




**CASTER  
CONCEPTS**  
BEYOND STANDARD



# **PRODUCT CATALOG**

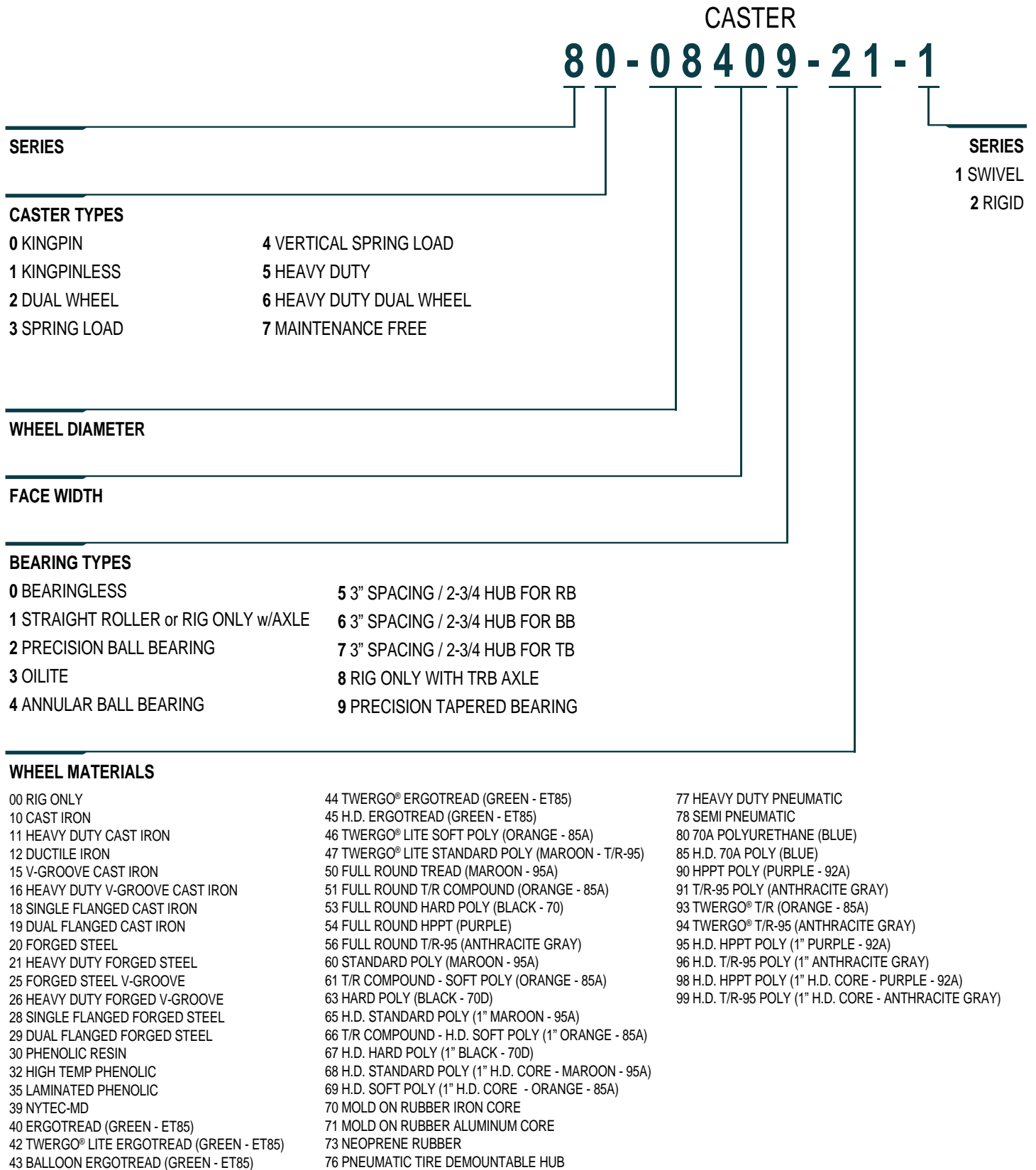
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## **INDUSTRIAL CASTERS**

VERSION: 17.1

# CASTER NUMBERING SYSTEM

## DEFINITIONS



# WHEEL NUMBERING SYSTEM

## DEFINITIONS

WHEEL  
**0 8 4 0 9 - 2 1 - 16**

**WHEEL DIAMETER**

**FACE WIDTH**

**BEARING TYPES**

- |                               |  |
|-------------------------------|--|
| <b>0</b> BEARINGLESS          | <b>5</b> 3" SPACING / 2-3/4 HUB FOR RB |
| <b>1</b> STRAIGHT ROLLER      | <b>6</b> 3" SPACING / 2-3/4 HUB FOR BB |
| <b>2</b> BALL BEARING         | <b>7</b> 3" SPACING / 2-3/4 HUB FOR TB |
| <b>3</b> OILITE               | <b>8</b> BORED FOR TRB                 |
| <b>4</b> ANNULAR BALL BEARING | <b>9</b> PRECISION TAPERED BEARING     |

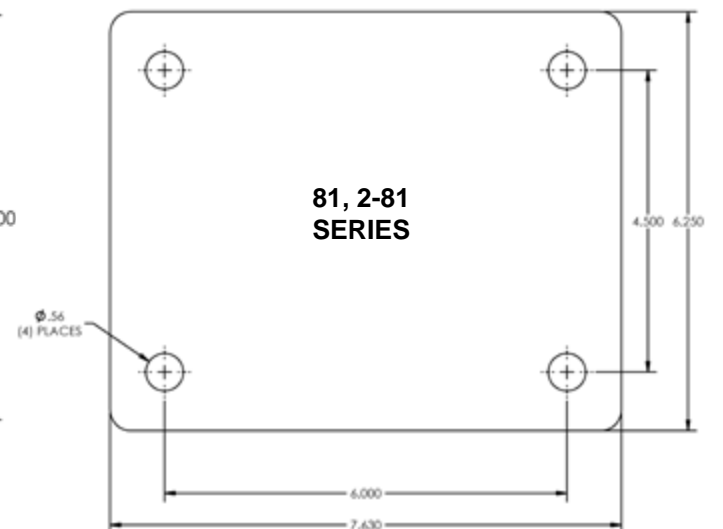
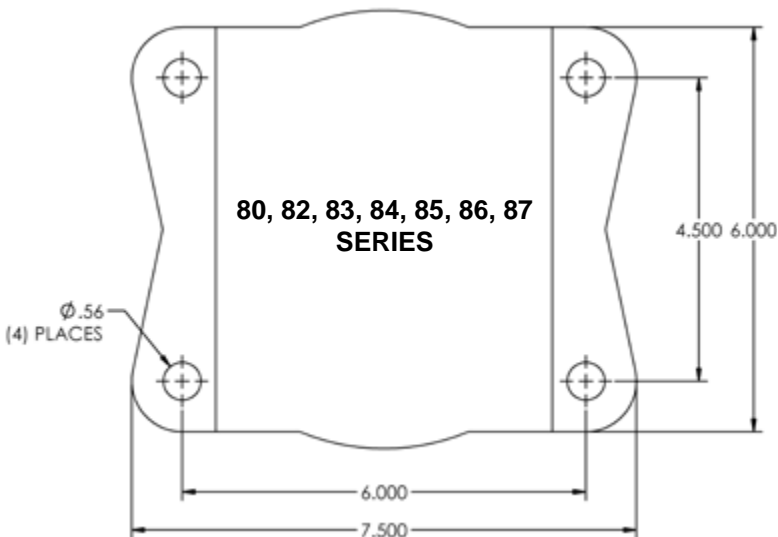
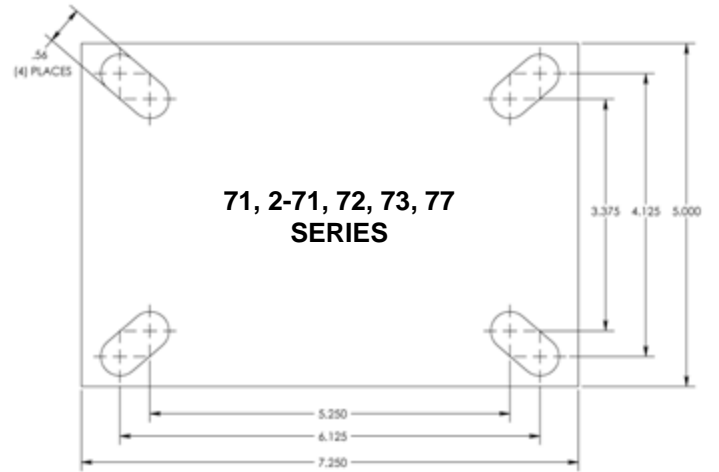
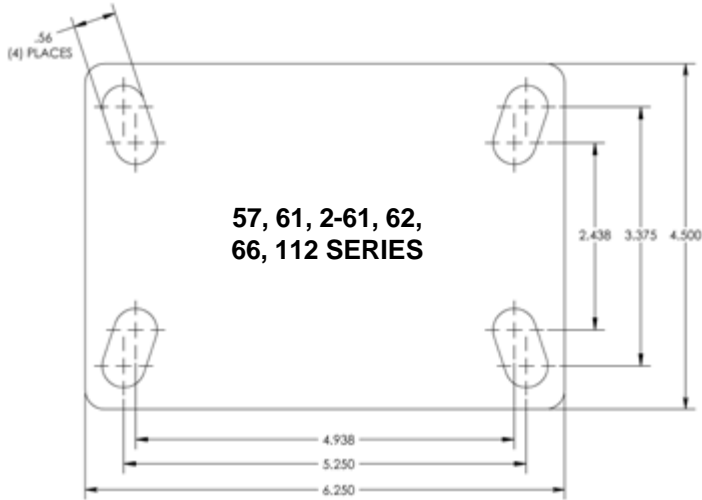
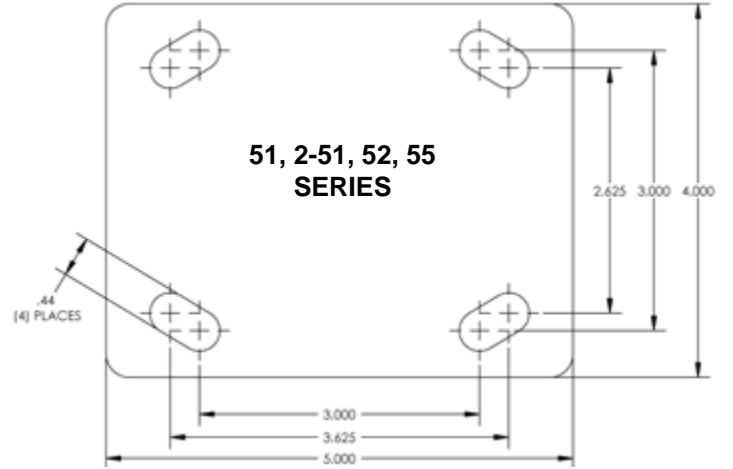
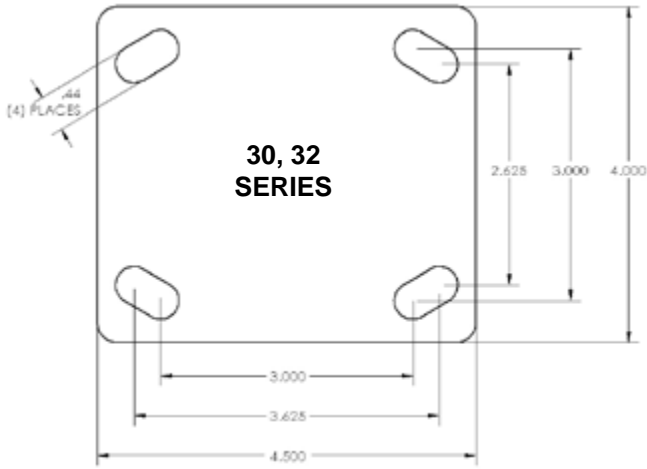
**WHEEL MATERIALS**

