brake unfinished models. To order change "PSN" to "PNL" in Model Number.

Made in the U.S.A.

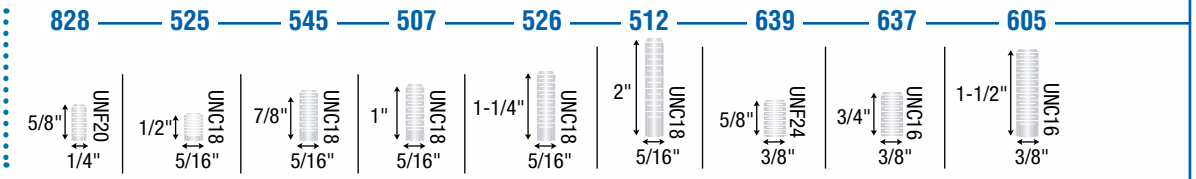


Wheel Diameter (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Finish Type	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
1-9/16" Cosmo	Thread/Plate: **1-13/16"** Grip Ring/Grip Neck: **1-11/16"**	**1-1/16"**	Bright Brass	40	PCM40___BB		**Threaded:** 525 **Grip Neck:** 302 **Plate:** 1R
2-1/4" Nova	Threaded: **2-7/16"** Grip Ring/Grip Neck: **2-5/16"** Plate: **2-5/8"**	**1-9/16"**	Bright Brass	75	PNA22___BB		**Threaded:** 507, 525, 605, 637, 639, 828 **Grip Neck:** 302 **Grip Ring:** 211, 222, 223 **Plate:** 101, 113
			Bright Chrome	75	PNA22___BC		
			Satin Chrome	75	PNA22___SC		
			Windsor Antique	75	PNA22___WA		
			Unfinished	75	PNA22___UF		
3" Saturn	Thread: **3"** Grip Ring/Grip Neck: **2-7/8"** Plate: **3-3/16"**	**2-1/16"** Brake: **2-5/16"**	Bright Brass	100	PSN30___BB	PSN30___BB-B	**Threaded:** 512, 525, 526, 545, 605, 637, 639 **Grip Neck:** 302 **Grip Ring:** 211, 222, 223 **Plate:** 101, 113
			Bright Chrome	100	PSN30___BC	PSN30___BC-B	
			Satin Chrome	100	PSN30___SC	PSN30___SC-B	
			Windsor Antique	100	PSN30___WA	PSN30___WA-B	
			Unfinished	100	PSN30___UF	PSN30___UF-B	

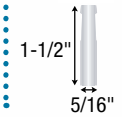


*To order, include **blue** fastener code in **Base Model Number**. Example: PCM40525BB

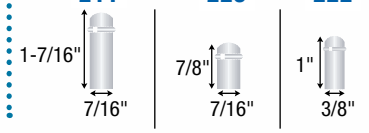
Threaded Stem



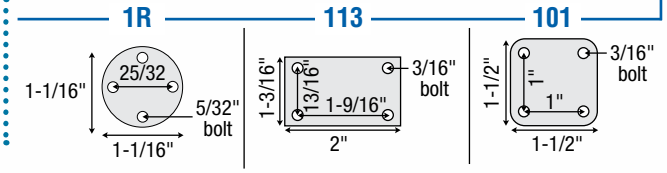
Grip Neck



Grip Ring



Top Plate



Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.





Bright Chrome



Bright Brass



Windsor Antique



Satin Chrome

Note: Unfinished models available

Baron



Features

- Double ball bearing raceways
- Octagon washer on threaded stem for easy installation
- 2” model is heat treated

Applications

- Store Fixtures
- Furniture
- Office Equipment
- Medical Equipment

Options

- RoHS compliant zinc finish available by special order; please consult factory for details.

Wheel Selection



1-5/8" Spherical Soft Rubber



2" Spherical Polyolefin

Wheel Diameter (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Finish Type	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Fastening Selection*
1-5/8"	2-5/16"	1-3/4"	Spherical Soft Rubber	Metalized Brass	70	PBH16___MB-3RD	**Threaded:** 532, 507 **Grip Neck:** 302 **Grip Ring:** 223, 211 **Plate:** 113
				Windsor Antique	70	PBH16___WA-3RD	
2"	2-5/8"	2-1/4"	Spherical Polyolefin	Bright Chrome	80	PBH20___BC-3ED	**Threaded:** 532, 507, 634, 605 **Grip Neck:** 302 **Grip Ring:** 222, 223, 211 **Plate:** 113
				Metalized Brass	80	PBH20___MB-3ED	
				Windsor Antique	80	PBH20___WA-3ED	

*To order, include **blue** fastener code in **Base Model Number**. Example:PBH16507MB-3RD

Threaded

532 — 3/4" UNC18 5/16"

507 — 1" UNC18 5/16"

605 — 1-1/2" UNC16 3/8"

634 — 1" UNC16 3/8"

Grip Neck

302 — 1-1/2" 5/16"

Grip Ring

222 — 1" 3/8"

223 — 7/8" 7/16"

211 — 1-7/16" 7/16"

Top Plate

113 — 1-3/16" 1-13/16 1-9/16 2" 3/16" bolt

Finish Options



Metalized Brass



Windsor Antique



Bright Chrome

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Connects casters to wood



Connects casters to round tubes



Connect casters to PVC pipe legs



Weldable caster mount



Connects casters to square tubes



Corner brackets



Shepherd Caster Design

Successful product development begins with good design and understanding the environment in which the casters will be used. Our product engineers collaborate with the customer to fully understand their needs. The team then creates an initial product design, taking into account all durability, environmental and aesthetic parameters. All designs are done three dimensionally for ease of viewing and structural analysis. Once this process is complete, the product is prototyped for additional testing and evaluation. Utilizing electronic design techniques, the latest materials and prototyping technologies allows us to quickly and cost effectively develop products that fit the customers needs. The process also allows our customer to fully incorporate the caster into their design.

Softech



RoHS
Environmentally friendly

Features

- Soft 70-75/A durometer tread constructed of high-tech thermoplastic elastomer
- High load ratings
- Quiet mobility
- Riveted axle for positive wheel retention
- Floor protective and non-marking

Applications

- Store Fixtures
- Electronic Equipment
- Audio/Visual Equipment
- Furniture
- Medical Equipment

Options

- **Brake** available for all models; see chart for ordering details.



Finish Options



Black



Grey

Special Feature Selection

Softech MRI Condititional

Rated MRI Conditional for use in MRI examination rooms. Available on 50mm, 60mm and 75mm models. To order add **MR** at end of model. Example: PSF50651GR-**MR**

For brake models add **MRB** at end of model. Example: PSF50651GR-**MRB**



Softech EZ-Clean

Innovative design allows you to remove the axle caps so you can disassemble a nut and bolt axle to clean the caster from any entangling debris. Ideal for shower chair applications and other applications requiring frequent cleaning to prolong caster life. Minimum order quantities may apply.



Socket Options



Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Connects casters to wood



Connects casters to round tubes



Connects casters to square tubes



Weldable caster mount



Metal T nut



Connect casters to PVC pipe legs



Connect casters to threaded pipes



Corner brackets

Softech continues next page

Softech

Continued from previous page

Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Finish Type	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Base Model # (Add fastening code)	Fastening Selection*
50mm	Stem: 2-1/4" Plate: 2-3/8"	1-13/16" Brake: 2-3/8"	Thermoplastic Elastomer	Black Body/Black Tread	75	PSF50___BK	PSF50___BK-B	Threaded: 507, 637, 634, 651 Grip Neck: 302 Grip Ring: 223, 211, 273, 202 Plate: 101
				Grey Body/Dark Grey Tread	75	PSF50___GR	PSF50___GR-B	
60mm	Stem: 2-5/8" Plate: 2-3/4"	2-1/16" Brake: 2-1/2"	Thermoplastic Elastomer	Black Body/Black Tread	100	PSF60___BK	PSF60___BK-B	Threaded: 507, 637, 634, 651 Grip Neck: 302 Grip Ring: 223, 211, 273, 202 Plate: 101
				Grey Body/Dark Grey Tread	100	PSF60___GR	PSF60___GR-B	
75mm	Threaded: 3-1/4" Grip Neck/Ring: 3-3/16" Plate: 3-1/2"	2-1/2" Brake: 3-3/16"	Thermoplastic Elastomer	Black Body/Black Tread	165	PSF75___BK	PSF75___BK-B	Threaded: 507, 637, 634, 741, 748, 651 Grip Neck: 302 Grip Ring: 223, 291, 211, 273, 202 Plate: 101, 116, 120
				Grey Body/Dark Grey Tread	165	PSF75___GR	PSF75___GR-B	
100mm	Threaded: 4-3/8" Grip Ring: 4-5/16" Plate: 4-5/8"	3-5/8" Brake: 4-1/2"	Thermoplastic Elastomer	Black Body/Black Tread	225	PSF100___BK	PSF100___BK-B	Threaded: 637, 634, 741, 748 Grip Ring: 223, 291, 211 Plate: 116, 120
				Grey Body/Dark Grey Tread	225	PSF100___GR	PSF100___GR-B	
125mm	Threaded: 5-7/16" Grip Ring: 5-5/16" Plate: 5-5/8"	4-1/2" Brake: 5-1/8"	Thermoplastic Elastomer	Black Body/Black Tread	225	PSF125___BK	PSF125___BK-B	Threaded: 741, 748 Grip Ring: 291, 211 Plate: 116, 120
				Grey Body/Dark Grey Tread	225	PSF125___GR	PSF125___GR-B	

*To order, include **blue** fastener code in **Base Model Number**. Example: PSF50507BK

Threaded Stem

748 — 1-1/2", UNC13, 1/2"

741 — 1", UNC13, 1/2"

634 — 1", UNC16, 3/8"

637 — 3/4", UNC16, 3/8"

507 — 1", UNC18, 5/16"

Grip Neck

302 — 1-1/2", 5/16"

Grip Ring Stem

211 — 1-7/16", 7/16"

291 — 1-1/4", 7/16"

223 — 7/8", 7/16"

Top Plate

116 — 2-9/16", 2", 1-5/8", 2-3/16", 5/16" bolt

120 — 2-5/8", 1-3/4", 2-3/4 to 3", 3-3/4", 5/16" bolt

101 — 1-1/2", 1", 1", 1-1/2", 3/16" bolt

MRI Only Stems



273 — 1-3/8", Brass Band, 7/16"

202 — 7/8", Brass Band, 7/16"

651 — 3/4", UNC16, 3/8"

Available on 50mm, 60mm, and 75mm models only. To order, add in special **MRI** fastening code plus [**-MR**] to end of model number for swivels, and [**-MRB**] for brake models. Examples: PSF50651GR-**MR** and PSF50651GR-**MRB**.



Threaded Stem



Grip Neck Stem



Grip Ring Stem



Swivel Top Plate

Ultima Nylon



RoHS
Environmentally friendly

Features

- Contemporary design
- Choice of nylon or urethane wheel (see next page for Urethane)
- Riveted axle for positive wheel retention on all except for 50mm and 60mm models for added durability





Applications

- Store Fixtures
- Utility Carts
- Furniture
- Office Equipment
- Medical Equipment

Options

- Brake available for all models.

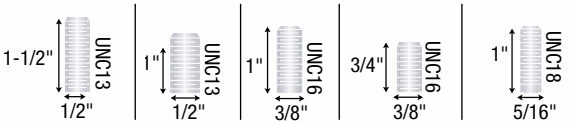


Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
50mm	Stem: **2-1/4"** Plate: **2-3/8"**	**1-13/16"** Brake: **2-3/8"**	Nylon	75	PUT50___BK	PUT50___BK-B	**Threaded:** 507, 637, 634 **Grip Neck:** 302 **Grip Ring:** 223, 211, 273 **Plate:** 101
60mm	Stem: **2-5/8"** Plate: **2-3/4"**	**2-1/16"** Brake: **2-1/2"**	Nylon	100	PUT60___BK	PUT60___BK-B	
75mm	Stem: **3-1/4"** Plate: **3-1/2"**	**2-1/2"** Brake: **3-3/16"**	Nylon	165	PUT75___BK	PUT75___BK-B	**Threaded:** 507, 637, 634, 741, 748 **Grip Neck:** 302 **Grip Ring:** 223, 211, 291 **Plate:** 101, 116, 120
100mm	Thread: **4-3/8"** Grip Ring: **4-5/16"** Plate: **4-5/8"**	**3-5/8"** Brake: **4-1/2"**	Nylon	175	PUT100___BK	PUT100___BK-B	**Threaded:** 637, 634, 741, 748 **Grip Ring:** 223, 291, 211 **Plate:** 116, 120
125mm	Thread: **5-7/16"** Grip Ring: **5-5/16"** Plate: **5-5/8"**	**4-1/2"** Brake: **5-1/8"**	Nylon	180	PUT125___BK	PUT125___BK-B	**Threaded:** 741, 748 **Grip Ring:** 291, 211 **Plate:** 116, 120

*To order, include **blue** fastener code in **Base Model Number**.
Example: PUT50507BK

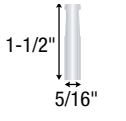
Threaded Stem

748 — 741 — 634 — 637 — 507



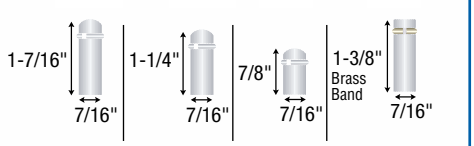
Grip Neck

302



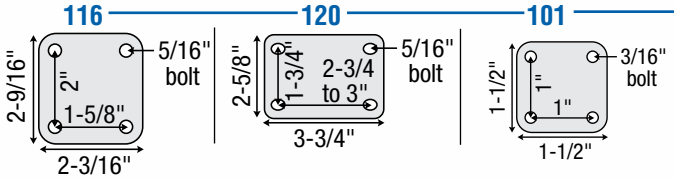
Grip Ring Stem

211 — 291 — 223 — 273



Top Plate

116 — 120 — 101





Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Ultima Urethane

Features

- Contemporary design
- Urethane wheels provide added floor protection (see previous page for Nylon models).
- Riveted axle for positive wheel retention on all urethane models for added durability and caster life

Applications

- Store Fixtures
- Utility Carts
- Furniture
- Office Equipment
- Medical Equipment

Options

- Brake available for all models.

RoHS
Environmentally friendly



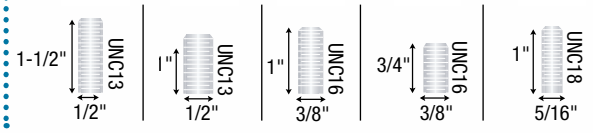


Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
50mm	Stem: **2-1/4"** Plate: **2-3/8"**	**1-13/16"** Brake: **2-3/8"**	Urethane	75	PUT50___BK-U	PUT50___BK-BU	**Threaded:** 507, 637, 634 **Grip Neck:** 302 **Grip Ring:** 223, 211, 273 **Plate:** 101
60mm	Stem: **2-5/8"** Plate: **2-3/4"**	**2-1/16"** Brake: **2-1/2"**	Urethane	100	PUT60___BK-U	PUT60___BK-BU	
75mm	Stem: **3-1/4"** Plate: **3-1/2"**	**2-1/2"** Brake: **3-3/16"**	Urethane	165	PUT75___BK-U	PUT75___BK-BU	**Threaded:** 507, 637, 634, 741, 748 **Grip Neck:** 302 **Grip Ring:** 223, 211, 291 **Plate:** 101, 116, 120
100mm	Thread: **4-3/8"** Grip Ring: **4-5/16"** Plate: **4-5/8"**	**3-5/8"** Brake: **4-1/2"**	Urethane	175	PUT100___BK-U	PUT100___BK-BU	**Threaded:** 637, 634, 741, 748 **Grip Ring:** 223, 291, 211 **Plate:** 116, 120
125mm	Thread: **5-7/16"** Grip Ring: **5-5/16"** Plate: **5-5/8"**	**4-1/2"** Brake: **5-1/8"**	Urethane	180	PUT125___BK-U	PUT125___BK-BU	**Threaded:** 741, 748 **Grip Ring:** 291, 211 **Plate:** 116, 120

*To order, include **blue** fastener code in **Base Model Number**.
Example: PUT50507BK-U

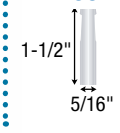
Threaded Stem

748 — 741 — 634 — 637 — 507



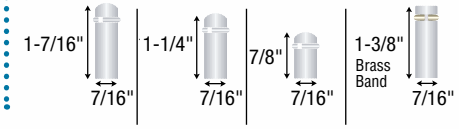
Grip Neck

302



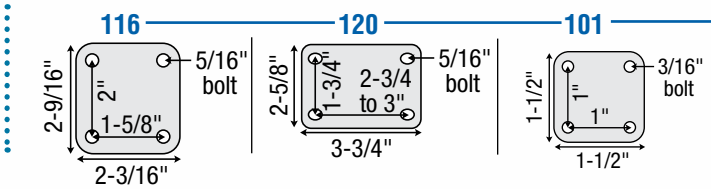
Grip Ring Stem

211 — 291 — 223 — 273



Top Plate

116 — 120 — 101



Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.