- |   |  |
|---|--|
| 00 RIG ONLY                                     | 54 FULL ROUND HPPT (PURPLE)                          |
| 10 CAST IRON                                    | 56 FULL ROUND T/R-95 (ANTHRACITE GRAY)               |
| 11 HEAVY DUTY CAST IRON                         | 60 STANDARD POLY (MAROON - 95A)                      |
| 12 DUCTILE IRON                                 | 61 T/R COMPOUND - SOFT POLY (ORANGE - 85A)           |
| 15 V-GROOVE CAST IRON                           | 63 HARD POLY (BLACK - 70D)                           |
| 16 HEAVY DUTY V-GROOVE CAST IRON                | 65 H.D. STANDARD POLY (1" MAROON - 95A)              |
| 18 SINGLE FLANGED CAST IRON                     | 66 T/R COMPOUND - H.D. SOFT POLY (1" ORANGE - 85A)   |
| 19 DUAL FLANGED CAST IRON                       | 67 H.D. HARD POLY (1" BLACK - 70D)                   |
| 20 FORGED STEEL                                 | 68 H.D. STANDARD POLY (1" H.D. CORE - MAROON - 95A)  |
| 21 HEAVY DUTY FORGED STEEL                      | 69 H.D. SOFT POLY (1" H.D. CORE - ORANGE - 85A)      |
| 25 FORGED STEEL V-GROOVE                        | 70 MOLD ON RUBBER IRON CORE                          |
| 26 HEAVY DUTY FORGED V-GROOVE                   | 71 MOLD ON RUBBER ALUMINUM CORE                      |
| 28 SINGLE FLANGED FORGED STEEL                  | 73 NEOPRENE RUBBER                                   |
| 29 DUAL FLANGED FORGED STEEL                    | 76 PNEUMATIC TIRE DEMOUNTABLE HUB                    |
| 30 PHENOLIC RESIN                               | 77 HEAVY DUTY PNEUMATIC                              |
| 32 HIGH TEMP PHENOLIC                           | 78 SEMI PNEUMATIC                                    |
| 35 LAMINATED PHENOLIC                           | 80 70A POLYURETHANE (BLUE)                           |
| 39 NYTEC-MD                                     | 85 H.D. 70A POLY (BLUE)                              |
| 40 ERGOTREAD (GREEN - ET85)                     | 90 HPPT POLY (PURPLE - 92A)                          |
| 42 TWERGO® LITE ERGOTREAD (GREEN - ET85)        | 91 T/R-95 POLY (ANTHRACITE GRAY)                     |
| 43 BALLOON ERGOTREAD (GREEN - ET85)             | 93 TWERGO® T/R (ORANGE - 85A)                        |
| 44 TWERGO® ERGOTREAD (GREEN - ET85)             | 94 TWERGO® T/R-95 (ANTHRACITE GRAY)                  |
| 45 H.D. ERGOTREAD (GREEN - ET85)                | 95 H.D. HPPT POLY (1" PURPLE - 92A)                  |
| 46 TWERGO® LITE SOFT POLY (ORANGE - 85A)        | 96 H.D. T/R-95 POLY (1" ANTHRACITE GRAY)             |
| 47 TWERGO® LITE STANDARD POLY (MAROON - T/R-95) | 98 H.D. HPPT POLY (1" H.D. CORE - PURPLE - 92A)      |
| 50 FULL ROUND TREAD (MAROON - 95A)              | 99 H.D. T/R-95 POLY (1" H.D. CORE - ANTHRACITE GRAY) |
| 51 FULL ROUND T/R COMPOUND (ORANGE - 85A)       |  |
| 53 FULL ROUND HARD POLY (BLACK - 70)            |  |

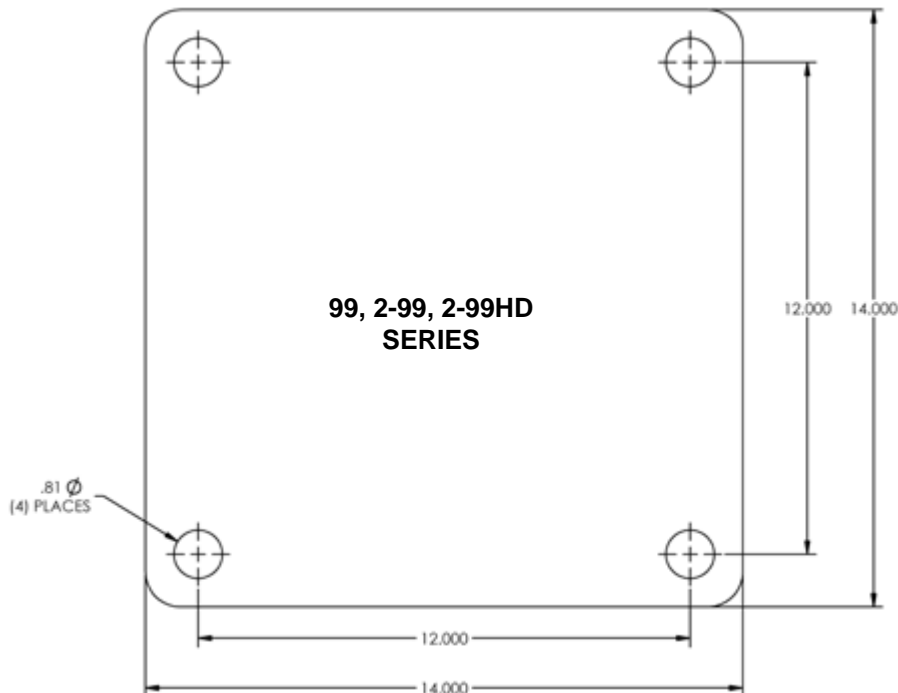
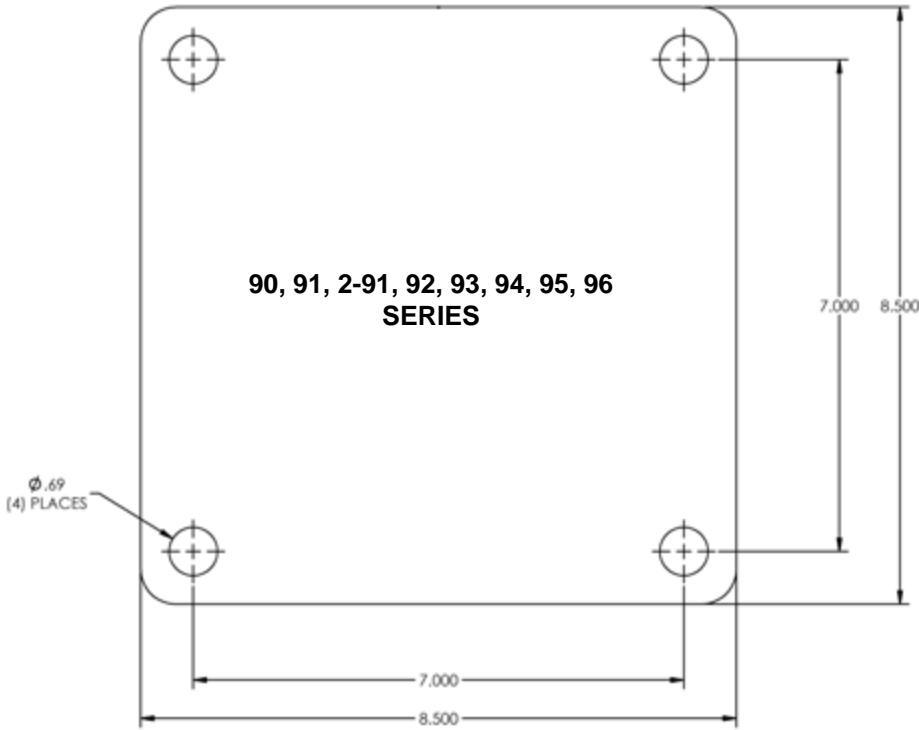
**WHEEL/BEARING BORE**

IN 1/16TH OF AN INCH  
IE: 16=1 INCH BORE

# TOP PLATE SIZES



# TOP PLATE SIZES



## TOP PLATE THICKNESS

Series	Swivel	Rigid
30	1/4"	1/4"
51	3/8"	
52	3/8"	3/8"
55	3/8"	3/8"
57	5/16"	3/8"
61	3/8"	
62	3/10"	1/4"
66	3/10"	3/8"
71	3/8"	
72	3/8"	3/8"
73	3/8"	3/8"
77	3/8"	3/8"
80	1/2"	1/2"
81	1/2"	
82	1/2"	1/2"
83	1/2"	1/2"
84	1/2"	1/2"
85	1/2"	1/2"
86	1/2"	1/2"
87	1/2"	1/2"
90	5/8"	5/8"
91	5/8"	
92	5/8"	5/8"
93	5/8"	5/8"
94	5/8"	5/8"
95	5/8"	5/8"
99	1"	1"
112	3/8"	3/8"

Note: All top plate thicknesses are nominal. Forged top plates may vary.

# BRAKE TYPES



## **CAM (C)**

The cam brake is used on lighter duty casters. This brake provides an efficient, cost-effective hub braking system.



## **POLY LOCK (P)**

A polyurethane lock roller engages a steel brake shoe against the tread of the wheel providing positive engagement of the tread. Levers can be mounted “toe out” (shown) or reversed to “toe in.”



## **SINGLE SIDE (SS)**

The single-side brake is an economical brake for medium heavy-duty casters with 6- to 12-inch diameter wheels.



## **ERGO BRAKE (M)**

Foot Actuated Wheel Brake designed to eliminate the bending, twisting and reaching that most brakes require, reducing the risk of injury. Offers a easily accessible lever that engages or disengages with a single motion. Only for 2-inch wide wheels.



## **FACE CONTACT (F)**

The face contact brake is activated by tightening the brake shoe against the wheel.



## **DUAL SIDE (DS)**

The dual side brake is a cost-effective hub brake. Each brake lever must be engaged by the operator.



## **PNEUMATIC POLY CAM (PP)**

Similar to the standard poly cam brake in operation, the pneumatic poly cam brake offers a greater movement of the brake shoe to compensate for pneumatic tires. The brake is foot operated.



## **WRAP AROUND (W)**

The wrap around brake provides total access to the braking system regardless of the caster orientation.

# SWIVEL LOCK TYPES



## SWIVEL LOCK (L)

The swivel lock provides notches every ninety degrees for use in straight line movement of the cart. Also available in 1, 3 or 8 position.



## HEAVY-DUTY DEMOUNTABLE (DHDL)

The heavy-duty demountable swivel lock is a field-installed option available for the 80s and 90s series of casters.



## HEAVY DUTY (HDL)

The heavy-duty swivel lock provides a longer, more accessible handle made from machined steel.



## DEMOUNTABLE (DL)

The demountable swivel lock is a field-installed option available for casters up to the 71 Series.



## FOOT ACTUATED SWIVEL LOCK (KL)

The locking mechanism on the foot operated swivel lock is the same as the standard swivel lock. To engage or disengage the lock, there is a pedal that can be operated by foot to improve ergonomics and speed of locking/unlocking a swivel caster.



## PASSIVE (PL)

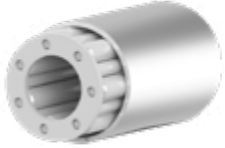
The passive swivel lock is used when full mobility of a unit is needed. The swivel lock plunger engages a detent and locks the caster for straight line movement. When side thrust is applied, the swivel unlocks providing maximum maneuverability of the unit. This swivel lock is NOT RECOMMENDED for towed applications.



## VERTICAL MOUNTED (V)

The vertical mounted swivel lock is mounted out of the way, under the yoke base of the caster. Used mostly in heavy-duty applications, this swivel lock provides a more secure locking feature.

# BEARING TYPES



## **ROLLER BEARINGS**

The roller bearing is capable of carrying a greater load than the same size diameter ball bearing. It has a split outer race shell into which the roller assembly is inserted. The bearings are contained by hardened washers.



## **PRECISION TAPERED BEARINGS**

The precision tapered bearing is the most effective bearing for heavy loads. It is capable of absorbing excessive side thrust loading and can be used where high speed operation is essential. Bearings should be periodically inspected to ensure proper adjustment.



## **PRECISION SEALED BALL BEARINGS**

Recommended for maximum rolling ease with no maintenance lubrication required. Quiet operation for medium-duty to heavy-duty loads. Not suggested for severe side or impact loads.



## **ANNULAR BALL BEARING**

Bearings are machined with hardened raceways. Ideal for applications where maximum rolling ease and quiet operation are needed. Best suited for light to medium-duty loads. Bearing is pre-assembled and the entire unit is mounted in the wheel.



## **DELRIN BEARINGS**

Delrin bearings are extremely durable under a wide range of temperatures, humid conditions and are corrosion-resistant. Wheels with the Delrin bearings are well suited for applications such as steam cleaning or where excessive water or liquid is present.



## **OILITE AND BRONZE BEARINGS**

Oilite bearings are impregnated with oil that self lubricates during use. It is resistant to corrosion and suited for wet applications, slow speeds, high heat and very low maintenance.



OUR LINE OF  
**HEAVY-DUTY CASTERS**

# MOTOR POWERED DRIVE CASTER®



## FEATURES

- Motor:** 24VDC Brushed Motor - 30 amp Current Draw.
- Speeds:** 2-5 mph depending on payload, wheel size and floor conditions.
- Power Options:** DC power (standard recommended option). AC power (only recommended for straight line movement).
- Steering:** Tank style steering.
- Wheels:** 8" x 2"
- Finish:** Powder coat (standard).