Pacer Hooded



Made in the U.S.A.

Features

- Fast deliveries for any order quantity
- Zinc die-cast body and hood
- Concealed axle

Applications

- Store Fixtures
- Seating
- Electronic Equipment
- Office Equipment

Options

- **Brake** available on 50mm nylon tread models only.
- **Urethane Wheel** available for added floor protection; to order, insert [**-U**] at the end of model number. Not available on brake models.
- Unhooded Pilot version available; consult factory.

Finish Selection

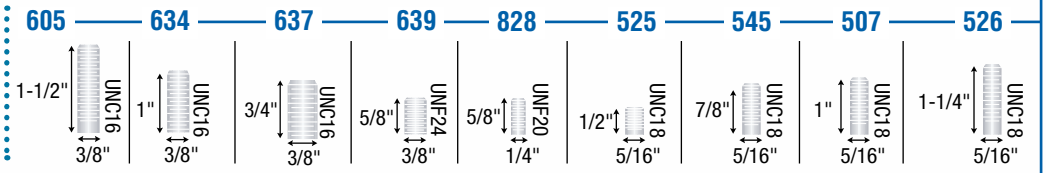


Bright Chrome *Brass Plate* *Flat Black* *Satin Chrome* *Windsor Antique*

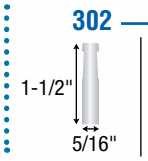
Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Finish Type	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
50mm	Threaded: 2-1/2" Grip Ring/Neck: 2-3/8" Plate: 2-11/16"	1-3/4" Brake: 2-7/16"	Nylon	Bright Chrome	75	PPA50___BC	PPA50___BC-B	Threaded: 507, 525, 605, 634, 637, 639, 828 Grip Neck: 302 Grip Ring: 211, 222, 223 Plate: 101, 113
				Brass Plate	75	PPA50___BR	PPA50___BR-B	
				Flat Black	75	PPA50___FB	PPA50___FB-B	
				Satin Chrome	75	PPA50___SC	PPA50___SC-B	
				Windsor Antique	75	PPA50___WA	PPA50___WA-B	
60mm	Threaded: 2-7/8" Grip Ring/Neck: 2-3/4" Plate: 3-1/16"	2-3/16"	Nylon	Bright Chrome	100	PPA60___BC	–	Threaded: 525, 526, 545, 605, 637, 639 Grip Neck: 302 Grip Ring: 211, 222, 223 Plate: 101, 113
				Brass Plate	100	PPA60___BR	–	
				Flat Black	100	PPA60___FB	–	
				Satin Chrome	100	PPA60___SC	–	
				Windsor Antique	100	PPA60___WA	–	

*To order, include **blue** fastener code in **Base Model Number**. Example: PPA50507BC

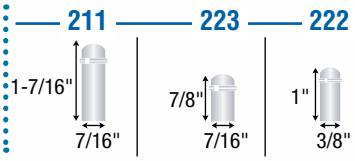
Threaded Stem



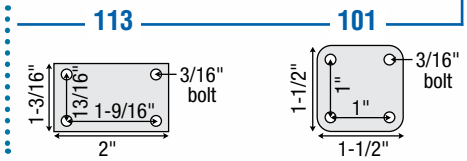
Grip Neck



Grip Ring Stem



Top Plate









Unhooded Pilot version also available. Change **PPA** to **PPB**. Also available in urethane wheels for extra floor protection; add **-U** to end of model number.

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Source II Hooded

Features

- Designed for economical twin wheel mobility solutions
- All nylon construction
- Steel axle and fastening

Applications

- Store Fixtures
- Furniture
- Display Units
- Utility Carts
- Office Equipment
- Medical Equipment

Options

- **Brake** available on all models.





Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Finish Type	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
40mm	Stem: **2"** Plate: **2-1/4"**	**1-11/16"** Brake: **1-15/16"**	Nylon	Black	40	PTW40___BK	PTW40___BK-B	**Threaded:** 637, 507 **Grip Neck:** 302 **Grip Ring:** 223 **Plate:** 101, 113
50mm	Stem: **2-3/8"** Plate: **2-5/8"**	**2"** Brake: **2-7/16"**	Nylon	Black	75	PTW50___BK	PTW50___BK-B	**Threaded:** 637, 507 **Grip Neck:** 302 **Grip Ring:** 223, 222, 211 **Plate:** 101, 113
60mm	Stem: **2-3/4"** Plate: **3"**	**2-1/4"** Brake: **2-7/8"**	Nylon	Black	100	PTW60___BK	PTW60___BK-B	**Threaded:** 637, 507 **Grip Neck:** 302 **Grip Ring:** 223, 211 **Plate:** 101, 113

*To order, include **blue** fastener code in **Base Model Number**. Example: PPA50507BC

Threaded Stem

637 — 3/4", UNC16, 3/8"

507 — 1", UNC18, 5/16"

Grip Neck

302 — 1-1/2", 5/16"

Grip Ring Stem

223 — 7/8", 7/16"

222 — 1", 3/8"

211 — 1-7/16", 7/16"

Top Plate

113 — 1-3/16", 13/16", 1-9/16", 2", 3/16" bolt

101 — 1-1/2", 1", 1", 1-1/2", 3/16" bolt

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.



Threaded Stem



Grip Neck Stem



Grip Ring Stem



Swivel Top Plate



Chair Caster



Features

- Constructed of injection-molded engineering grade nylon
- Nylon tread for carpeting and urethane for hard floors

Applications

- Seating
- Medical Equipment

Options

- 1-1/2" or 1-3/4" pivot boss sizes

Wheel Options



Nylon



Urethane

Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Pivot Boss Diameter (Inches)	Tread Material	Dynamic Load (Pounds)	Model #	Fastening Selection
55mm	2-1/4"	2-9/16"	1-1/2"	Nylon	75	PHT5558BK	Grip Ring: 58
	2-1/8"	2-9/16"	1-3/4"	Nylon	75	PHG5558BK	
	2-1/4"	2-9/16"	1-1/2"	Urethane	75	PHT5558BK-U	
	2-1/8"	2-9/16"	1-3/4"	Urethane	75	PHG5558BK-U	

Pivot boss diameter



58





See page 39 for self braking chair casters. Compression brake chair casters brake when you sit down. Decompression brake models brake when you stand up.



See page 39 for PDT specialty casters.

Genesis TW

Features

- Soft, non-marking MonoTech wheels (65 A durometer)
- MonoTech wheels reject debris and offer smooth, quiet mobility
- Excellent on both carpet and hard floors
- Riveted axle for positive wheel retention
- Caster body acts as an integrated thread guard to prevent entangling debris from binding wheels



Applications

- Audio/Visual Equipment
- Electronic Equipment
- Furniture
- Office Equipment
- Medical Equipment

Options

- **Brake:** Available on all models.
- **Custom colors** available by special order; contact factory for minimums.
- **Additional sizes** coming soon! Please contact factory for additional information.



Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Color	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
65mm"	Stem: 3" / Plate: 3-3/16"	2-5/16" / Brake: 2-5/8"	MonoTech	Grey	110	TGE65___GR-MNT	TGE65___GR-MNTB	**Threaded:** 634, 637, 507 **Grip Neck:** 302 **Grip Ring:** 237, 211, 223 **Plate:** 101
			MonoTech	Black	110	TGE65___BK-MNT	TGE65___BK-MNTB	

*To order, include **blue** fastener code in **Base Model Number**.
Example: TGE65634GR-MNT

Threaded Stem

634 — 1" — UNC16 — 3/8"

637 — 3/4" — UNC16 — 3/8"

507 — 1" — UNC18 — 5/16"

Grip Neck

302 — 1-1/2" — 5/16"

Grip Ring

273 — 1-3/8" — Brass Band — 7/16"

211 — 1-7/16" — 7/16"

223 — 7/8" — 7/16"

Top Plate

101 — 1-1/2" — 1" — 1" — 1-1/2" — 3/16" bolt

Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.


Connects casters to wood


Connects casters to round tubes


Connect casters to PVC pipe legs


Weldable caster mount


Connects casters to square tubes


Corner brackets





Twin-Med Grey



Features

- Undercover protection
- Designed to protects axle/bearing areas from hair/water
- Wheels feature precision ball bearings for quieter smoother operation
- Softer quieter TPR tread design
- Double ball bearing located in the swivel raceway on 4" models
- 5" models feature a sealed precision bearing in the swivel raceway
- Wheels have easy rollability

Applications

- Diagnostic Equipment
- Electronic Equipment
- Patient Aids
- Patient Lifts
- Nursing Home Beds
- Medical Carts

Options

- **Total Lock** models lock both the wheel and swivel
- **Directional Lock** (locks swivel) models are available. Please consult factory.



- **Antistatic** models available; consult factory for details.

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Wheel Bearing	Dynamic Load (Pounds)	Base Model # (Add fastening code)	Total Lock Brake Model # (Add fastening code)	Fastening Selection*
4"	2-39/64"	Stem: **5"** Plate: **5-3/8"**	3-1/8"	TPR	Precision Ball	220	TG-04TPP-281-SW-___	TG-04TPP-281-TL-___	**Threaded:** TS07, TS16, TS18 **Plate:** TP01, TP11
5"	3"	Stem: **6"** Plate: **6-3/8"**	4"	TPR	Precision Ball	246	TG-05TPP-281-SW-___	TG-05TPP-281-TL-___	

*To order, include **blue** fastener code in **Base Model Number**. Example: TG-04TPP-281-SW-TS07

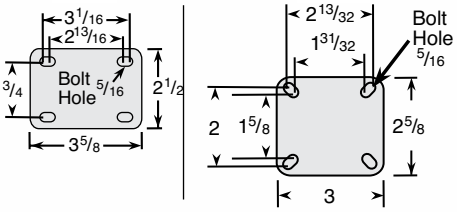
Threaded Stem

TS07 — TS16 — TS18



Plate

TP01 — TP11



Undercover shield for ultimate protection.









GRX High Performance

Features

- High-performance in a sleek stylish design
- Patented dust/grease shield
- Strong polyamide body and brake lever
- 100mm & 125mm models feature precision bearing swivels and wheels for ultimate maneuverability and rollability
- Polyurethane wheels provide excellent floor protection
- Solid riveted axles for added durability

Applications

- Office Furniture
- Industrial Seating
- Audio/Visual Carts
- Store Fixture
- Utility Carts
- Medical Equipment

Options

- **Total Lock Brake:** (locks both swivel and wheels) available on 75mm, 100mm, and 125mm models. Brake lever is integrated into body design for clean lines.
- **Standard Tread Lock Brake:** (locks wheels only) available on 65mm.
- **Additional Fastenings:** Consult factory

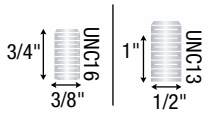


Wheel Diameter (mm)	Mounting Height (Inches)	Swivel Radius (Inches)	Body/Tread Color	Tread Material	Wheel Bearing	Dynamic Load (Pounds)	Brake Type	Base Model # (Add fastening code)	Brake Model # (Add fastening code)	Fastening Selection*
65mm	Thread: 2-7/8" Grip Ring: 2-3/4"	2-5/16"	Black/Grey	Urethane	Plain	110	Tread	RXS65___BK-U	RXS65___BK-BU	Threaded: 637 Grip Ring: 223
			Aluminum/Black	Urethane	Plain	110	Tread	RXS65___AL-U	RXS65___AL-BU	
75mm	Thread: 3-5/16" Grip Ring: 3-3/8"	2-9/16" Brake: 3-5/16"	White/Grey	Urethane	Plain	165	Total Lock	RXS75___WH-U	RXS75___WH-BU	
			Aluminum/Black	Urethane	Plain	165	Total Lock	RXS75___AL-U	RXS75___AL-BU	
			Grey/Grey	Urethane	Plain	165	Total Lock	RXS75___GR-U	RXS75___GR-BU	
			Black/Grey	Urethane	Plain	165	Total Lock	RXS75___BK-U	RXS75___BK-BU	
100mm	Thread: 4-9/16" Grip Ring: 4-3/4"	3-1/2" Brake: 4-3/86"	White/Grey	Urethane	Precision Ball	220	Total Lock	RXS100___WH-U	RXS100___WH-BU	Threaded: 741 Grip Ring: 211
			Aluminum/Black	Urethane	Precision Ball	220	Total Lock	RXS100___AL-U	RXS100___AL-BU	
			Grey/Grey	Urethane	Precision Ball	220	Total Lock	RXS100___GR-U	RXS100___GR-BU	
			Black/Grey	Urethane	Precision Ball	220	Total Lock	RXS100___BK-U	RXS100___BK-BU	
125mm	Thread: 5-5/8" Grip Ring: 5-3/4"	4-5/16" Brake: 5-1/4"	White/Grey	Urethane	Precision Ball	220	Total Lock	RXS125___WH-U	RXS125___WH-BU	
			Aluminum/Black	Urethane	Precision Ball	220	Total Lock	RXS125___AL-U	RXS125___AL-BU	
			Grey/Grey	Urethane	Precision Ball	220	Total Lock	RXS125___GR-U	RXS125___GR-BU	
			Black/Grey	Urethane	Precision Ball	220	Total Lock	RXS125___BK-U	RXS125___BK-BU	

*To order, include **blue** fastener code in **Base Model Number**. Example: RXS65637BK-U

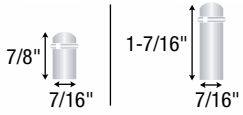
Threaded Stem

637 — 741



Grip Ring

223 — 211



Socket Options

Shepherd has many solutions to help you mount your casters to your equipment quickly and easily. See pages 56-57 for more information.