## APPLICATIONS

The integrated caster and motor make it easy to add the Drive Caster® to your equipment, including dollies, moving walls, turntables, platforms, machinery and more.

## BENEFITS

The Drive Caster® is another leading-edge innovation from Caster Concepts. The Drive Caster® is designed to move tons easily and efficiently, while offering the flexibility to integrate into a variety of applications beyond industrial carts and racks. This motor-driven caster is powered by a 1/2hp electric motor that can move up to 5,000 lbs. total weight per caster. Add another Drive Caster® and double the weight you're moving.

## OPTIONS

### POWER OPTIONS

- DC Power .....
- AC Power .....

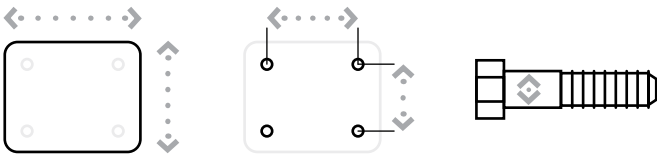
### CONVERSION SYSTEMS

- Conversion Drive Caster .....
- Trike Drive Caster.....

*Minimal speed adjustment on standard product.  
Standard Drive Casters™ are non-towable.  
Towing options available upon request.  
Mounting adapters available.*

MAXIMUM CAPACITY

# 5,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4.5" x 6.25"	2.433" x 4.933" Slotted to 3.37" x 5.25"	0.5"



CONVERSION DRIVE CASTER

TRIKE DRIVE CASTER

# MOTOR POWERED DRIVE CASTER®

## 1/2 HP DRIVE CASTER® SPECIFICATIONS

Diameter	Width	Material	OAH	Duty Cycle	Width	Length	Weight
8	2.00	Polyurethane (70A)	10.13	20% (May Vary)	11.00	16.50	35.00

## BATTERY SPECIFICATIONS

Battery Type	Battery Life	Standard Battery Charge Time	Rapid Charging Station Charge Time
Sealed Lead Acid Gel	3 - 4 Hours of Total Use	8 - 10 Hours	3 - 4 Hours (Includes Additional Set of Batteries)

## PERFORMANCE SPECIFICATIONS

Max Load Capacity	Max Towing Capacity	Max Peak Torque	Total Torque	Speed
2,000	5,000	1,000 in-lbs.	Max 250 in-lbs.	1 - 2 mph



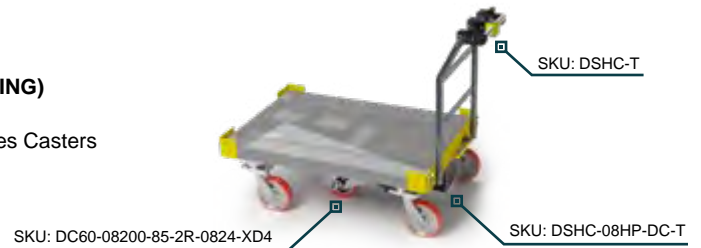
### MANUAL STEERING (FRONT PIVOTING)

- Pairs with 2 rigid & 2 swivel casters
- Direct match with standard 57 Series Casters
- Steerability Range: Medium



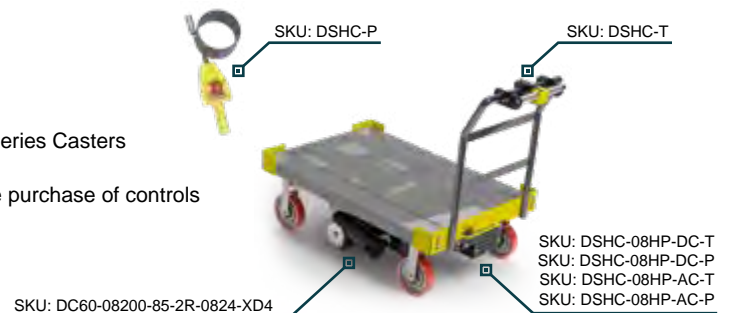
### MANUAL STEERING (CENTER PIVOTING)

- Pairs with 4 swivel casters
- Direct match with standard 57 Series Casters
- Steerability Range: High



### STRAIGHT LINE W/ TRACK

- Pairs with 4 rigid casters
- Direct match with standard 57 Series Casters
  - Custom Retrofit
  - 2 Batteries Included with the purchase of controls
- Steerability Range: None



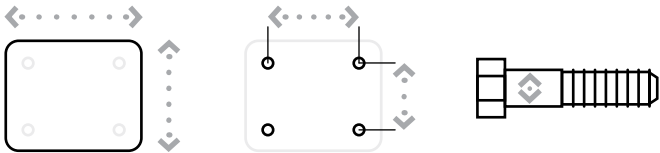
\* Speeds: Depend on payload, wheel size and floor conditions  
 All dimensions are in inches. All weights are in pounds.  
 Standard Drive Casters™ are non-load bearing.

# KINGPINLESS STYLE TWERGO® XTREME



**MAXIMUM CAPACITY**

# 3,500 lbs.

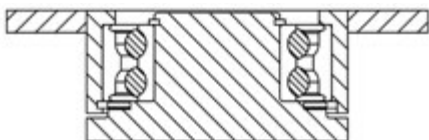


Top Plate Size	Bolt Hole Spacing	Bolt Diameter
57 Series Standard: 4.25" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
77 Series Standard: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

**57 SERIES TOP PLATE**



**77 SERIES TOP PLATE**



## FEATURES

- Swivel Section:** Sealed dual row ball bearings.
- 57 Series Legs:** 1/4 inch x 2 inch laser cut from mild steel, CNC formed and continuously welded on the inside and outside of the yoke base.
- 77 Series Legs:** 3/8 inch x 2.75 inch laser cut from mild steel, CNC formed and continuously welded on the inside and outside of the yoke base.
- Kingpin:** Kingpinless style design.
- Axle:** 3/4 inch diameter, zinc plated, fine threads.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.
- Wheel Diameter:** 6" to 12" diameter wheels are available with sealed precision ball bearings.
- Finish:** Clear zinc plating.

## APPLICATIONS

Aerospace tooling, tire tread tray carts, automotive battery carts, etc.

## BENEFITS

Safely move up to 3,500 pounds with one person. The TWERGO® wheel design allows for load to be spread out while reducing scrubbing while maneuvering.

## OPTIONS

### BRAKES

Face Contact: ..... F  
Poly Lock: ..... P

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL

\* For wheels with a diameter > 6"  
^ Only available on roller bearing wheels.

# KINGPINLESS STYLE TWERGO® XTREME

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.00	T/R Polyurethane	1,500	8.31	7.52	3.50	<a href="#">2-57TM-06202-93-1</a>	15.75
6	2.00	T/R-95 Polyurethane	1,500	8.31	7.52	3.50	<a href="#">2-57TM-06202-94-1</a>	15.75
6	2.00	ErgoTread	1,500	8.31	7.52	3.50	<a href="#">2-57TM-06202-44-1</a>	15.75
6	3.00	T/R Polyurethane	3,280	8.50	8.46	3.50	<a href="#">2-77TM-06302-93-1</a>	23.23
6	3.00	T/R-95 Polyurethane	3,500	8.50	8.46	3.50	<a href="#">2-77TM-06302-94-1</a>	23.23
6	3.00	ErgoTread	3,120	8.50	8.46	3.50	<a href="#">2-77TM-06302-44-1</a>	23.23
8	2.00	T/R Polyurethane	1,500	10.13	8.40	3.50	<a href="#">2-57TM-08202-93-1</a>	18.97
8	2.00	T/R-95 Polyurethane	1,500	10.13	8.40	3.50	<a href="#">2-57TM-08202-94-1</a>	18.97
8	2.00	ErgoTread	1,500	10.13	8.40	3.50	<a href="#">2-57TM-08202-44-1</a>	18.97
8	3.00	T/R Polyurethane	3,500	10.50	9.25	3.50	<a href="#">2-77TM-08302-93-1</a>	28.16
8	3.00	T/R-95 Polyurethane	3,500	10.50	9.25	3.50	<a href="#">2-77TM-08302-94-1</a>	28.16
8	3.00	ErgoTread	3,500	10.50	9.25	3.50	<a href="#">2-77TM-08302-44-1</a>	28.16
10	2.00	T/R Polyurethane	1,500	12.50	9.30	3.50	<a href="#">2-57TM-10202-93-1</a>	22.08
10	2.00	T/R-95 Polyurethane	1,500	12.50	9.30	3.50	<a href="#">2-57TM-10202-94-1</a>	22.08
10	2.00	ErgoTread	1,500	12.50	9.30	3.50	<a href="#">2-57TM-10202-44-1</a>	22.08
10	3.00	T/R Polyurethane	3,500	12.50	10.07	3.50	<a href="#">2-77TM-10302-93-1</a>	32.75
10	3.00	T/R-95 Polyurethane	3,500	12.50	10.07	3.50	<a href="#">2-77TM-10302-94-1</a>	32.75
10	3.00	ErgoTread	3,500	12.50	10.07	3.50	<a href="#">2-77TM-10302-44-1</a>	32.75
12	3.00	T/R Polyurethane	3,500	15.50	10.93	3.50	<a href="#">2-77TM-12302-93-1</a>	53.97
12	3.00	T/R-95 Polyurethane	3,500	15.50	10.93	3.50	<a href="#">2-77TM-12302-94-1</a>	53.97
12	3.00	ErgoTread	3,500	15.50	10.93	3.50	<a href="#">2-77TM-12302-44-1</a>	53.97

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [2-77TM-06302-44-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

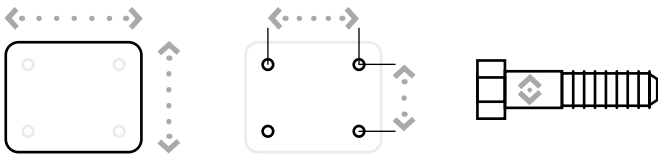
All dimensions are in inches. All weights are in pounds.

# KINGPINLESS STYLE HERCULES



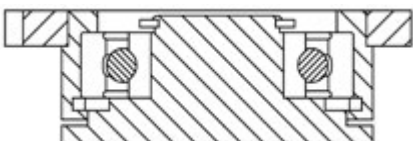
**MAXIMUM CAPACITY**

# 1,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
55 Series Standard: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
57 Series Standard: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

**55 SERIES TOP PLATE**



**57 SERIES TOP PLATE**



## FEATURES

- Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.
- Legs:** 3/8" x 3-1/4" steel, formed with C-channel design, and continuously welded on the inside and outside to the yoke base. Rigid caster legs are not formed and have angle iron for reinforcement.
- Kingpin:** Kingpinless style design.
- Axle:** 3/4" diameter.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.
- Wheels:** 6" to 10" diameter wheels are available with sealed precision ball bearings.
- Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for abusive applications where side loading is currently causing issues with bent casters. Automotive plants, line side delivery carts, any heavy-duty manufacturing where downtime and maintenance costs are issues. Maintenance-free swivel section prolongs life of caster with improved ergonomics.

## BENEFITS

Hercules casters are maintenance free with their sealed precision ball bearing in the swivel section and in the wheels. The smooth rotating action and extended lead help lower ergonomic forces. The legs are reinforced to protect against severe side loading for fork lifts and track channels. Prolonged life in extremely abusive applications reduces downtime and maintenance costs.

## OPTIONS

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL

*\* For wheels with a diameter > 6"*

# KINGPINLESS STYLE HERCULES

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.00	T/R Polyurethane	960	8.00	5.10	2.00	<a href="#">55XRL-06202-61-1</a>	19.08
6	2.00	HPPT Polyurethane	1,000	8.00	5.10	2.00	<a href="#">55XRL-06202-90-1</a>	19.08
6	2.00	T/R-95 Polyurethane	1,000	8.00	5.10	2.00	<a href="#">55XRL-06202-91-1</a>	19.08
6	2.00	T/R Polyurethane	960	8.00	5.10	2.00	<a href="#">55XRL-06202-93-1</a>	15.53
6	2.00	T/R-95 Polyurethane	1,000	8.00	5.10	2.00	<a href="#">55XRL-06202-94-1</a>	15.53
6	2.00	ErgoTread	910	8.00	5.10	2.00	<a href="#">55XRL-06202-44-1</a>	15.53
6	2.00	T/R Polyurethane	960	8.50	5.84	2.75	<a href="#">57XRL-06202-61-1</a>	22.15
6	2.00	HPPT Polyurethane	1,500	8.50	5.84	2.75	<a href="#">57XRL-06202-90-1</a>	22.15
6	2.00	T/R-95 Polyurethane	1,400	8.50	5.84	2.75	<a href="#">57XRL-06202-91-1</a>	22.15
6	2.00	ErgoTread	910	8.50	5.84	2.75	<a href="#">57XRL-06202-44-1</a>	18.62
6	2.00	T/R Polyurethane	960	8.50	5.84	2.75	<a href="#">57XRL-06202-93-1</a>	18.62
6	2.00	T/R-95 Polyurethane	1,400	8.50	5.84	2.75	<a href="#">57XRL-06202-94-1</a>	18.62
8	2.00	T/R Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55XRL-08202-61-1</a>	25.92
8	2.00	HPPT Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55XRL-08202-90-1</a>	25.92
8	2.00	T/R-95 Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55XRL-08202-91-1</a>	25.92
8	2.00	T/R Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55XRL-08202-93-1</a>	18.19
8	2.00	T/R-95 Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55XRL-08202-94-1</a>	18.19
8	2.00	ErgoTread	1,000	10.13	6.08	2.00	<a href="#">55XRL-08202-44-1</a>	18.19
8	2.00	T/R Polyurethane	1,240	10.50	6.82	2.75	<a href="#">57XRL-08202-61-1</a>	28.94
8	2.00	HPPT Polyurethane	1,500	10.50	6.82	2.75	<a href="#">57XRL-08202-90-1</a>	28.94
8	2.00	T/R-95 Polyurethane	1,500	10.50	6.82	2.75	<a href="#">57XRL-08202-91-1</a>	28.94
8	2.00	ErgoTread	1,180	10.50	6.82	2.75	<a href="#">57XRL-08202-44-1</a>	21.21
8	2.00	T/R Polyurethane	1,240	10.50	6.82	2.75	<a href="#">57XRL-08202-93-1</a>	21.21
8	2.00	T/R-95 Polyurethane	1,500	10.50	6.82	2.75	<a href="#">57XRL-08202-94-1</a>	21.21
10	2.00	T/R Polyurethane	1,000	12.00	7.07	2.00	<a href="#">55XRL-10202-93-1</a>	20.47
10	2.00	T/R-95 Polyurethane	1,000	12.00	7.07	2.00	<a href="#">55XRL-10202-94-1</a>	20.47
10	2.00	ErgoTread	1,000	12.00	7.07	2.00	<a href="#">55XRL-10202-44-1</a>	20.47
10	2.00	T/R Polyurethane	1,500	12.50	8.06	3.00	<a href="#">57XRL-10202-93-1</a>	23.68
10	2.00	T/R-95 Polyurethane	1,500	12.50	8.06	3.00	<a href="#">57XRL-10202-94-1</a>	23.68
10	2.00	ErgoTread	1,500	12.50	8.06	3.00	<a href="#">57XRL-10202-44-1</a>	23.68

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster. For rigid casters, change series to 50XRL and change the last digit from 1 to 2 (i.e. 50XRL-08202-61-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

# KINGPINLESS STYLE 112 SWIVEL ON SWIVEL (SoS)



## FEATURES

- Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.
- Legs:** 1/4" x 2" steel, formed and continuously welded on the inside and outside of the yoke base.
- Kingpin:** Kingpinless style design.
- Axle:** 1/2" diameter.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.
- Wheels:** 6" to 10" diameter wheels are available with sealed precision ball bearings.
- Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for production racks and fixtures, parts bins, conveyor systems, and other applications where maintenance-free casters and ergonomics are concerns. Also works well for carts and Automated Guided Vehicles that need to maneuver in tight spaces.

## BENEFITS

The 112 series dual swivel section is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The dual swivel action reduces castering effect, making it possible for a cart to go forwards and back in a straight line. This improves maneuverability in tight spaces and help reduce ergonomic push/pull forces.

## OPTIONS

### BRAKES

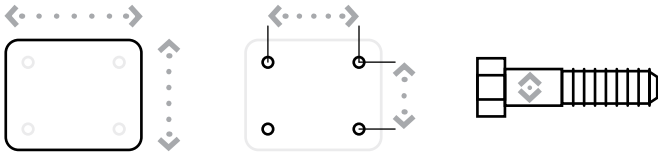
Cam: ..... C^  
 Poly Lock: ..... P\*  
 Face Contact: ..... F

TOE GUARD: ..... TG

\* For wheels with a diameter > 6"  
 ^ Not for use on TWERGO® Wheels.