Connects casters to wood


Connects casters to round tubes

Weldable caster mount


Connect casters to PVC pipe legs


Connect casters to threaded pipes


Connects casters to square tubes


Corner brackets

Finish Options

Black Body / Grey Tread



Grey Body / Grey Tread



White Body / Grey Tread



Aluminum Color Body / Black Tread



Mighty-Mite



Features

- High-strength & heat treated steel for increased durability and caster life
- Dual ball raceways
- RoHS compliant plating for corrosion resistance
- Octagon washer on stem models for easy installation
- NSF approved (less thread guards)

Applications

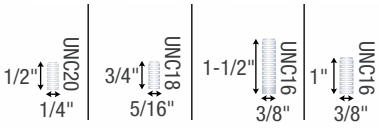
- Store fixtures
- Carts
- Institutional Equipment
- Food Service Equipment
- Furniture
- Janitorial Equipment
- Office Equipment

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Type	Caster Finish	Dynamic Load (Pounds)	Base Model Number (Add fastening code)	Fastening Selection*
1-5/8"	11/16"	2-5/16"	1-5/8"	Soft Rubber	Zinc Plated	70	PRE16___TZ-3R	**Threaded: 605** **Swivel Plate: 113**
				Soft Rubber	Black Oxide	70	PRE16___BO-3R	**Threaded: 634**
				Polyolefin	Zinc Plated	75	PRE16___TZ-3E	**Threaded: 532, 844**
				Polyolefin	Black Oxide	75	PRE16___BO-3E	**Threaded: 532, 844** **Grip Neck: 302**
				Polyolefin	Copper Oxide	75	PRE16___CO-3E	**Grip Neck: 302** **Swivel Plate: 113**

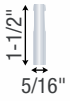


*To order, include **blue** fastener code in **Base Model Number**. Example: PRE16605ZN-3R

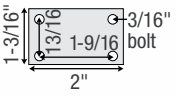
Threaded Stem 844 — 532 — 605 — 634



Grip Neck 302

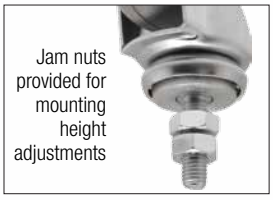


Top Plate 113



Glass Handling Caster





Features

- Specially designed raceway system protects against debris
- Soft non-marking neo-prene rubber wheels
- Ball bearing wheels for added rollability
- Zinc plated for corrosion resistance

Applications

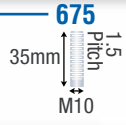
- Glass Industry
- Plant Operation
- Conveyer Systems
- Material Handling

Options

- **Fastening Selections:** Additional options available upon request (minimums may apply).

Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Wheel Bearing	Dynamic Load (Pounds)	Base Model #	Fastening Selection
2"	15/16"	2-15/16"	1-13 /16"	Neoprene	Ball	75	PGN20675ZN-NPR21(GG)	**Threaded: 675**

675



Ladder Caster

Features

- Long stem made especially for rolling ladders (does not include spring)
- Zinc finish
- Dual ball bearing raceways
- Soft rubber wheels (75 Shore A)

Applications

- Rolling Ladders

Fastening Specs

- Overall Stem Length: 4-13/16"
- Thread Diameter: 5/16"
- Thread Length: 5/8"



Wheel Diameter (Inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Wheel Bearing	Dynamic Load (Pounds)	Base Model #
2"	13/16"	2-1/2"	1-13/16"	Soft Rubber	Plain	80	PLD20820ZN-3R
3"	13/16"	3-11/16"	2-3/8"	Soft Rubber	Plain	110	PLD30820ZN-3R

PDT Casters

Features

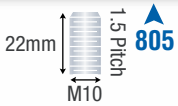
- Total Lock lever integrated into body
- Sleek, all plastic body
- Matching thread guards
- Polyurethane tread

Applications

- Electronic Equipment
- Seating
- Medical Equipment



Wheel Diameter (inches)	Tread Width (Inches)	Mounting Height (Inches)	Swivel Radius (Inches)	Finish	Dynamic Load (Pounds)	Model #	Fastening Selection
3"	1"	4-3/4"	2-11/16"	Silver	75	PDT30805SV-TPU01(KK)	**Threaded: 805**



Self-Braking Chair Casters

Features

- Choice of models that automatically brake with or without weight
- Constructed of injection-molded engineering grade nylon
- Urethane tread

Applications

- Seating
- Medical Equipment

Options

- **Braking:** Model PSC50223BK-U brakes when weight is applied. Model PSD50223BK-U brakes without weight, rolls when weight is applied.

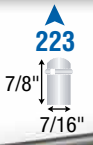


Wheel Diameter (mm)	Braking Type	Mounting Height (Inches)	Swivel Radius (Inches)	Tread Material	Dynamic Load (Pounds)	Model #	Fastening Selection
50mm	Compression brake	2-7/16" - 2-1/2"	2-1/16"	Urethane	75	PSC50223BK-U	**Grip Ring: 223**
	Decompression brake	2-3/8" - 2-7/16"	2-1/16"	Urethane	75	PSD50223BK-U	

12-15 lbs to activate brakes below.

Compression brake models brake when you sit down.

Decompression brake models brake when you stand up.



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



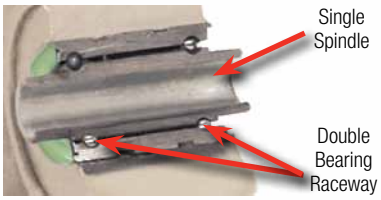
Standard Zinc plated



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

Continued from previous page

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
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











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 zerk 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



	Mold-on Rubber	Thermo-Rubber Flat	Thermo-Rubber Donut	PolyKat™ Thermo-Urethane	Thermo-Urethane (red on black)	Thermo-Urethane (maroon on grey)	Mold-on Urethane	Polypropylene	Phenolic	Cast Iron
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.



Total Lock Integrated into swivel fork.

Wheel Face (WFB) Not compatible with 4" and 5" rigid models.

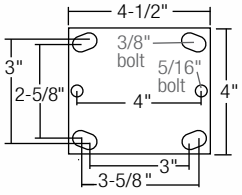
Tread Lock Brake (TBK)

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.*

Top Plate Dimensions





E-Line continues next page



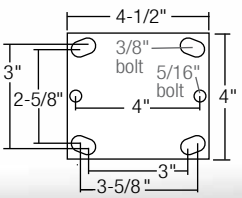

Pemco E-Line

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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"	Precision Ball	ES4X2PKTP8	ER4X2PKTP8	ET4X2PKTP8	N/A	(+) WFB, TBK
		Thermo-Urethane (Red/Black)	500	5-5/8"	**Brakes**	Roller	ES4X2TPU	ER4X2TPU	ET4X2TPU	(+) B, D	(+) WFB, TBK, CAMS
		Thermo-Urethane (Maroon/Grey)	500	5-5/8"	Total Lock 5-7/16"	Roller	ES4X2TUM	ER4X2TUM	ET4X2TUM	(+) B, D	
		Mold-on Poly	800	5-5/8"	Wheel Face 6-13/32"	Roller	ES4X2MOP	ER4X2MOP	ET4X2MOP	(+) B	
		Mold-on Rubber	400	5-5/8"	Tread Lock 3-5/8"	Roller	ES4X2MOR	ER4X2MOR	ET4X2MOR	(+) B	
		Thermo-Rubber (Flat)	300	5-5/8"	Cam Short 4-23/32"	Roller	ES4X2TPR	ER4X2TPR	ET4X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	300	5-5/8"	Cam Long Not Available	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"	Precision Ball	ES5X2PKTP8	ER5X2PKTP8	ET5X2PKTP8	N/A	(+) WFB, TBK
		Thermo-Urethane (Red/Black)	600	6-1/2"	**Brakes**	Roller	ES5X2TPU	ER5X2TPU	ET5X2TPU	(+) B, D	(+) WFB, TBK, CAMS, CAML
		Thermo-Urethane (Maroon/Grey)	600	6-1/2"	Total Lock 5-13/16"	Roller	ES5X2TUM	ER5X2TUM	ET5X2TUM	(+) B, D	
		Mold-on Poly	1100*	6-1/2"	Wheel Face 7-1/32"	Roller	ES5X2MOP	ER5X2MOP	ET5X2MOP	(+) B	
		Mold-on Rubber	400	6-1/2"	Tread Lock 4"	Roller	ES5X2MOR	ER5X2MOR	ET5X2MOR	(+) B	
		Thermo-Rubber (Flat)	350	6-1/2"	Cam Short 5"	Roller	ES5X2TPR	ER5X2TPR	ET5X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	350	6-1/2"	Cam Long 6"	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"	Precision Ball	ES6X2PKTP8	ER6X2PKTP8	ET6X2PKTP8	N/A	(+) WFB, TBK
		Thermo-Urethane (Red/Black)	720	7-1/2"	**Brakes**	Roller	ES6X2TPU	ER6X2TPU	ET6X2TPU	(+) B, D	(+) WFB, TBK, CAMS, CAML
		Thermo-Urethane (Maroon/Grey)	720	7-1/2"	Total Lock 6"	Roller	ES6X2TUM	ER6X2TUM	ET6X2TUM	(+) B, D	
		Mold-on Poly	1200*	7-1/2"	Wheel Face 7-21/32"	Roller	ES6X2MOP	ER6X2MOP	ET6X2MOP	(+) B	
		Mold-on Rubber	550	7-1/2"	Tread Lock 4-3/4"	Roller	ES6X2MOR	ER6X2MOR	ET6X2MOR	(+) B	
		Thermo-Rubber (Flat)	500	7-1/2"	Cam Short 5-1/8"	Roller	ES6X2TPR	ER6X2TPR	ET6X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	500	7-1/2"	Cam Long 6-5/32"	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"	Precision Ball	ES8X2PKTP8	ER8X2PKTP8	ET8X2PKTP8	N/A	(+) WFB, TBK
		Thermo-Urethane (Red/Black)	800	9-1/2"	**Brakes**	Roller	ES8X2TPU	ER8X2TPU	ET8X2TPU	(+) B, D	(+) WFB, TBK, CAMS, CAML
		Thermo-Urethane (Maroon/Grey)	800	9-1/2"	Total Lock 6-3/8"	Roller	ES8X2TUM	ER8X2TUM	ET8X2TUM	(+) B, D	
		Mold-on Poly	1250*	9-1/2"	Wheel Face 9-1/16"	Roller	ES8X2MOP	ER8X2MOP	ET8X2MOP	(+) B	
		Mold-on Rubber	600	9-1/2"	Tread Lock 6-1/4"	Roller	ES8X2MOR	ER8X2MOR	ET8X2MOR	(+) B	
		Thermo-Rubber (Flat)	600	9-1/2"	Cam Short 6-1/4"	Roller	ES8X2TPR	ER8X2TPR	ET8X2TPR	(+) B, D	
		Thermo-Rubber (Donut)	600	9-1/2"	Cam Long 6-5/8"	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*

Top Plate Dimensions





Rubber swivel seal keeps dirt out and lube in for longer caster life. Add **RS** after ES. Example: ES**RS**4X2MOR

Bearing Options



Roller Standard



Precision Ball (**+B**)



Delrin® (**+D**)

Nomenclature

With thousands of options, casters can be difficult to specify. Please contact the professionals for fast help at www.shepherdcasters.com or call us at 1-800-253-0868.



Example model number shown (PGS50120ZN-TPR33(GG) TB is an institutional caster (**PGS**). The wheel diameter is 5" (**50**). The fastening is a swivel top plate (**120**). The caster fork finish is zinc (**ZN**). The wheel is a TPR (**TPR**) with a precision bearing and full thread guard (**33**). The color of the tread is grey and the wheel core is grey (**GG**). The caster has an optional tread lock brake (**TB**).

PGS 50 120 ZN- TPR 33 (GG) TB

Wheel Diameter
All series except twin wheels are 2 digits and are in inches, ie 30=3". Some twin wheels extend to 3 digits ie 100=100mm

Fastening
See pages 59-67 for a listing of all fastenings

Finish
ZN-Zinc
TZ-ROHS compliant Zinc
BO-Black Oxide
BK-Black
BB-Bright Brass
BC-Bright Chrome
WA-Windsor Antique
SC Satin Chrome

Wheel
Single wheel casters only
See pages 92-100 for a listing of all wheel types, some lighter duty casters have a 2 digit code.

Bearing/Thread Guard
01- plain bore, no thread guard
11- Delrin, no thread guard
21- Two pc ball bearing, no thread guard
22- two piece ball bearing, partial wheel thread guard
33- Precision bearing, full thread guard
51- roller bearing, no thread guard
81- sealed roller bearing, no thread guard

Wheel Color
Tread Color and Core color, see individual product sections for wheel color options

Options
Will include brake options and other non-standard options. In Twin wheels will also include tread options such as urethane (-U). See individual product sections for details.

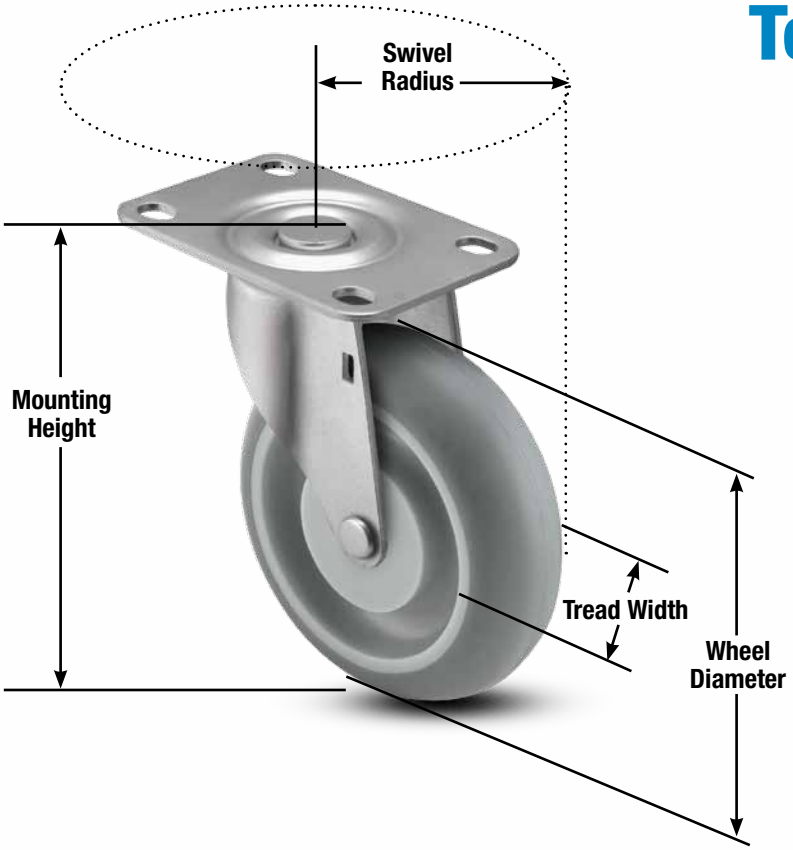
Caster Code

Code	Description
PRE	Regent-Swivel
PRI	Regent-Rigid
PMN	Monarch
PGR	Institutional Rigid
PGS	Institutional Swivel
PGT	Institutional Total Lock
PRQ	General Duty Rigid
PSQ	General Duty Swivel
COO	Low Profile Low Profile
BLS	Low Profile Swivel
BLM	Low Profile Swivel
BLR	Low Profile Rigid
BLR	Low Profile Rigid
BDS	BDS Swivel
BDR	BDR Swivel
POM	Omega
PRS	RS Series
PRT	RT Total Lock Series
PEC	Eclipse

Code	Description
PGE	Genesis
PCM	Ball Casters Cosmo
PSE	Ball Casters Satellite
PSN	Ball Casters Saturn
PST	Ball Casters Starlet
PPL	Ball Casters Planet
PBH	Baron
PSF	SoftTech Series
PUT	Ultima Series
PPA	Pacer Series
PTW	Source II
PSC	Specialty Chair Casters
PSD	Specialty Chair Casters
TGE	Genesis Dual
RXS	GRX High Performance
PLD	Ladder Caster
PGN	Glass Handling Casters
PDT	PDT Caster

Terms & Definitions

Caster Terms



Swivel Radius – The distance from the center of the fastening to the outer most point of the caster. This specifies the minimum clearance required for a mounted caster to swivel 360 degrees.

Wheel Diameter – The vertical measurement from the bottom to the top of the wheel (wheel diameter also commonly refers to the size of the caster). Generally, the larger the wheel diameter, the easier it will roll.