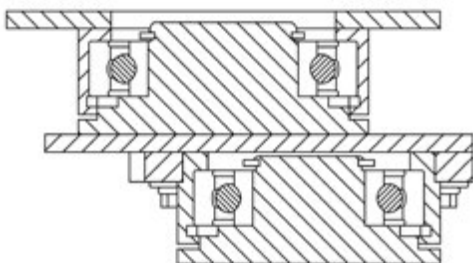
### MAXIMUM CAPACITY

# 1,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

### 112 SERIES TOP PLATE



# KINGPINLESS STYLE 112 SWIVEL ON SWIVEL (SoS)

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.00	ErgoTread	910	9.88	7.32	4.25	<a href="#">112-06202-40-1</a>	22.30
6	2.00	T/R Polyurethane	960	9.88	7.32	4.25	<a href="#">112-06202-61-1</a>	22.30
6	2.00	T/R-95 Polyurethane	1,400	9.88	7.32	4.25	<a href="#">112-06202-91-1</a>	22.30
6	2.00	HPPT Polyurethane	1,500	9.88	7.32	4.25	<a href="#">112-06202-90-1</a>	22.30
6	2.00	ErgoTread	910	9.88	7.32	4.25	<a href="#">112-06202-44-1</a>	22.30
6	2.00	T/R Polyurethane	960	9.88	7.32	4.25	<a href="#">112-06202-93-1</a>	22.30
6	2.00	T/R-95 Polyurethane	1,400	9.88	7.32	4.25	<a href="#">112-06202-94-1</a>	22.30
8	2.00	ErgoTread	1,178	12.50	8.31	4.25	<a href="#">112-08202-40-1</a>	26.30
8	2.00	T/R Polyurethane	1,240	12.50	8.31	4.25	<a href="#">112-08202-61-1</a>	26.30
8	2.00	T/R-95 Polyurethane	1,500	12.50	8.31	4.25	<a href="#">112-08202-91-1</a>	26.30
8	2.00	HPPT Polyurethane	1,500	12.50	8.31	4.25	<a href="#">112-08202-90-1</a>	26.30
8	2.00	ErgoTread	1,180	12.50	8.31	4.25	<a href="#">112-08202-44-1</a>	26.30
8	2.00	T/R Polyurethane	1,240	12.50	8.31	4.25	<a href="#">112-08202-93-1</a>	26.30
8	2.00	T/R-95 Polyurethane	1,500	12.50	8.31	4.25	<a href="#">112-08202-94-1</a>	26.30
10	2.00	T/R Polyurethane	1,500	13.88	9.30	4.25	<a href="#">112-10202-61-1</a>	30.30
10	2.00	T/R-95 Polyurethane	1,500	13.88	9.30	4.25	<a href="#">112-10202-91-1</a>	30.30
10	2.00	ErgoTread	1,500	13.88	9.30	4.25	<a href="#">112-10202-44-1</a>	30.30
10	2.00	T/R Polyurethane	1,500	13.88	9.30	4.25	<a href="#">112-10202-93-1</a>	30.30
10	2.00	T/R-95 Polyurethane	1,500	13.88	9.30	4.25	<a href="#">112-10202-94-1</a>	30.30

Capacity listed is for manual operation. For powered operations, consult factory.  
All dimensions are in inches. All weights are in pounds.

# KINGPINLESS STYLE 134 SWIVEL ON SWIVEL (SoS)



## FEATURES

- Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.
- Legs:** 1/4" x 2" steel, formed and continuously welded on the inside and outside of the yoke base.
- Kingpin:** Kingpinless style design.
- Axle:** 1/2" diameter.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.
- Wheels:** 6" to 10" diameter wheels are available with sealed precision ball bearings.
- Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for production racks and fixtures, parts bins, conveyor systems, and other applications where maintenance-free casters and ergonomics are concerns. Also works well for carts and Automated Guided Vehicles that need to maneuver in tight spaces.

## BENEFITS

The 134 series dual swivel section is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The dual swivel action reduces castering effect, making it possible for a cart to go forwards and back in a straight line. This improves maneuverability in tight spaces and help reduce ergonomic push/pull forces.

## OPTIONS

### BRAKES

- Cam: ..... C^
- Poly Lock: ..... P\*
- Face Contact: ..... F

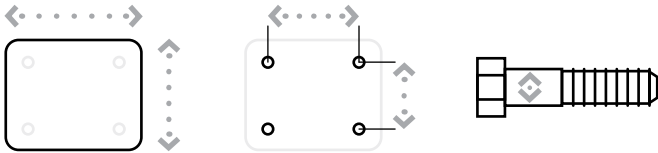
TOE GUARD: ..... TG

\* For wheels with a diameter > 6"

^ Not for use on TWERGO® Wheels.

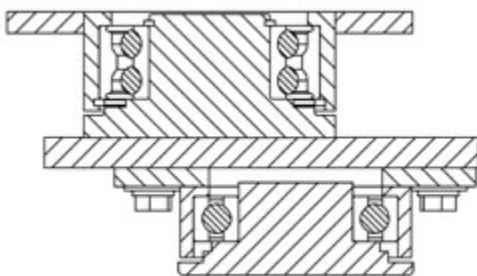
### MAXIMUM CAPACITY

# 2,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

### 134 SERIES TOP PLATE



# KINGPINLESS STYLE

## 134 SWIVEL ON SWIVEL (SoS)

### PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.00	ErgoTread	910	11.06	7.32	4.25	<a href="#">134-06202-40-1</a>	27.70
6	2.00	ErgoTread	910	11.06	7.32	4.25	<a href="#">134-06202-44-1</a>	24.90
6	2.00	T/R Polyurethane	960	11.06	7.32	4.25	<a href="#">134-06202-61-1</a>	27.70
6	2.00	T/R-95 Polyurethane	1,400	11.06	7.32	4.25	<a href="#">134-06202-91-1</a>	27.70
6	2.00	T/R Polyurethane	960	11.06	7.32	4.25	<a href="#">134-06202-93-1</a>	24.90
6	2.00	T/R-95 Polyurethane	1,400	11.06	7.32	4.25	<a href="#">134-06202-94-1</a>	24.90
8	2.00	ErgoTread	1,178	12.75	8.56	4.50	<a href="#">134-08202-40-1</a>	30.50
8	2.00	ErgoTread	1,180	12.75	8.56	4.50	<a href="#">134-08202-44-1</a>	26.60
8	2.00	T/R Polyurethane	1,240	12.75	8.56	4.50	<a href="#">134-08202-61-1</a>	30.50
8	2.00	T/R-95 Polyurethane	1,800	12.75	8.56	4.50	<a href="#">134-08202-91-1</a>	30.50
8	2.00	T/R Polyurethane	1,240	12.75	8.56	4.50	<a href="#">134-08202-93-1</a>	26.60
8	2.00	T/R-95 Polyurethane	1,800	12.75	8.56	4.50	<a href="#">134-08202-94-1</a>	26.60
10	2.00	ErgoTread	2,185	15.25	9.55	4.50	<a href="#">134-10202-40-1</a>	28.50
10	2.00	ErgoTread	1,520	15.25	9.55	4.50	<a href="#">134-10202-44-1</a>	28.30
10	2.00	T/R Polyurethane	2,300	15.25	9.55	4.50	<a href="#">134-10202-61-1</a>	28.50
10	2.00	T/R-95 Polyurethane	1,800	15.25	9.55	4.50	<a href="#">134-10202-91-1</a>	28.50
10	2.00	T/R Polyurethane	1,600	15.25	9.55	4.50	<a href="#">134-10202-93-1</a>	28.30
10	2.00	T/R-95 Polyurethane	2,500	15.25	9.55	4.50	<a href="#">134-10202-94-1</a>	28.30

Capacity listed is for manual operation. For powered operations, consult factory.  
All dimensions are in inches. All weights are in pounds.

# KINGPINLESS STYLE 154 SWIVEL ON SWIVEL (SoS)



## FEATURES

**Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.

**Legs:** 3/8" x 2-3/4" steel, formed and continuously welded on the inside and outside of the yoke base.

**Kingpin:** Kingpinless style design.

**Axle:** 3/4" diameter.

**Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.

**Wheels:** 6" to 12" diameter wheels are available with sealed precision ball bearings.

**Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for production racks and fixtures, parts bins, conveyor systems, and other applications where maintenance-free casters and ergonomics are concerns. Also works well for carts and Automated Guided Vehicles that need to maneuver in tight spaces.

## BENEFITS

The 154 series dual swivel section is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The dual swivel action reduces castering effect, making it possible for a cart to go forwards and back in a straight line. This improves maneuverability in tight spaces and help reduce ergonomic push/pull forces.