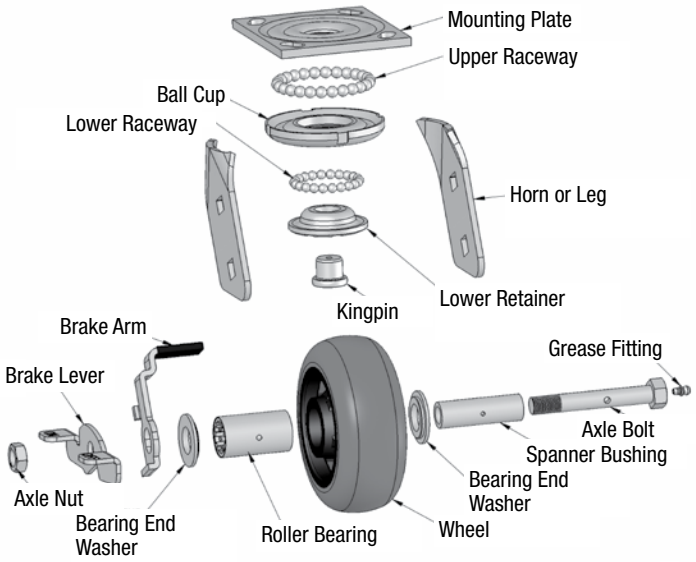
Mounting Height – The total distance the caster raises the unit off the floor when assembled. It is ideally the measurement from the bottom of the wheel to the top of the fastening (does not include stem within the unit).

Dynamic Load – The calculated load a caster has been designed to support while in use. This dynamic calculation is determined by static load, durability and impact factors—and is assigned on a per caster basis. To determine the load required based on the number of casters on the unit, divide the fully loaded product weight by the number of casters.

Other Important Selection Considerations:

- **Load capacity:** divide the fully loaded product weight by the number of casters to determine the dynamic load rating required per caster.
- **Floor conditions:** hard treads usually provide greater capacity, but are louder and can damage some floors. Soft treads are quieter, more floor protective, more shock absorbing, and roll more easily over obstructions.
- **Rollability:** the right bearing and wheel material can make a big difference. Precision ball bearings reduce the effort needed to initiate and sustain rolling—while larger diameter, crowned and hard tread wheels also generally help with improved rollability.
- **Brakes:** a host of brake options are available, some designed for economic solutions (Side and Friction), others for a positive locking wheel brake (Tread Locks and Top Locks), and others to ensure safety by positively locking both wheel and swivel (Total Locks).
- **Mounting methods:** many considerations come into selecting the right fastening method. With hundreds of options available, we have the experience to ensure you utilize the proper method.
- **Maintenance considerations:** various bearing types are available to provide maintenance free operation.
- **Unusual conditions:** are frequent washings, salt water, high heat, or non-magnetic requirements present? We have you covered if so.

Caster Assembly Parts

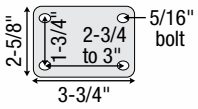


Institutional Caster Components

Top Plate Rigs

All axles are 3/8" diameter

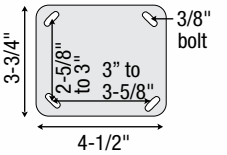
120





For Wheel Dia.	Mounting Height	Part Number
Total Lock		
3"	4-1/4"	70350
3-1/2"	4-3/4"	70360
4"	5-1/4"	70370
5"	6-1/4"	70380
6"	7-1/4"	70287
Direction Lock		
5"	6-1/4"	70481
Swivel Plate		
3"	4-1/4"	70300
3-1/2"	4-3/4"	70310
4"	5-1/4"	70320
5"	6-1/4"	70330
6"	7-1/4"	70237
Rigid Plate		
3"	4-1/4"	70401
3-1/2"	4-3/4"	70411
4"	5-1/4"	70421
5"	6-1/4"	70431
6"	7-1/4"	70240

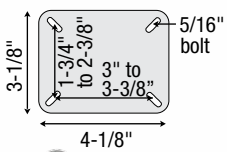
149





Swivel Plate		
3"	4-1/4"	70301
3-1/2"	4-3/4"	70311
4"	5-1/4"	70321
5"	6-1/4"	70331
Rigid Plate		
3"	4-1/4"	70402
3-1/2"	4-3/4"	70412
4"	5-1/4"	70422
5"	6-1/4"	70432

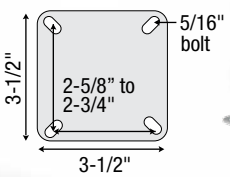
162





Swivel Plate		
3"	4-1/4"	70302
3-1/2"	4-3/4"	70312
4"	5-1/4"	70322
5"	6-1/4"	70332
Rigid Plate		
3"	4-1/4"	70403
3-1/2"	4-3/4"	70413
4"	5-1/4"	70423
5"	6-1/4"	70433

195



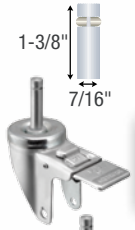
Swivel Plate		
5"	6-1/4"	70333
Rigid Plate		
5"	6-1/4"	70434



Grip Ring Stem Rigs

273

Brass Band



For Wheel Dia.	Mounting Height	Part Number
Total Lock		
3"	4-1/8"	70354
3-1/2"	4-5/8"	70364
4"	5-1/8"	70374
5"	6-1/8"	70385
Swivel		
3"	4-1/8"	70304
3-1/2"	4-5/8"	70314
4"	5-1/8"	70324
5"	6-1/8"	70335
6"	7-1/8"	70239

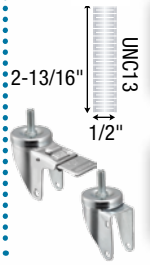
291



Total Lock		
3"	4-1/8"	70353
3-1/2"	4-5/8"	70363
4"	5-1/8"	70373
5"	6-1/8"	70384
Swivel		
3"	4-1/8"	70303
3-1/2"	4-5/8"	70313
4"	5-1/8"	70323
5"	6-1/8"	70334

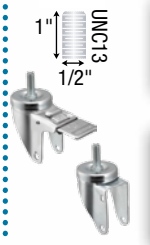
Threaded Stem Rigs

705



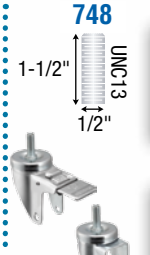
Total Lock		
3"	4-1/8"	70356
3-1/2"	4-5/8"	70366
4"	5-1/8"	70376
5"	6-1/8"	70388
Swivel		
3"	4-1/8"	70306
3-1/2"	4-5/8"	70316
4"	5-1/8"	70326
5"	6-1/8"	70338

741



Total Lock		
3"	4-1/8"	70357
3-1/2"	4-5/8"	70367
4"	5-1/8"	70377
5"	6-1/8"	70389
Swivel		
3"	4-1/8"	70307
3-1/2"	4-5/8"	70317
4"	5-1/8"	70327
5"	6-1/8"	70339
6"	7-1/8"	70236

748



Total Lock		
3"	4-1/8"	70358
3-1/2"	4-5/8"	70368
4"	5-1/8"	70378
5"	6-1/8"	70390
6"	7-1/8"	70288
Swivel		
3"	4-1/8"	70308
3-1/2"	4-5/8"	70318
4"	5-1/8"	70328
5"	6-1/8"	70340
6"	7-1/8"	70242

Hollow Kingpin Rigs

400

Accepts 1/2" diameter bolts. 3/8" reducer bushing also available; order part# 009117 in addition to caster.



For Wheel Dia.	Mounting Height	Part Number
Total Lock		
3"	4-1/8"	70355
3-1/2"	4-5/8"	70365
4"	5-1/8"	70375
5"	6-1/8"	70387
6"	7-1/8"	70289
Swivel		
3"	4-1/8"	70305
3-1/2"	4-5/8"	70315
4"	5-1/8"	70325
5"	6-1/8"	70337
6"	7-1/8"	009042

Expanding Adapter Stem Rigs



Requires ordering 705 theaded stem at left and then specify adapter code from chart at right.

Fits Round Tube

Tubing ID Range	Code	Kit#
3/4"-13/16"	440	008140
7/8"-15/16"	441	008141
1" - 1-1/16"	442	008142
1-1/8" - 1-3/16"	443	008143
1-1/4" - 1-5/16"	444	008144
1-3/8" - 1-7/16"	445	008145
1-1/2" - 1-9/16"	446	008146
1-5/8"-1-11/16"	447	008147

Fits Square Tube

Tubing ID Range	Code	Kit#
7/8"-15/16"	451	008151
1" - 1-1/16"	452	008152
1-1/8" - 1-3/16"	453	008153
1-1/4" - 1-5/16"	454	008154
1-3/8" - 1-7/16"	455	008155

Tread Lock Brake Arm



3"	70501
3-1/2"	70502
4"	70503
5"	70504
6"	009145
6"*	009182

*Tread Lock Brake Arm (No-Matic)

Tread Lock Brake Lever



Fits All Models	70506

Tread Lock Brake Axle

Fits All Models	009494

Top Lock Brake



3"	70510
3-1/2"	70511
4"	70512
5"	70513

Top Lock Axle Bolt

Fits All Models	009493

Note: You cannot specify 162 plate or 149 plate with top lock brakes.

Swivel/Rigid/ Total Lock Axle Bolt

Fits All Models	009143

Axle Nut

Fits All Models	615723

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



PKT TPU TUM MOP MOR TPR TPD PHN POD CIR

Wheel Dia.	Tread Width	Wheel Type	Load Capac-ity (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.*

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 all E-Line sizes.



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)



AXLEZRKEX2
Axle (Zerk)
1/2-13x3.37



AXLENUTEX2
Nut
1/2-13



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



Retaining Washer (Plastic)
WHLCAPPLEX2



Retaining Washer (Steel)
WHLCAPSTEX2



Roller bearing
¾ I.D. (Use With Bushing For ½ I.D.)
BRGCROLLEX2



Pedestal precision bearing
BRGPBALLEX2



Flanged Delrin bearing
¾ I.D. (Use With Bushing For ½ I.D.)
BRGDELRNEX2

4 Position Swivel Lock

Lock and unlock swivel for easy tracking down hallways



SWVLOCKX2

Raceway Seals

Upper and Lower seals (Sold as set). Not available for Total Lock models.



RCWYSEALEX2

Wheel Selection Guide

Polyolefin Wheels



Page 49

Soft & Hard Rubber Wheels



Page 50

Thermoplastic Rubber (TPR) Wheels



Page 51

MonoTech Wheels



Page 52

Pneumatic/ No-Matic Wheels



Page 53

Thermoplastic (TPU) Polyurethane Wheels



Page 54

Vipor Wheels



Page 55

Solid Urethane & Nylon Wheels



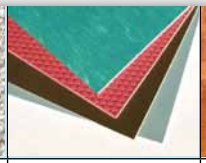
Page 55

E-Line Wheels



Page 47

Wheel Application Guide

					
Wheel Type	**Carpet**	**Linoleum**	**Wood**	**Concrete**	**Tile**
MonoTech	Good	Excellent	Excellent	Excellent	Excellent
Thermoplastic Rubber (TPR)	Good	Good	Good	Good	Good
Polyurethane (TPU)	Good	Good	Good	Excellent	Excellent
Soft Rubber**	Good	Good	Good	Good	Good
Hard Rubber**	Good			Good	
Polyolefin	Good			Good	Good
Vipor	Excellent	Good	Good	Excellent	Good
Pneumatic**	Good	Good	Good	Good	Good
No-Matic**	Good	Good	Good	Good	Good
Phenolic	Good			Good	
Glass Filled Nylon	Good			Good	
Cast Iron				Good	

*Always consult your flooring manufacturer to determine the best wheel materials for your floor prior to use.

**Some industrial rubber wheels may leave rubber residue on certain floor types, test prior to use.

Polyolefin Wheels



Features

- The most economical hard tread wheel solution
- Non-marking and resistant to frequent wash-downs, oil, grease, cleaning solutions, and most chemicals
- High-impact strength in a lightweight injection molded construction
- Other wheel options available; please consult factory for details
- **Temperature Range:** -20° to 180° F

Polyolefin (Popular on Regent, Monarch, Institutional Series and E-Line Series)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Hub Length (Inches)	Axle Size (Inches)	Color Tread/ Core	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
1-1/4"	17/32"	Plain	.63"	3/16"	Black	70D	75	007114
1-5/8"	11/16"	Plain	.77"	7/32"	Black	70D	80	006971
2"	13/16"	Plain	.90"	1/4"	Black	70D	100	006972
2-1/2"	13/16"	Plain	.92"	1/4"	Black	70D	120	007213
3"	13/16"	Plain	.99"	1/4"	Black	70D	125	007386
	1-1/4"	Plain	1.56"	3/8"	Black	70D	270	005100
4"	15/16"	Plain	1.15"	5/16"	Black	70D	150	004101
	1-1/4"	Plain	1.56"	3/8"	Black	70D	275	005102
	2"	Plain	2.375"	1-3/16" bore[1]	Black	70D	500	WH4X2POD19
5"	15/16"	Plain	1.15"	5/16"	Black	70D	150	007310
	1-1/4"	Plain	1.56"	3/8"	Black	70D	300	005103
	2"	Plain	2.375"	1-3/16" bore[1]	Black	70D	600	WH5X2POD19
6"	2"	Plain	2.375"	1-3/16" bore[1]	Black	70D	600	WH6X2POD19
8"	2"	Plain	2.375"	1-3/16" bore[1]	Black	70D	900	WH8X2POD19

[1]Requires bearing and spanner to utilize 1/2" axle.



2" Regent/ Monarch



2" Low Profile 00



2-1/2" Low Profile BLS/BLM

Solid Wall Polyolefin (Popular on Regent, Monarch, Low Profile 00 and Low Profile BLS/BLM Series)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Hub Length (Inches)	Axle Size (Inches)	Color Tread/ Core	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
2"	3/4"	Plain	.90"	1/4"	Black	70D	100	007956
	3/4"	Plain	.921"	5/16"	Black	70D	100	618712
	1-13/16"	Plain	1.85"	5/16"	Black	70D	300	618901
2-1/2"	1-3/4"	Roller	1.94"	3/8"[2]	Black	70D	400	618820

[2]Requires spanner #009292 to utilize 3/8" axle.



2" Spherical: Baron Series

Spherical Polyolefin (Popular on Baron Series)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Hub Length (Inches)	Axle Size (Inches)	Color Tread/ Core	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
2"	–	Plain	1.98"	1/4"	Black	70D	100	006520

Popular Polyolefin Caster Series



E-Line
Pages 42-43



Institutional
Pages 10-12



Regent
Pages 6-8



Low Profile 00
Page 14



Baron
Page 26

Soft and Hard Rubber Tread Wheels



Features

- Soft rubber wheels combine a soft tread on a hard rubber core–offering quiet movement, a cushioned ride, and added floor protection
- Hard rubber wheels provide higher load capacities and impact resistance
- Resistant to most chemicals and oils
- **Temperature Range:** -40° to 160° F

Soft Rubber (Popular on Regent, Monarch and Institutional Series)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Hub Length (Inches)	Axle Size (Inches)	Wheel Color	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
1-5/8"	23/32"	Plain	.77"	7/32"	Black	75A	70	006371
2"	13/16"	Plain	.92"	1/4"	Black	75A	80	006102
	13/16"	Plain	.92"	5/16"	Dark Grey	75A	80	618711
2-1/2"	13/16"	Plain	.92"	1/4"	Black	75A	90	006742
3"	13/16"	Plain	.99"	1/4"	Black	75A	110	007385
	1-1/4"	Plain	1.56"	3/8" [1]	Black	75A	150	615493
3-1/2"	1-1/4"	Plain	1.56"	3/8" [1]	Black	75A	150	615121
4"	15/16"	Plain	1.15"	5/16"	Black	75A	125	007272
	1-1/4"	Plain	1.56"	3/8" [1]	Black	75A	165	615514
5"	15/16"	Plain	1.15"	5/16"	Black	75A	130	007312
	1-1/4"	Plain	1.56"	3/8" [1]	Black	75A	200	615519

[1]Requires spanner# 612240 to utilize 3/8" axle, order separately with wheel.