## OPTIONS

### BRAKES

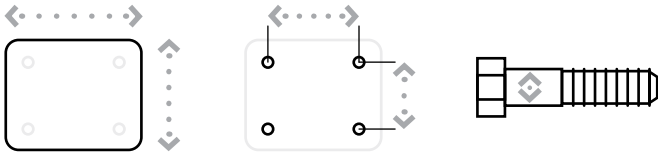
Poly Lock: ..... P\*  
Face Contact: ..... F

TOE GUARD: ..... TG

\* For wheels with a diameter > 6"

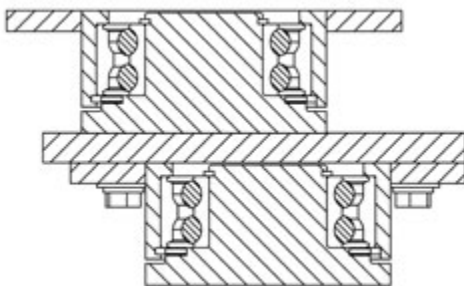
### MAXIMUM CAPACITY

# 3,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

### 154 SERIES TOP PLATE



# KINGPINLESS STYLE

## 154 SWIVEL ON SWIVEL (SoS)

### PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	ErgoTread	1,560	11.25	8.14	5.00	<a href="#">154-06302-40-1</a>	39.80
6	3.00	ErgoTread	1,560	11.25	8.14	5.00	<a href="#">154-06302-44-1</a>	31.80
6	3.00	T/R Polyurethane	1,640	11.25	8.14	5.00	<a href="#">154-06302-61-1</a>	39.80
6	3.00	HPPT Polyurethane	2,300	11.25	8.14	5.00	<a href="#">154-06302-90-1</a>	39.80
6	3.00	T/R-95 Polyurethane	2,070	11.25	8.14	5.00	<a href="#">154-06302-91-1</a>	39.80
6	3.00	T/R Polyurethane	1,640	11.25	8.14	5.00	<a href="#">154-06302-93-1</a>	31.80
6	3.00	T/R-95 Polyurethane	2,070	11.25	8.14	5.00	<a href="#">154-06302-94-1</a>	31.80
8	3.00	ErgoTread	1,900	13.25	9.12	5.00	<a href="#">154-08302-40-1</a>	44.30
8	3.00	ErgoTread	1,900	13.25	9.12	5.00	<a href="#">154-08302-44-1</a>	34.40
8	3.00	T/R Polyurethane	2,000	13.25	9.12	5.00	<a href="#">154-08302-61-1</a>	44.30
8	3.00	HPPT Polyurethane	3,100	13.25	9.12	5.00	<a href="#">154-08302-90-1</a>	44.30
8	3.00	T/R-95 Polyurethane	2,800	13.25	9.12	5.00	<a href="#">154-08302-91-1</a>	44.30
8	3.00	T/R Polyurethane	2,000	13.25	9.12	5.00	<a href="#">154-08302-93-1</a>	34.40
8	3.00	T/R-95 Polyurethane	2,800	13.25	9.12	5.00	<a href="#">154-08302-94-1</a>	34.40
10	3.00	ErgoTread	2,280	15.25	10.11	5.00	<a href="#">154-10302-40-1</a>	50.40
10	3.00	ErgoTread	2,280	15.25	10.11	5.00	<a href="#">154-10302-44-1</a>	36.90
10	3.00	T/R Polyurethane	2,400	15.25	10.11	5.00	<a href="#">154-10302-61-1</a>	50.40
10	3.00	HPPT Polyurethane	3,450	15.25	10.11	5.00	<a href="#">154-10302-90-1</a>	50.40
10	3.00	T/R-95 Polyurethane	3,100	15.25	10.11	5.00	<a href="#">154-10302-91-1</a>	50.40
10	3.00	T/R Polyurethane	2,400	15.25	10.11	5.00	<a href="#">154-10302-93-1</a>	36.90
10	3.00	T/R-95 Polyurethane	3,100	15.25	10.11	5.00	<a href="#">154-10302-94-1</a>	36.90
12	3.00	ErgoTread	2,660	18.25	11.10	5.00	<a href="#">154-12302-40-1</a>	58.10
12	3.00	ErgoTread	2,660	18.25	11.10	5.00	<a href="#">154-12302-44-1</a>	40.50
12	3.00	T/R Polyurethane	2,800	18.25	11.10	5.00	<a href="#">154-12302-61-1</a>	58.10
12	3.00	HPPT Polyurethane	3,500	18.25	11.10	5.00	<a href="#">154-12302-90-1</a>	58.10
12	3.00	T/R-95 Polyurethane	3,400	18.25	11.10	5.00	<a href="#">154-12302-91-1</a>	58.10
12	3.00	T/R Polyurethane	2,800	18.25	11.10	5.00	<a href="#">154-12302-93-1</a>	40.50
12	3.00	T/R-95 Polyurethane	3,400	18.25	11.10	5.00	<a href="#">154-12302-94-1</a>	40.50

Capacity listed is for manual operation. For powered operations, consult factory.  
All dimensions are in inches. All weights are in pounds.

# NOISE REDUCING CasterShoX®



## FEATURES

**Swivel Section:** Available in a standard kingpinless style swivel (55 Series) or a maintenance-free kingpinless style swivel (57 Series).

**Legs:** 1/4" x 2" steel, formed and continuously welded on the inside and outside to the yoke base.

**Wheels:** 6" to 8" diameter wheels are available with sealed precision ball bearings.

**Finish:** Clear zinc plating.

## APPLICATIONS

CasterShoX® casters are ideal for instances where workplace safety relating to hearing conservation is a concern. CasterShoX® casters have the ability to reduce workplace noise levels by as much as 15 dBa. In addition, CasterShoX® casters work great for transporting fragile components, or meeting ergonomic requirements.

## BENEFITS

CasterShoX® integrates a shock absorption unit into the center of the caster wheel, addressing the shock at the source, virtually eliminating noise and vibration instantly. The patented Shock Absorption unit is very different from traditional metal coiled springs, which continue to expand and contract continuously until shock is fully dissipated, CasterShoX® work like shock absorbers on a vehicle and stop the vibration quickly.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Foot Actuated: ..... KL  
Passive: ..... PL

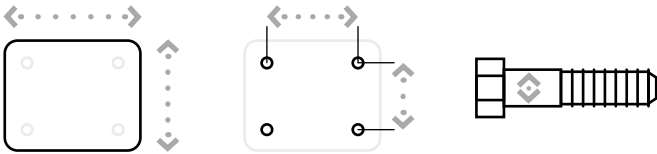
**TOE GUARD** ..... TG

\* For wheels with a diameter > 6"

^ Only available on roller bearing wheels.

### MAXIMUM CAPACITY

# 1,000 lbs.



### 55 SERIES TOP PLATE

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Optional Top Plate 30: 4" x 4.5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Optional Top Plate 60: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