Hard Rubber (Popular on Regent, Monarch and Institutional Series)

2"	13/16"	Plain	.92"	1/4"	Black	80D	100	006646
	13/16"	Plain	.92"	5/16"	Loden Grey	80D	100	618710
2-1/2"	13/16"	Plain	.92"	1/4"	Black	80D	110	006744
3"	13/16"	Plain	.99"	1/4"	Black	80D	120	007380
	1-1/4"	Plain	1.56"	3/8" [1]	Black	80D	210	615487
3-1/2"	1-1/4"	Plain	1.56"	3/8" [1]	Black	80D	250	615120
4"	15/16"	Plain	1.15"	5/16"	Black	80D	150	007271
	1-1/4"	Plain	1.56"	3/8" [1]	Black	80D	255	615513
5"	15/16"	Plain	1.15"	5/16"	Black	80D	150	007311
	1-1/4"	Plain	1.56"	3/8" [1]	Black	80D	280	615516

[1]Requires spanner# 612240 to utilize 3/8" axle, order separately with wheel.

Spherical Soft Rubber (Popular on Baron Series)



1-5/8" Spherical: Baron Series

Wheel Diameter (Inches)	Bearing	Hub Length (Inches)	Axle Size (Inches)	Wheel Color	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
1-5/8"	Plain	1.52"	7/32"	Black	75A	75	006522

Popular Rubber Tread Caster Series



Institutional Hard and Soft Rubber
Pages 10-12



Regent Hard and Soft Rubber
Pages 6-8



Low Profile 00 Hard and Soft Rubber
Page 14



Baron Soft Rubber
Page 26

Thermoplastic Rubber (TPR) Wheels

TPR (Popular on Regent, Monarch and Institutional Series)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/Core Color	Thread Guard	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
2"	13/16"	Plain	Grey/Black	None	0.9"	1/4"	40D	80	007962
	13/16"	Plain	Grey/Black	None	0.92"	5/16"	40D	80	618713
2-1/2"	13/16"	Plain	Grey/Black	None	0.9"	1/4"	40D	90	007964
3"	13/16"	Plain	Grey/Black	None	0.99"	1/4"	40D	125	008063
	1-1/4"	Delrin	Grey/Grey	None	1.5"	3/8"	85A	210	009014
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	85A	210	008412
3-1/2"	1-1/4"	Delrin	Grey/Grey	None	1.5"	3/8"	85A	250	009197
	1-1/4"	Ball	Grey/Grey	Partial	1.625"	3/8"	85A	250	009198
4"	15/16"	Plain	Grey/Black	None	1.15"	5/16"	75A	125	008064
	1-1/4"	Delrin	Grey/Grey	None	1.5"	3/8"	85A	260	009018
	1-1/4"	Precision Ball	Grey/Grey	Partial	1.6"	3/8"	85A	260	008424M
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	85A	260	008415M
5"	15/16"	Plain	Grey/Black	None	1.15"	5/16"	75A	150	008065
	1-1/4"	Delrin	Grey/Grey	None	1.5"	3/8"	85A	280	009022
	1-1/4"	Precision Ball	Grey/Grey	Partial	1.6"	3/8"	85A	280	008427M
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	85A	280	008418M
6"	1-1/4"	Precision Ball	Grey/Grey	Partial	1.6"	3/8"	85A	300	008430M
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	85A	300	008421M



Features

- A better alternative to standard rubber wheels
- Non-marking and floor protective
- Tread is chemically bonded to the core
- Resistant to chemicals and oils, and ideal for wash down applications
- Can be manufactured in a variety of special colors; consult factory for minimums and details
- **Temperature Range:** -40° to 180° F

See page 47 for E-Line flat and donut wheel models





Institutional TPR
Pages 10-12



Regent TPR
Pages 6-8

MonoTech Wheels



Features

- Provides ultimate floor protection and a quiet, cushioned ride
- Rolls over obstacles with ease
- Will not flat spot and is excellent on any floor type
- Rejects floor debris, including metal shavings and glass
- Donut tread wheels provide easier rollability and maneuverability
- **Temperature Range:** -45° to 180° F



Precision bearing model



Plain bearing model

MonoTech Light Duty (Popular on Regent and Monarch)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread Shape	Thread Guard	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
3"	13/16"	Plain	Donut	None	1.01"	1/4"	65A	120	009001
4"	15/16"	Plain	Donut	None	1.18"	5/16"	65A	150	009003
5"	15/16"	Plain	Donut	None	1.18"	5/16"	65A	160	007315
	15/16"	Precision Ball	Donut	Full	1.18"	5/16"	65A	160	007320



MonoTech Flat (Popular on Institutional)

3-1/2"	1-1/4"	Precision Ball	Flat	Partial	1-5/8"	3/8"	65A	250	009916
	1-1/4"	Delrin	Flat	None	1-1/2" [1]	3/8"	65A	250	009913
4"	1-1/4"	Precision Ball	Flat	Partial	1-5/8"	3/8"	65A	300	009917
	1-1/4"	Delrin	Flat	None	1-1/2" [1]	3/8"	65A	300	009914
5"	1-1/4"	Precision Ball	Flat	Partial	1-5/8"	3/8"	65A	325	009918
	1-1/4"	Delrin	Flat	None	1-1/2" [1]	3/8"	65A	325	009915

[1]Requires spanner# 612240 to utilize 3/8" axle, order separately with wheel.



MonoTech Donut (Popular on Institutional)

4"	1-1/4"	Precision Ball	Donut	Partial	1-5/8"	3/8"	65A	250	009919
	1-1/4"	Delrin	Donut	None	1-1/2" [1]	3/8"	65A	250	009907
5"	1-1/4"	Precision Ball	Donut	Partial	1-5/8"	3/8"	65A	300	009908
	1-1/4"	Delrin	Donut	None	1-1/2" [1]	3/8"	65A	300	009901
6"	1-1/4"	Precision Ball	Donut	Partial	1-5/8"	3/8"	65A	325	009904
	1-1/4"	Delrin	Donut	None	1-1/2" [1]	3/8"	65A	325	009903

[1]Requires spanner# 612240 to utilize 3/8" axle, order separately with wheel.

Popular MonoTech Caster Series

Institutional MonoTech
Pages 10-12



Regent MonoTech
Pages 6-8



Regent MonoTech
Pages 6-8



Pneumatic and No-Matic Wheels



Pneumatic (Popular on Institutional)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/ Core Color	Hub Length (Inches)	Axle Size (Inches)	Tire Pressure	Dynamic Load (Pounds)	Part Number
6"	1-1/4"	Ball Bearing	Black/Grey	1.57"	3/8"	90PSI	150	006006

Pneumatic Features

- Shock absorbing to reduce vibration to protect equipment and cargo
- Smooth ride indoors or outdoors
- Will roll over obstacles, thresholds, and uneven surfaces with ease
- Durable polypropylene core
- 90 PSI



No-Matic (3" Regent/Monarch/6" Institutional)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/ Core Color	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
3"	13/16"	Plain	Black/Grey	.99"	1/4"	70A	150	010283
6"	1-1/4"	Ball Bearing	Black/Grey	1.57"	3/8"	70A	150	009922
	1-1/4"	Ball Bearing	Grey/Grey	1.57"	3/8"	70A	150	009923

No-Matic Features

- A pneumatic look and feel without the maintenance and risk of flat tires
- Available in a non-marking grey tire
- Shock absorbing and will roll over obstacles, thresholds, and uneven surfaces with ease
- Durable polypropylene core

Popular Pneumatic and No-Matic Caster Series

Institutional Pneumatic
Pages 10-12



Institutional No-Matic
Pages 10-12



Regent No-Matic 3"
Pages 6-8



Thermoplastic Urethane (TPU)



Features

- Consists of a high-grade urethane tread mechanically interlocked to a polyolefin core
- Urethane offers extended wear and excellent floor protection
- Highly resistant to chemicals and oils
- Handles higher load ratings and provides excellent durability
- **Temperature Range:** -40° to 180° F

TPU (Popular on Regent, Monarch and Institutional)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/Core Color	Thread Guard	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
2"	13/16"	Plain	Grey/Black	None	0.9"	1/4"	40D	100	007963
2-1/2"	13/16"	Plain	Grey/Black	None	0.9"	1/4"	40D	120	007965
3"	13/16"	Plain	Grey/Black	None	0.99"	1/4"	40D	125	008083
	1-1/4"	Precision Ball	Blue/Grey	Full	1.6"	3/8"	45D	250	008443
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	45D	250	008413
3-1/2"	1-1/4"	Ball	Grey/Grey	Partial	1.625"	3/8"	45D	275	009199
4"	15/16"	Plain	Grey/Black	None	1.15"	5/16"	40D	150	008084
	1-1/4"	Precision Ball	Blue/Grey	Partial	1.6"	3/8"	45D	300	008444M
	1-1/4"	Precision Ball	Blue/Grey	Full	1.6"	3/8"	45D	300	008446M
	1-1/4"	Precision Ball	Grey/Grey	Partial	1.6"	3/8"	45D	300	008425M
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	45D	300	008416M
5"	15/16"	Plain	Grey/Black	None	1.15"	5/16"	40D	150	008085
	1-1/4"	Precision Ball	Blue/Grey	Partial	1.6"	3/8"	45D	315	008445M
	1-1/4"	Precision Ball	Blue/Grey	Full	1.6"	3/8"	45D	315	008447M
	1-1/4"	Precision Ball	Grey/Grey	Partial	1.6"	3/8"	45D	315	008428M
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	45D	315	008419M
6"	1-1/4"	Precision Ball	Grey/Grey	Partial	1.6"	3/8"	45D	325	008431M
	1-1/4"	Precision Ball	Grey/Grey	Full	1.6"	3/8"	45D	325	008422M

See page 47 for E-Line polyurethane tread models



Institutional Grey TPU
Pages 10-12



Regent Grey TPU
Pages 6-8



Eclipse TPU
Page 19



Vipor

Vipor (Popular on Regent, Monarch and Institutional)

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/Core Color	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
2"	13/16"	Plain	Clear/Grey	1"	1/4"	90A	80	001920
3"	13/16"	Plain	Clear/Grey	.99"	1/4"	85A-90A	120	001899
6"	1-1/4"	Ball	Clear/Grey	1.59"	3/8"	85A-90A	300	009256



Features

- A specialized Vipor material provides excellent abrasion resistance with a very high-tech look
- Resistant to chemicals and oils

Solid Urethane

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/Core Color	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
3"	1-13/16"	Roller	Grey	2.05"	7/16"[1]	55D-65D	1,000	001587

[1]Requires spanner# 009290 to utilize 7/16" axle, order separately with wheel.



Features

- Solid urethane construction provides excellent floor protection and durability
- Urethane helps absorb shocks and provide quieter mobility

Glass Filled Nylon

Wheel Diameter (Inches)	Tread Width (Inches)	Bearing	Tread/Core Color	Hub Length (Inches)	Axle Size (Inches)	Durometer / Shore Scale	Dynamic Load (Pounds)	Part Number
3"	1-13/16"	Precision Ball	Black	2.03"	7/16"	85D	1,000	006300



Features

- High impact resistance
- Handles heavy loads and is extremely durable
- Precision ball bearings provide easy mobility



Low Profile Solid Urethane
Page 15



Low Profile TPU
Page 15



Regent Vipor
Pages 6-8



Institutional Vipor
Pages 10-12

Sockets

Wood Sockets



002719-50



002255

Socket Number	Material	Hole Required	Track Plate	Attachment	Compatible Grip Ring/Grip Neck Fastening	Part Number
SR2402ZN-M36	Metal	3/8" x 1-5/8"	3/4" Dia.	Wood Press	302	002719-50
S66Z-B	Metal	9/16" x 1-1/2"	2-1/8" Dia.	1/4" screws	211, 223, 291	002255

Welded Sockets



Socket Number	Material	Hole Required	Track Plate	Compatible Fastenings	Part Number
S10X	Metal	0.59"	0.937"	211,223, 291, 273	618659

Round Tube Sockets



Light Duty



Heavy Duty



002512

Socket Number	Material	Tubing Gauge	Socket O.D.	Tubing I.D. (Dia.)	Compatible Grip Ring/Grip Neck Fastening	Part Number
Light Duty						
PSR0916BR-PE (5⁄16)	Plastic/Brown	9⁄16", 16 Ga.	0.450	0.433	302	003027
Heavy Duty						
PSR1616BK-PE (7⁄16)	Polyethylene Black	1" -16 Ga.	0.894	0.870	223, 211, 291, 273	002460
PSR1618BK-PE (7⁄16)	Polyethylene Black	1" -18 Ga.	0.924	0.902	223, 211, 291, 273	002473
P123	Polyethylene Grey	1-1/6" -13 Ga	0.894	0.872	223, 211, 291, 273	43446
RT123RD	Reinforced Thermoplastic	1-1/6" -13 Ga	0.877	0.872	223, 211, 291, 273	43401
RT125RD	Reinforced Thermoplastic	1" -18 Ga.	0.907	0.902	223, 211, 291, 273	43403
RT127RD	Reinforced Thermoplastic	1-1/4" -16 Ga.	1.125	1.12	223, 211, 291, 273	43405
Heavy Duty Metal (002512)						
PSR2616ZN-ST(7/16)	Metal	1-5/8 "-16 Ga.	–	1.505	211,273,291	002512

Square Tube Sockets



Light Duty



Heavy Duty



002513

Socket Number	Material	Tubing Gauge	Socket O.D.	Tubing I.D. (Dia.)	Compatible Grip Ring/Grip Neck Fastening	Part Number
Light Duty						
PSS1220WH-PE (5⁄16)	Plastic/White	3⁄4" -20 Ga.	0.695	0.678	302	002500
PSS1616WH-PE (5⁄16)	Plastic/White	1" -16 Ga.	0.890	0.880	302	002492
Heavy Duty						
PSS1618BK-RT	Glass Filled Nylon	1" -18 Ga.	0.916	0.902	223, 211, 291, 273	001640
RT620SQ	Reinforced Thermoplastic	3/4" -16 Ga.	0.620	0.62	223, 211, 291, 273	43531
EW4689SQ	Polyethylene	1" -16 Ga.	0.917	0.87	223, 211, 291, 273	43484
RT880SQ	Reinforced Thermoplastic	1-1/32" .080 Wall	0.892	0.88	223, 211, 291, 273	43507
ER4983SQ	Reinforced Thermoplastic	1" -18 Ga.	0.900	0.902	223, 211, 291, 273	43491
RT1150SQ	Reinforced Thermoplastic	1-1/4" -18 Ga	1.157	1.152	223, 211, 291, 273	43521
RT1400SQ	Reinforced Thermoplastic	1-1/2" -18 Ga	1.407	1.402	223, 211, 291, 273	43519
Heavy Duty Metal (002513)						
PSS2016ZN-ST(7/16)	Metal	1-1/4", 16 Ga.	–	1.13	211,273,291	002513

Sockets

Plastic Socket

Socket Number	Material/Color	Tubing Gauge	Socket O.D.	Tube I.D.	Compatible Grip Ring/Grip Neck Fastening	Part Number
PSR1213WH-PE (7/16)	Plastic/White	3/4", .083 wall	.595"	.584"	223, 211, 291, 273	002515



PVC Socket

Socket Number	Material/Color	Tubing Gauge	Socket O.D.	Tube I.D.	Compatible Grip Ring/Grip Neck Fastening	Part Number
PSR832WH-PVC (7/16)	PVC/White	Schedule 40 PVC pipe	1.663	0.433	211, 273	002717



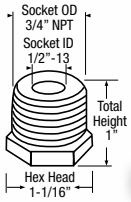
Metal Tee Nut

Socket Number	Hole Required	Compatible Threaded Stem Fastenings	Part Number
Nut SBW33	3/8"	525, 532, 545, 507	002348



Pipe Thread Socket

Works with any 741 or 748 fastening. Use with Regent, Institutional, Z Series, Ultima II & Softech.



Material	Hex Head	Socket O.D.	Socket I.D.	Total Height	Part Number
Steel	1-1/16"	3/4" NPT	1/2"-13	1"	010003



Corner Brackets

Socket Number	Material*	Overall Height	Hole Diameter	Compatible Grip Ring/ Neck Fast.	Part Number
90°, w/11/32" Holes and Tabs	Unplated Steel	1-1/2"	11/32"	223, 211, 291, 273	003313-20
180°, w/11/32" Holes and Tabs	Unplated Steel	1-1/2"	11/32"	223, 211, 291, 273	003312-20

* Note: Zinc plated versions available by special order; consult factory.



003313-20



003312-20

Accessories

Nickel Glides



Glide Number	Base Diameter	Description	Part Number
CG07NI	7/8" Dia.	Nail-on Cushioned Rubber Glide w/ Nickel Base	002408

Nickel Glides



Glide Number	Base Diameter	Stem Dimensions	Description	Part Number
GB3	1-1/4"	5/16"-18 x 1-1/2"	Rigid Stem Type Phenolic Base	002332
GB4	1-1/2"	5/16"-18 x 1-1/2"	Rigid Stem Type Phenolic Base	002333
GB5	1-7/8"	3/8"-16 x 1-7/8"	Rigid Stem Type Phenolic Base	002336

Maxim Hex Nut Glides

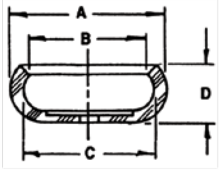


Base Diameter	Cushion Material	Stem Dimensions	Description	Part Number
1-3/8"	PVC	1/4"-20 x 1"	Maxim glides with hex nut at stem base	002360
1-3/8"	Polyethylene	5/16"-18 x 1"	Maxim glides with hex nut at stem base	002361
1-3/8"	Polyethylene	5/16"-18 x 1-1/2"	Maxim glides with hex nut at stem base	002363
1-3/8"	Polyethylene	5/16"-18 x 2"	Maxim glides with hex nut at stem base	002365
1-3/8"	Polyethylene	3/8"-16 x 1"	Maxim glides with hex nut at stem base	002366
1-3/8"	Polyethylene	3/8"-16 x 1-1/2"	Maxim glides with hex nut at stem base	002369
1-3/8"	Polyethylene	3/8"-16 x 3-1/2"	Maxim glides with hex nut at stem base	002370
1-3/4"	Polyethylene	1/4"-20 x 1"	Maxim glides with hex nut at stem base	002372
1-3/4"	Polyethylene	5/16"-18 x 1"	Maxim glides with hex nut at stem base	002374
1-3/4"	PVC	3/8"-16 x 1-1/2"	Maxim glides with hex nut at stem base	002377
1-3/4"	Polyethylene	3/8"-16 x 1-1/2"	Maxim glides with hex nut at stem base	002378

Furniture Glide Retread Caps



A	B	C	D	Part Number
1.120/1.130	.920/.930	1.019/1.029	.365/.375	004632
1.265/1.275	.995/1.010	1.105/1.115	.365/.375	004634
1.360/1.375	1.130/1.145	1.190/1.205	.345/.390	004636
1.357/1.375	1.158/1.180	1.245/1.255	.375/.390	004637
1.360/1.370	1.160/1.170	1.260/1.270	.375/.385	004638
1.480/1.490	1.255/1.265	1.375/1.385	.415/.425	004641



Hand-L-Hold



Description	Applications	Part Number
Predrilled for quick and easy mounting on maintenance carts, maid carts,breakfast carts, closets and carousels	Grips mops, brooms, garden tools, hoses, etc.	504163

Clamps and Strikes



Shepherd offers a complete line of clamps and strikes for a variety of applications. Contact Customer Service for individual clamp and strike specifications.

Fastenings

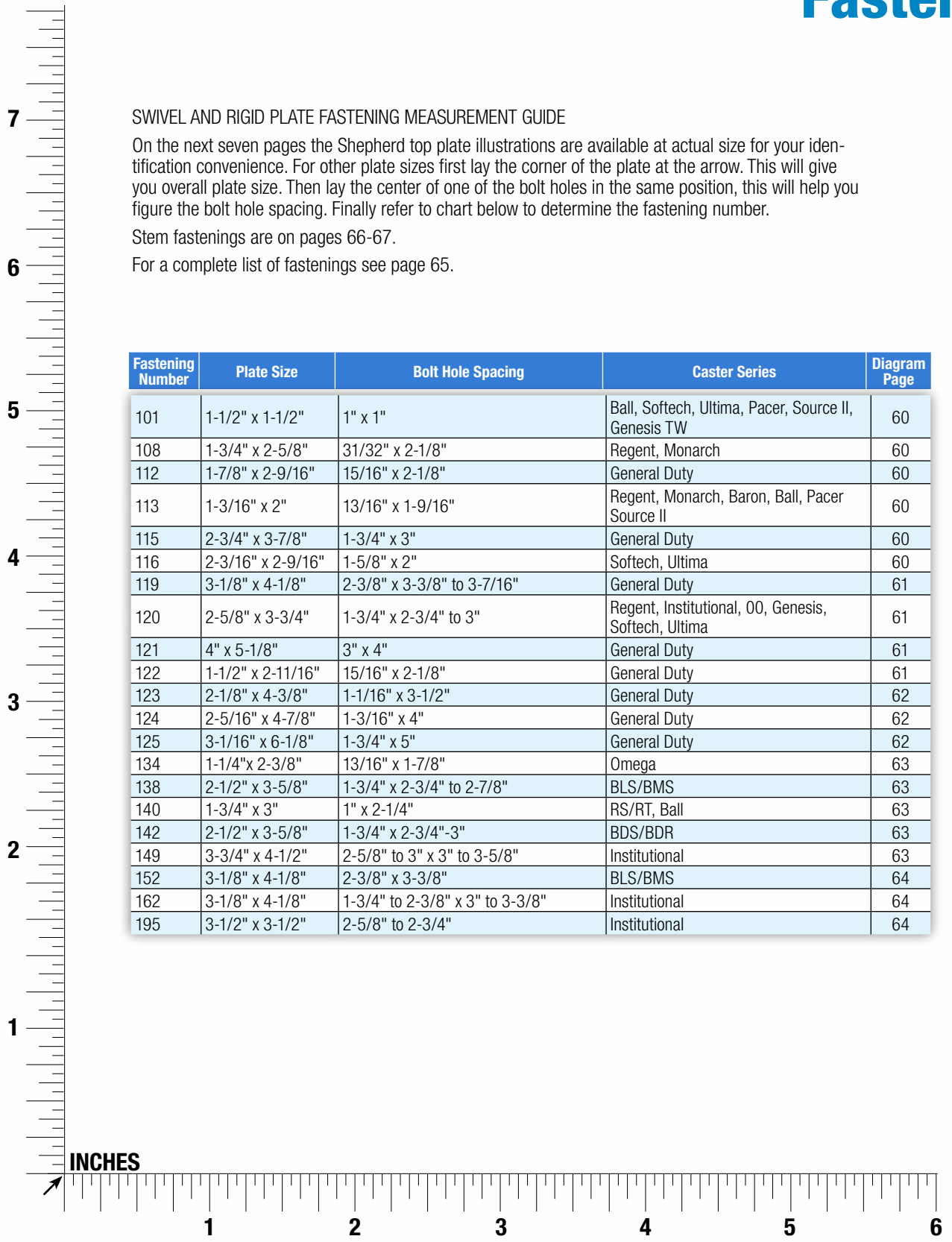
SWIVEL AND RIGID PLATE FASTENING MEASUREMENT GUIDE

On the next seven pages the Shepherd top plate illustrations are available at actual size for your identification convenience. For other plate sizes first lay the corner of the plate at the arrow. This will give you overall plate size. Then lay the center of one of the bolt holes in the same position, this will help you figure the bolt hole spacing. Finally refer to chart below to determine the fastening number.

Stem fastenings are on pages 66-67.

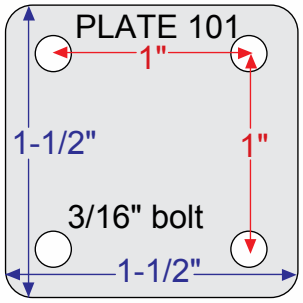
For a complete list of fastenings see page 65.

Fastening Number	Plate Size	Bolt Hole Spacing	Caster Series	Diagram Page
101	1-1/2" x 1-1/2"	1" x 1"	Ball, Softech, Ultima, Pacer, Source II, Genesis TW	60
108	1-3/4" x 2-5/8"	31/32" x 2-1/8"	Regent, Monarch	60
112	1-7/8" x 2-9/16"	15/16" x 2-1/8"	General Duty	60
113	1-3/16" x 2"	13/16" x 1-9/16"	Regent, Monarch, Baron, Ball, Pacer Source II	60
115	2-3/4" x 3-7/8"	1-3/4" x 3"	General Duty	60
116	2-3/16" x 2-9/16"	1-5/8" x 2"	Softech, Ultima	60
119	3-1/8" x 4-1/8"	2-3/8" x 3-3/8" to 3-7/16"	General Duty	61
120	2-5/8" x 3-3/4"	1-3/4" x 2-3/4" to 3"	Regent, Institutional, 00, Genesis, Softech, Ultima	61
121	4" x 5-1/8"	3" x 4"	General Duty	61
122	1-1/2" x 2-11/16"	15/16" x 2-1/8"	General Duty	61
123	2-1/8" x 4-3/8"	1-1/16" x 3-1/2"	General Duty	62
124	2-5/16" x 4-7/8"	1-3/16" x 4"	General Duty	62
125	3-1/16" x 6-1/8"	1-3/4" x 5"	General Duty	62
134	1-1/4"x 2-3/8"	13/16" x 1-7/8"	Omega	63
138	2-1/2" x 3-5/8"	1-3/4" x 2-3/4" to 2-7/8"	BLS/BMS	63
140	1-3/4" x 3"	1" x 2-1/4"	RS/RT, Ball	63
142	2-1/2" x 3-5/8"	1-3/4" x 2-3/4"-3"	BDS/BDR	63
149	3-3/4" x 4-1/2"	2-5/8" to 3" x 3" to 3-5/8"	Institutional	63
152	3-1/8" x 4-1/8"	2-3/8" x 3-3/8"	BLS/BMS	64
162	3-1/8" x 4-1/8"	1-3/4" to 2-3/8" x 3" to 3-3/8"	Institutional	64
195	3-1/2" x 3-1/2"	2-5/8" to 2-3/4"	Institutional	64

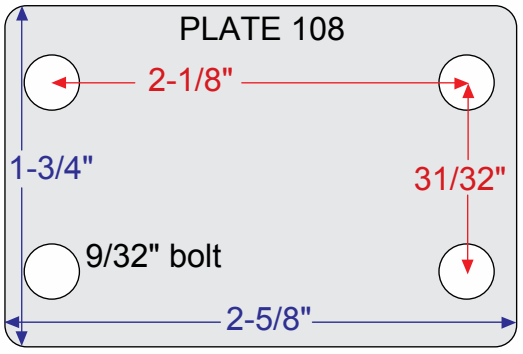


Fastenings

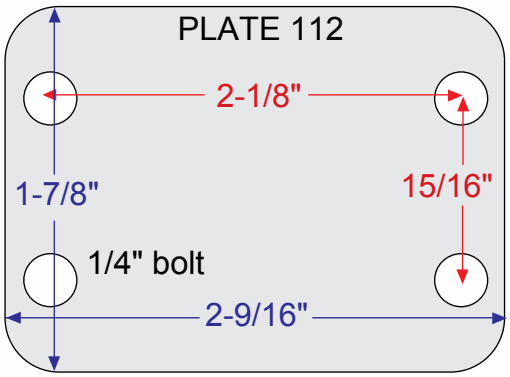
Actual sizes of the more popular top plates.



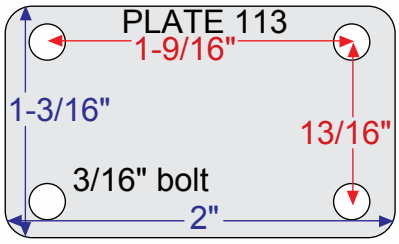
Ball, Softech, Ultima, Pacer, Source II, Genesis TW



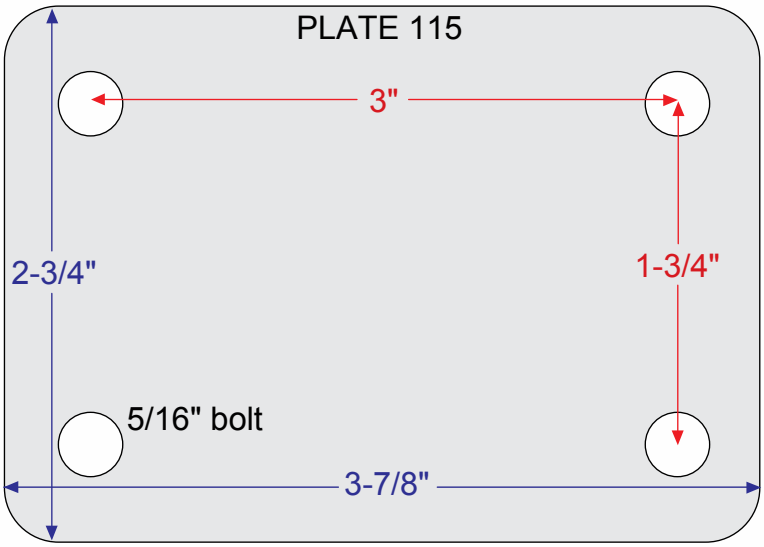
Regent, Monarch



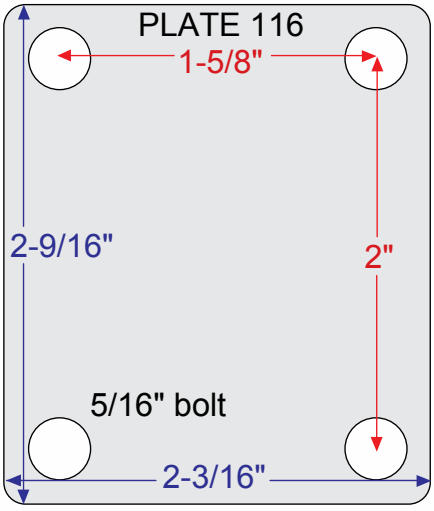
General Duty



Regent, Monarch, Baron, Ball, Pacer Source II

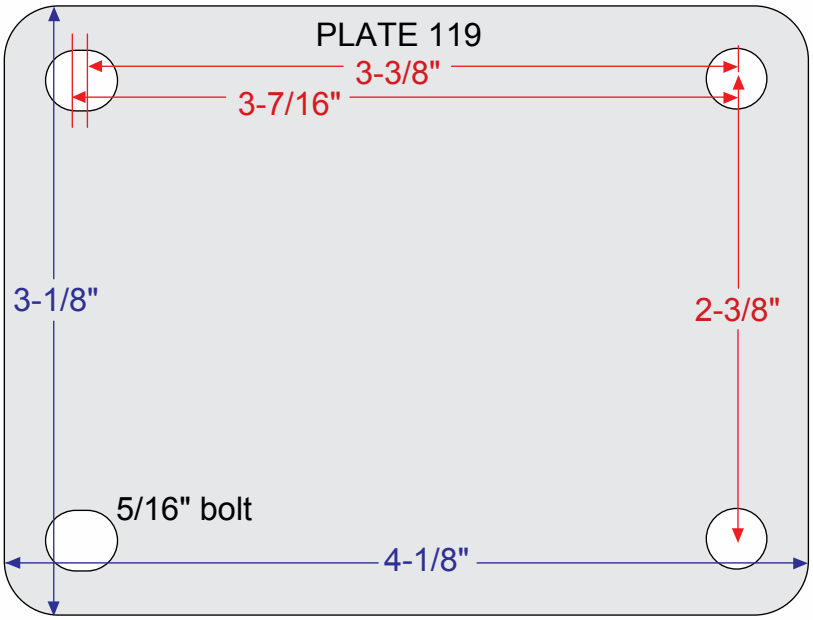


General Duty

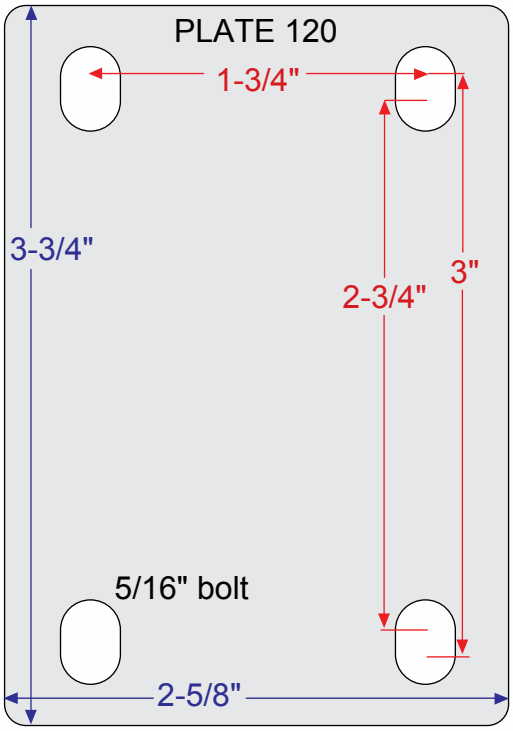


Softech, Ultima

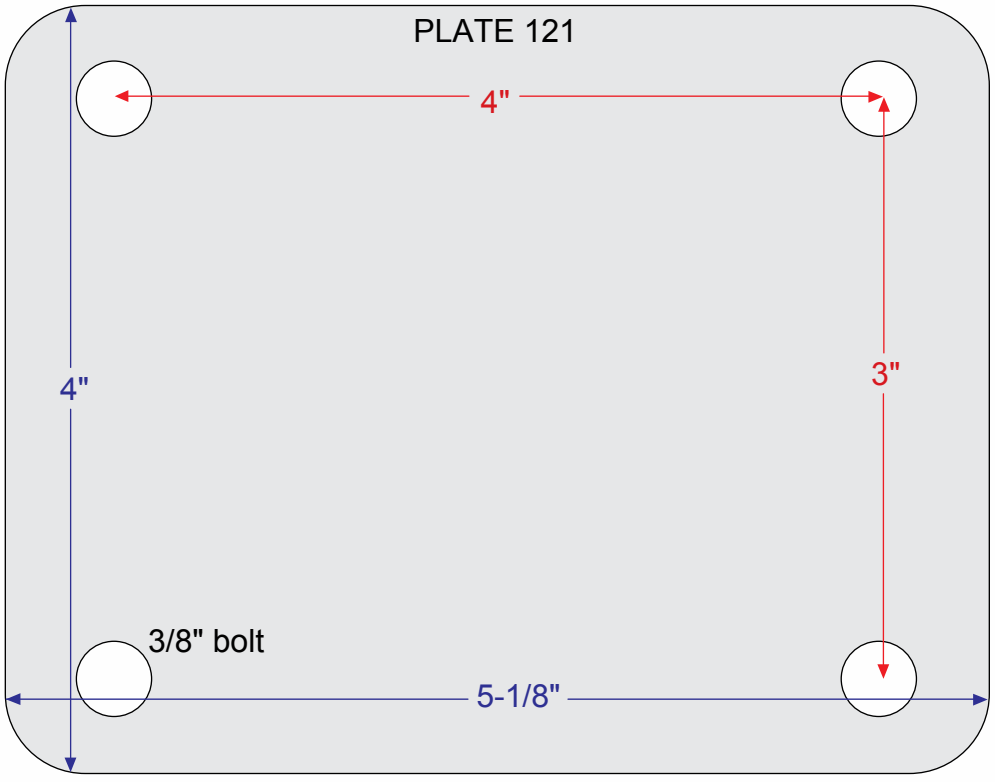
Fastenings



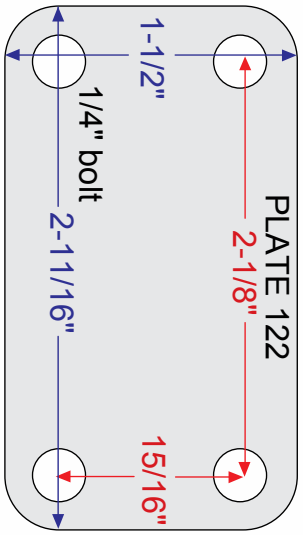
General Duty



Regent, Institutional, 00, Genesis, Softech, Ultima

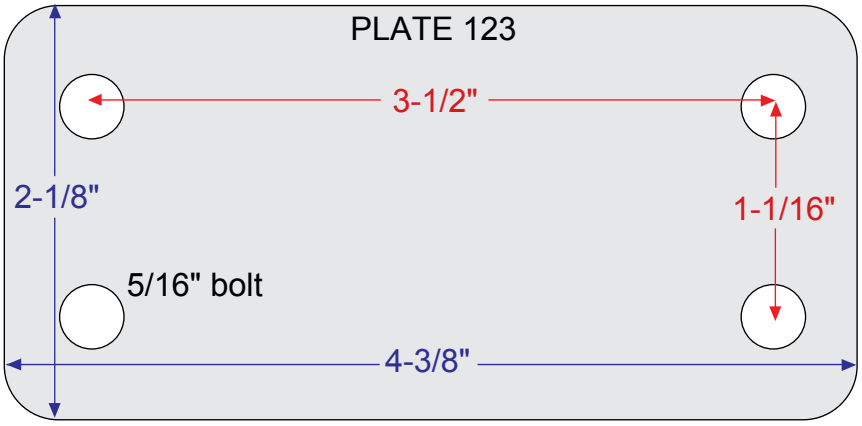


General Duty

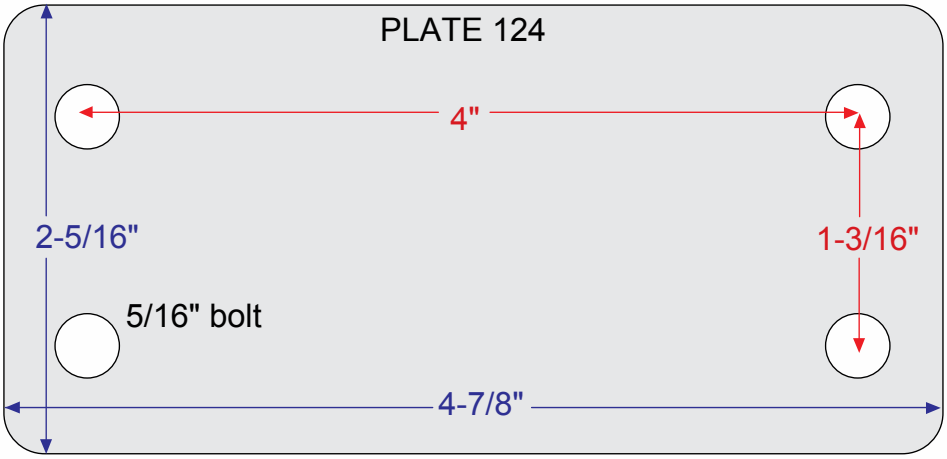


General Duty

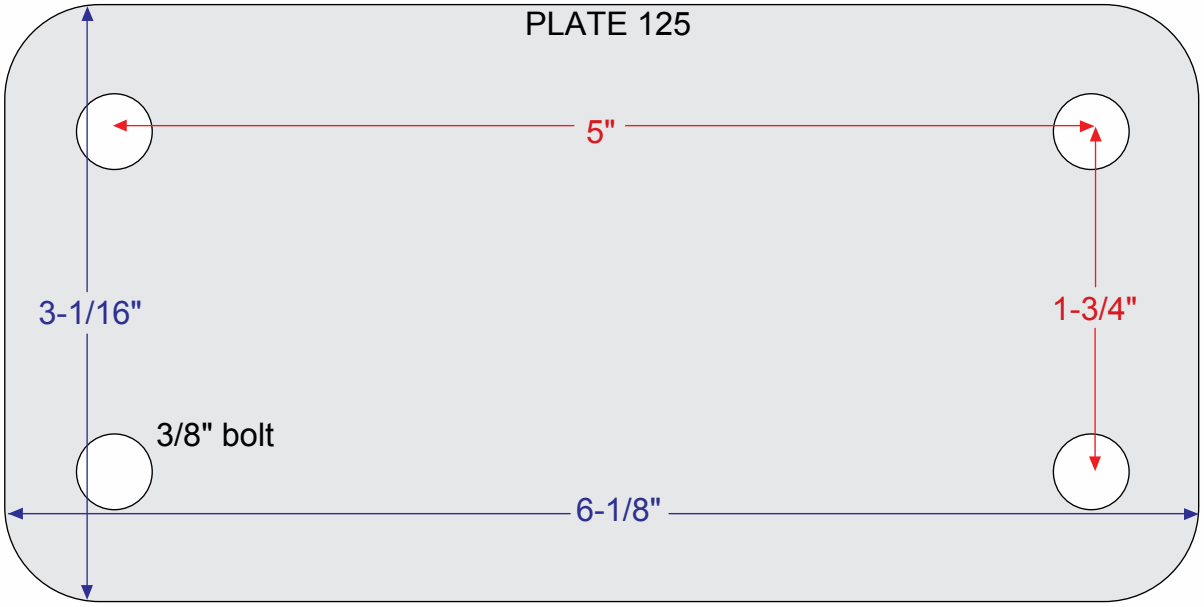
Fastenings



General Duty

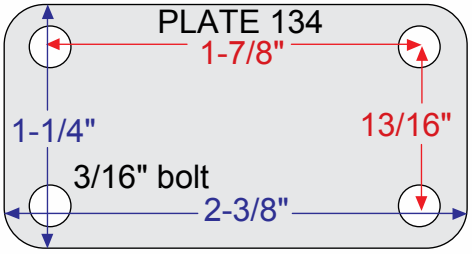


General Duty

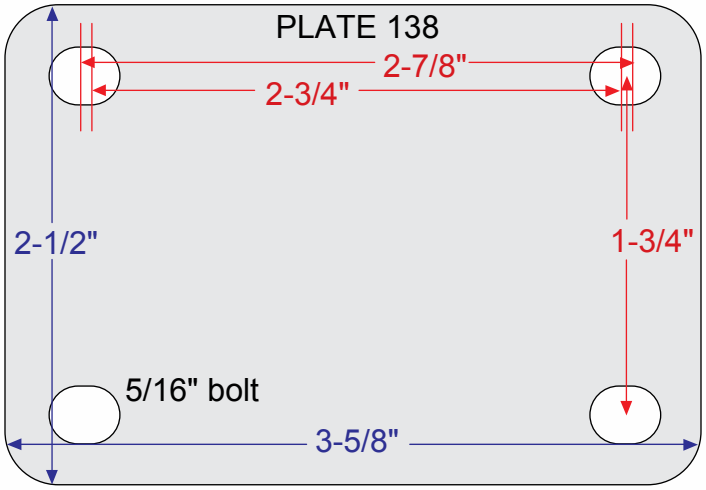


General Duty

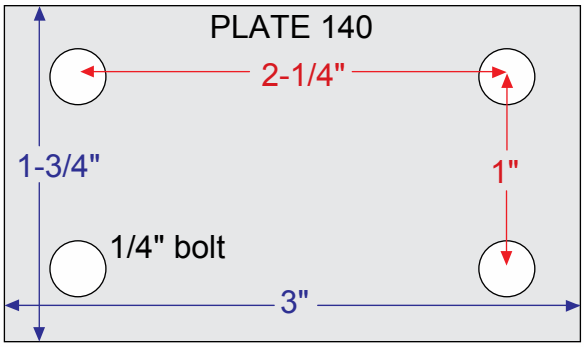
Fastenings



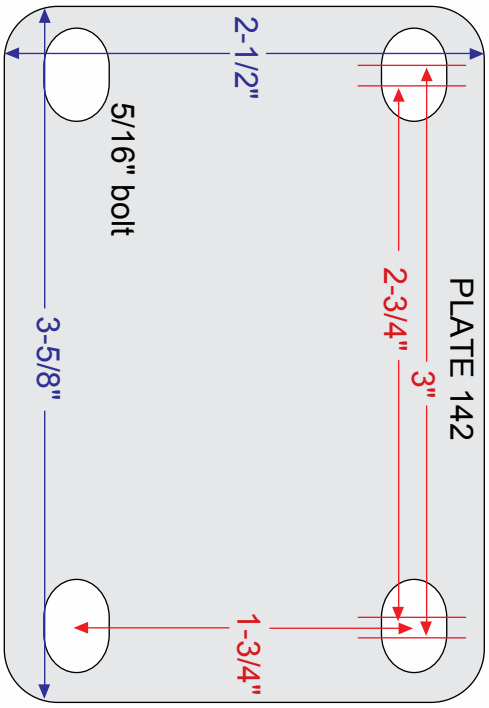
Omega



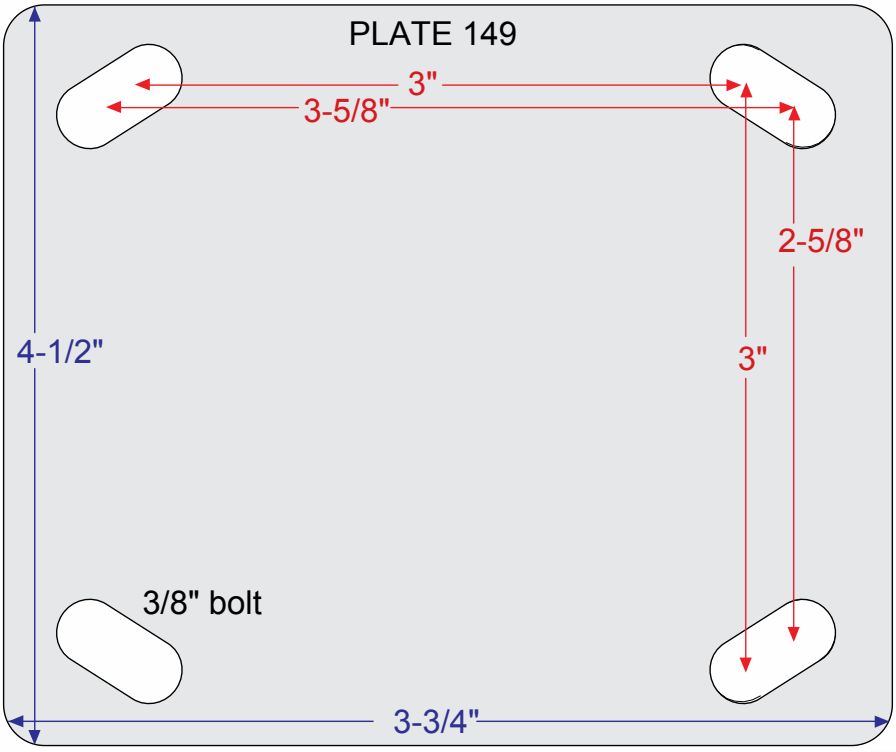
BLS/BMS



RS/RT

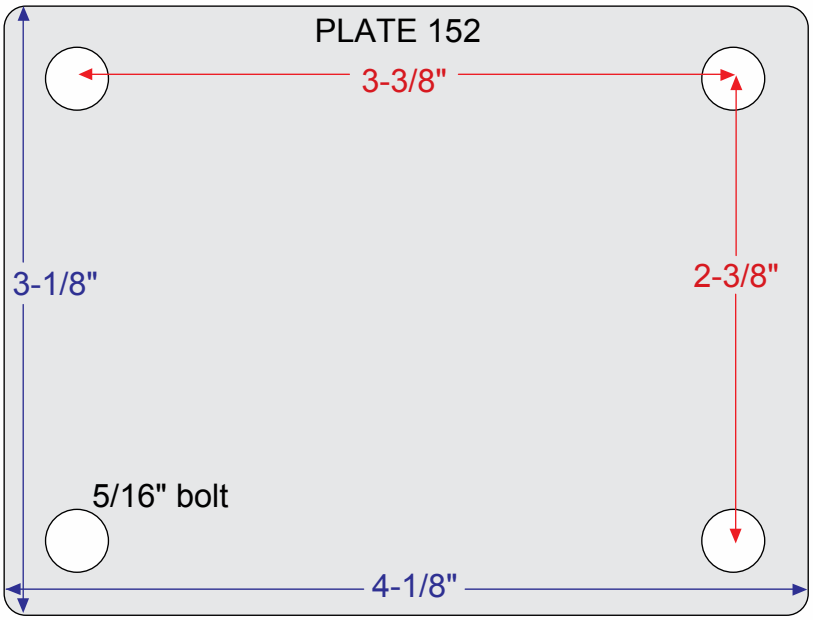


BDS/BDR

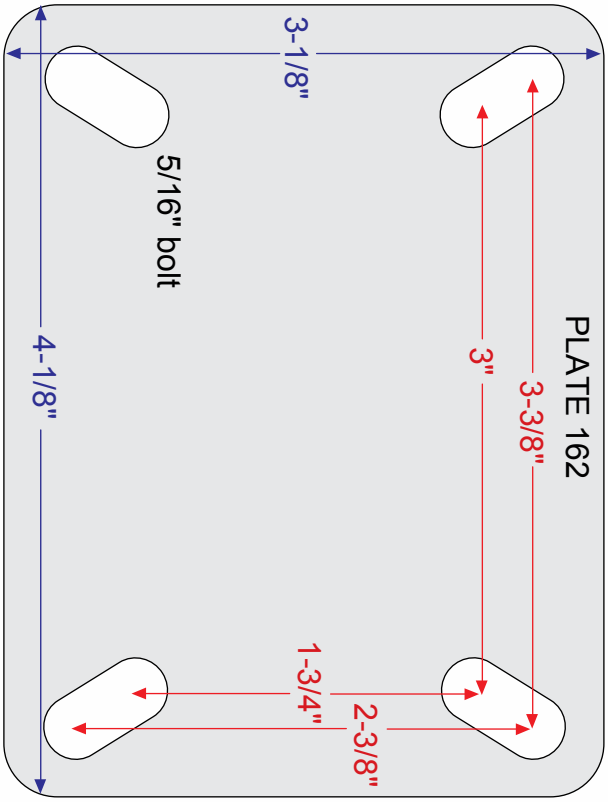


Institutional

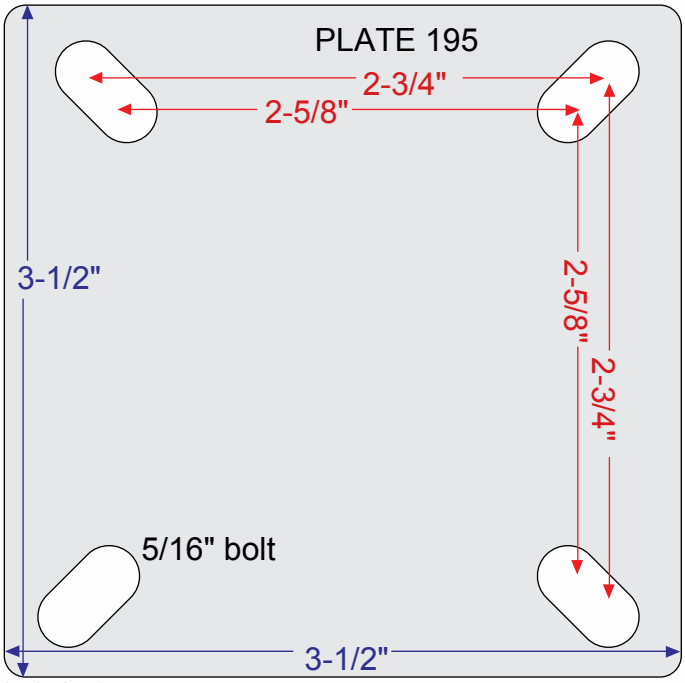
Fastenings



BLS/BMS



Institutional

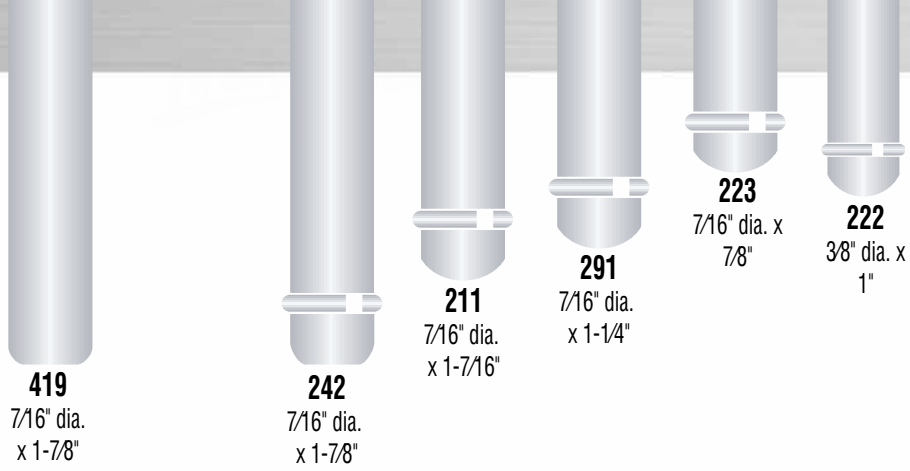


Institutional

Shepherd Fastenings

Fastening #	Type	Size	Bolt Hole	Regent	Monarch	Institutional Series	General Duty	Low Profile 00	Low Profile BLS/BMS	BDS/BDR	Omega	RS/RT	Eclipse	Genesis	Ball	Baron	Softech	Ultima	Pacer	Source II	Genesis TW	GRX
Page Numbers->				6-8	9	10-12	13	14	14	16	17	18	19	21	24-25	26	28-29	30-31	32	33	35	37
500	Threaded	5/16"-18 x 1-1/2"		✓											✓							
507	Threaded	5/16"-18 x 1"		✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
512	Threaded	5/16"-18 x 2"													✓							
525	Threaded	5/16"-18 x 1/2"													✓				✓			
526	Threaded	5/16"-18 x 1-1/4"													✓				✓			
532	Threaded	5/16"-18 x 3/4"		✓												✓						
545	Threaded	5/16"-18 x 7/8"													✓				✓			
605	Threaded	3/8"-16 x 1-1/2"		✓	✓			✓			✓	✓		✓	✓	✓			✓			
634	Threaded	3/8"-16 x 1"		✓											✓	✓	✓	✓	✓		✓	
637	Threaded	3/8"-16 x 3/4"		✓							✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
639	Threaded	3/8"-24 x 5/8"													✓				✓			
705	Theaded	1/2"-13 x 2-13/16"		✓		✓																
741	Threaded	1/2"-13 x 1"		✓		✓		✓		✓				✓			✓	✓				✓
748	Threaded	1/2"-13 x 1-1/2"		✓		✓		✓		✓	✓	✓		✓			✓	✓				
800	Threaded	7/16"-14 x 1-1/2"		✓																		
806	Threaded	7/16"-14 x 2-1/4"		✓																		
824	Threaded	5/8"-11 x 1-3/4"								✓												
825	Threaded	3/4"-10 x 1-1/2"								✓												
828	Threaded	1/4"-20 x 5/8"													✓				✓			
844	Threaded	1/4"-20 x 1/2"																				
419	Plain	7/16" x 1-7/8"									✓	✓										
211	Grip Ring	7/16" x 1-7/16"		✓	✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
222	Grip Ring	3/8" x 1"		✓							✓	✓			✓	✓			✓	✓		✓
223	Grip Ring	7/16" x 7/8"		✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
242	Grip Ring	7/16" x 1-7/8"									✓	✓					✓	✓				
291	Grip Ring	7/16" x 1-1/4"				✓								✓			✓	✓				
302	Grip Neck	5/16" x 1-1/2"		✓	✓						✓	✓			✓	✓	✓	✓	✓	✓	✓	
204	Grip Band	7/16" x 2"		✓																		
273	Grip Band	7/16" x 1-3/8"		✓		✓		✓									✓				✓	
1R	Plate	1-1/16" Dia.	25/32" and 5/32" hole												✓							
101	Plate	1-1/2" x 1-1/2"	1" x 1"												✓		✓	✓	✓	✓	✓	
108	Plate	1-3/4" x 2-5/8"	31/32" x 2-1/8"	✓	✓																	
112	Plate	1-7/8" x 2-9/16"	15/16" x 2-1/8"				✓															
113	Plate	1-3/16" x 2"	13/16" x 1-9/16"	✓	✓										✓	✓			✓	✓		
115	Plate	2-3/4" x 3-7/8"	1-3/4" x 3"				✓															
116	Plate	2-3/16" x 2-9/16"	1-5/8" x 2"														✓	✓				
119	Plate	3-1/8" x 4-1/8"	2-3/8" x 3-3/8" to 3-7/16"				✓															
120	Plate	2-5/8" x 3-3/4"	1-3/4" x 2-3/4" to 3"	✓		✓		✓						✓			✓	✓				
121	Plate	4" x 5-1/8"	3" x 4"				✓															
122	Plate	1-1/2" x 2-11/16"	15/16" x 2-1/8"				✓															
123	Plate	2-1/8" x 4-3/8"	1-1/16" x 3-1/2"				✓															
124	Plate	2-5/16" x 4-7/8"	1-3/16" x 4"				✓															
125	Plate	3-1/16" x 6-1/8"	1-3/4" x 5"				✓															
134	Plate	1-1/4"x 2-3/8"	13/16" x 1-7/8"								✓											
138	Plate	2-1/2" x 3-5/8"	1-3/4" x 2-3/4" to 2-7/8"						✓													
140	Plate	1-3/4" x 3"	1" x 2-1/4"									✓										
142	Plate	2-1/2" x 3-5/8"	1-3/4" x 2-3/4"-3"							✓												
149	Plate	3-3/4" x 4-1/2"	2-5/8" to 3" x 3" to 3-5/8"			✓																
152	Plate	3-1/8" x 4-1/8"	2-3/8" x 3-3/8"						✓													
153	Plate	2-1/2" x 4-1/8"	1-15/16" x 3-3/8"																			
162	Plate	3-1/8" x 4-1/8"	1-3/4" to 2-3/8" x 3" to 3-3/8"			✓																
195	Plate	3-1/2" x 3-1/2"	2-5/8" to 2-3/4"			✓																
400	Hollow Kingpin	For 1/2" diameter bolts				✓																
403	Hollow Kingpin	For 3/8" diameter bolts									✓											
406	Hollow Kingpin	For 3/8" diameter bolts										✓										
440-455	Expanding Adapters			✓		✓																

Fastenings



STEM FASTENING
IDENTIFICATION GUIDE

Match fastening to corresponding illustration. Replacement grip ring stems can be slightly shorter than original stem and still be suitable. A rounded or squared stem head has no effect on fit. **All fastenings shown are actual size.**

Plain Stem

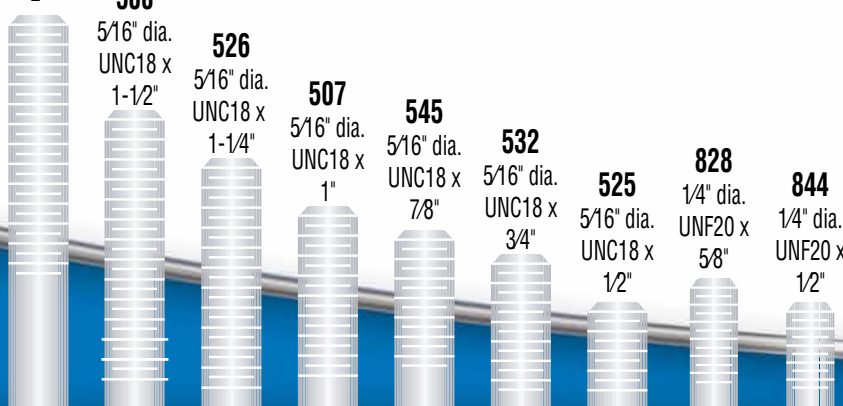


Grip Ring Stem

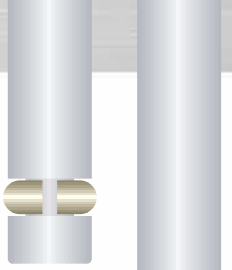


Threaded Stem





Fastenings



273
7⁄16" dia.
x 1-3⁄8"
brass band



204
7⁄16" dia. x 2"
brass band



302
5⁄16" dia.
x 1-1⁄2"

Grip Ring Brass Band Stem

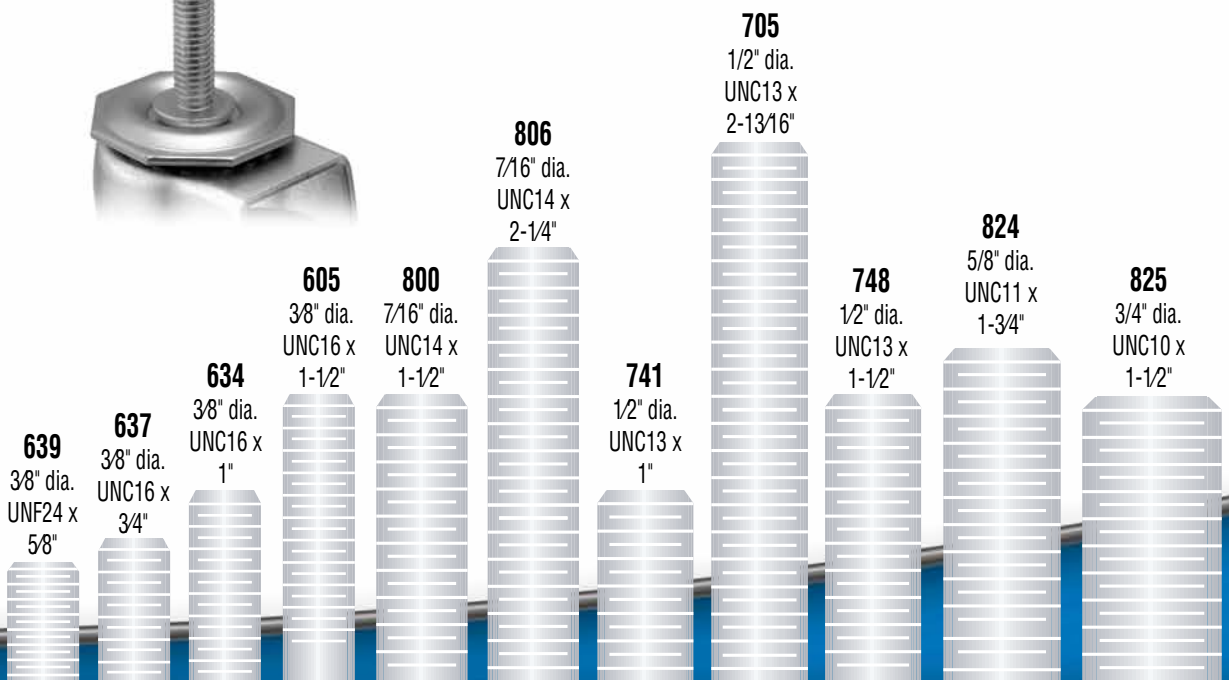


Grip Neck Stem



Threaded Stem Continued







shepherd®

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THE GLOBAL LEADER
IN CASTERS AND WHEELS.

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