### 57 SERIES TOP PLATE

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

# NOISE REDUCING CasterShoX®

## PRECISION BALL BEARING (55 SERIES)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Core Series	Weight
6	2.00	T/R Polyurethane	1,000	8.00	6.08	3.00	<a href="#">55-06202-61-1XD9</a>	9	9.57
6	2.00	T/R Polyurethane	750	8.00	6.08	3.00	<a href="#">55-06202-61-1XD8</a>	8	9.57
6	2.00	T/R Polyurethane	400	8.00	6.08	3.00	<a href="#">55-06202-61-1XD7</a>	7	9.57
6	2.00	T/R Polyurethane	200	8.00	6.08	3.00	<a href="#">55-06202-61-1XD6</a>	6	9.57
6	2.00	T/R-95 Polyurethane	1,000	8.00	6.08	3.00	<a href="#">55-06202-91-1XD9</a>	9	9.57
6	2.00	T/R-95 Polyurethane	750	8.00	6.08	3.00	<a href="#">55-06202-91-1XD8</a>	8	9.57
6	2.00	T/R-95 Polyurethane	400	8.00	6.08	3.00	<a href="#">55-06202-91-1XD7</a>	7	9.57
6	2.00	T/R-95 Polyurethane	200	8.00	6.08	3.00	<a href="#">55-06202-91-1XD6</a>	6	9.57
6	2.00	HPPT Polyurethane	1,000	8.00	6.08	3.00	<a href="#">55-06202-90-1XD9</a>	9	9.57
6	2.00	HPPT Polyurethane	750	8.00	6.08	3.00	<a href="#">55-06202-90-1XD8</a>	8	9.57
6	2.00	HPPT Polyurethane	400	8.00	6.08	3.00	<a href="#">55-06202-90-1XD7</a>	7	9.57
6	2.00	HPPT Polyurethane	200	8.00	6.08	3.00	<a href="#">55-06202-90-1XD6</a>	6	9.57
8	2.00	T/R Polyurethane	1,000	10.13	7.07	3.00	<a href="#">55-08202-61-1XD9</a>	9	12.58
8	2.00	T/R Polyurethane	750	10.13	7.07	3.00	<a href="#">55-08202-61-1XD8</a>	8	12.58
8	2.00	T/R Polyurethane	400	10.13	7.07	3.00	<a href="#">55-08202-61-1XD7</a>	7	12.58
8	2.00	T/R Polyurethane	200	10.13	7.07	3.00	<a href="#">55-08202-61-1XD6</a>	6	12.58
8	2.00	T/R-95 Polyurethane	1,000	10.13	7.07	3.00	<a href="#">55-08202-91-1XD9</a>	9	12.58
8	2.00	T/R-95 Polyurethane	750	10.13	7.07	3.00	<a href="#">55-08202-91-1XD8</a>	8	12.58
8	2.00	T/R-95 Polyurethane	400	10.13	7.07	3.00	<a href="#">55-08202-91-1XD7</a>	7	12.58
8	2.00	T/R-95 Polyurethane	200	10.13	7.07	3.00	<a href="#">55-08202-91-1XD6</a>	6	12.58
8	2.00	HPPT Polyurethane	1,000	10.13	7.07	3.00	<a href="#">55-08202-90-1XD9</a>	9	12.58
8	2.00	HPPT Polyurethane	750	10.13	7.07	3.00	<a href="#">55-08202-90-1XD8</a>	8	12.58
8	2.00	HPPT Polyurethane	400	10.13	7.07	3.00	<a href="#">55-08202-90-1XD7</a>	7	12.58
8	2.00	HPPT Polyurethane	200	10.13	7.07	3.00	<a href="#">55-08202-90-1XD6</a>	6	12.58
8	2.00	ErgoTread	950	10.13	7.07	3.00	<a href="#">55-08202-43-1XD9</a>	9	12.58
8	2.00	ErgoTread	750	10.13	7.07	3.00	<a href="#">55-08202-43-1XD8</a>	8	12.58
8	2.00	ErgoTread	400	10.13	7.07	3.00	<a href="#">55-08202-43-1XD7</a>	7	12.58
8	2.00	ErgoTread	200	10.13	7.07	3.00	<a href="#">55-08202-43-1XD6</a>	6	12.58
8	2.00	T/R Polyurethane	1,000	10.13	7.07	3.00	<a href="#">55-08202-51-1XD9</a>	9	12.58
8	2.00	T/R Polyurethane	750	10.13	7.07	3.00	<a href="#">55-08202-51-1XD8</a>	8	12.58
8	2.00	T/R Polyurethane	400	10.13	7.07	3.00	<a href="#">55-08202-51-1XD7</a>	7	12.58
8	2.00	T/R Polyurethane	200	10.13	7.07	3.00	<a href="#">55-08202-51-1XD6</a>	6	12.58
8	2.00	T/R-95 Polyurethane	1,000	10.13	7.07	3.00	<a href="#">55-08202-56-1XD9</a>	9	12.58
8	2.00	T/R-95 Polyurethane	750	10.13	7.07	3.00	<a href="#">55-08202-56-1XD8</a>	8	12.58
8	2.00	T/R-95 Polyurethane	400	10.13	7.07	3.00	<a href="#">55-08202-56-1XD7</a>	7	12.58
8	2.00	T/R-95 Polyurethane	200	10.13	7.07	3.00	<a href="#">55-08202-56-1XD6</a>	6	12.58

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change the last digit from 1 to 2 (i.e. 50-08202-61-2XD7 or [57-08202-61-2XD7](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# NOISE REDUCING CasterShoX®

## PRECISION BALL BEARING (57 SERIES)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Core Series	Weight
6	2.00	T/R Polyurethane	1,000	8.50	5.84	2.75	<a href="#">57-06202-61-1XD9</a>	9	11.57
6	2.00	T/R Polyurethane	750	8.50	5.84	2.75	<a href="#">57-06202-61-1XD8</a>	8	11.57
6	2.00	T/R Polyurethane	400	8.50	5.84	2.75	<a href="#">57-06202-61-1XD7</a>	7	11.57
6	2.00	T/R Polyurethane	200	8.50	5.84	2.75	<a href="#">57-06202-61-1XD6</a>	6	11.57
6	2.00	T/R-95 Polyurethane	1,000	8.50	5.84	2.75	<a href="#">57-06202-91-1XD9</a>	9	11.57
6	2.00	T/R-95 Polyurethane	750	8.50	5.84	2.75	<a href="#">57-06202-91-1XD8</a>	8	11.57
6	2.00	T/R-95 Polyurethane	400	8.50	5.84	2.75	<a href="#">57-06202-91-1XD7</a>	7	11.57
6	2.00	T/R-95 Polyurethane	200	8.50	5.84	2.75	<a href="#">57-06202-91-1XD6</a>	6	11.57
6	2.00	HPPT Polyurethane	1,000	8.50	5.84	2.75	<a href="#">57-06202-90-1XD9</a>	9	11.57
6	2.00	HPPT Polyurethane	750	8.50	5.84	2.75	<a href="#">57-06202-90-1XD8</a>	8	11.57
6	2.00	HPPT Polyurethane	400	8.50	5.84	2.75	<a href="#">57-06202-90-1XD7</a>	7	11.57
6	2.00	HPPT Polyurethane	200	8.50	5.84	2.75	<a href="#">57-06202-90-1XD6</a>	6	11.57
8	2.00	T/R Polyurethane	1,000	10.50	6.82	2.75	<a href="#">57-08202-61-1XD9</a>	9	15.30
8	2.00	T/R Polyurethane	750	10.50	6.82	2.75	<a href="#">57-08202-61-1XD8</a>	8	15.30
8	2.00	T/R Polyurethane	400	10.50	6.82	2.75	<a href="#">57-08202-61-1XD7</a>	7	15.30
8	2.00	T/R Polyurethane	200	10.50	6.82	2.75	<a href="#">57-08202-61-1XD6</a>	6	15.30
8	2.00	T/R-95 Polyurethane	1,000	10.50	6.82	2.75	<a href="#">57-08202-91-1XD9</a>	9	15.30
8	2.00	T/R-95 Polyurethane	750	10.50	6.82	2.75	<a href="#">57-08202-91-1XD8</a>	8	15.30
8	2.00	T/R-95 Polyurethane	400	10.50	6.82	2.75	<a href="#">57-08202-91-1XD7</a>	7	15.30
8	2.00	T/R-95 Polyurethane	200	10.50	6.82	2.75	<a href="#">57-08202-91-1XD6</a>	6	15.30
8	2.00	HPPT Polyurethane	1,000	10.50	6.82	2.75	<a href="#">57-08202-90-1XD9</a>	9	15.30
8	2.00	HPPT Polyurethane	750	10.50	6.82	2.75	<a href="#">57-08202-90-1XD8</a>	8	15.30
8	2.00	HPPT Polyurethane	400	10.50	6.82	2.75	<a href="#">57-08202-90-1XD7</a>	7	15.30
8	2.00	HPPT Polyurethane	200	10.50	6.82	2.75	<a href="#">57-08202-90-1XD6</a>	6	15.30

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change the last digit from 1 to 2 (i.e. 50-08202-61-2XD7 or [57-08202-61-2XD7](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

# KINGPINLESS STYLE 51 SERIES



## FEATURES

**Swivel Section:** High alloy swivel section is precision machined to accommodate 3/8" diameter ball bearings. Swivel sections are through hardened for durability.

**Legs:** 1/4" x 2" steel, formed and continuously welded inside and outside to the yoke base.

**Axle:** 1/2" diameter.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 4" to 8" diameter wheels are available with straight roller bearings or ball bearings for ease in rolling.

**Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for light powered applications, bakery dough troughs, portable work benches, platform trucks, tow lines, utility carts, tooling fixtures, scrap metal carriers, drywall dollies, gantry cranes, automated guided vehicles, fiberglass lay-up molds, and other applications.

## BENEFITS

The 51 Series kingpinless style swivel bearings act as both load and thrust components to lock the swivel section together and distribute the load over a larger area. The hardened swivel sections and formed and welded legs provide the strength and durability necessary for use in applications where constant swiveling under load is necessary.

## OPTIONS

### BRAKES

Cam: ..... C\*  
 Poly Lock: ..... P\*  
 Wrap Around: ..... W\*^  
 Dual Side: ..... DS^  
 Single Side: ..... SS^  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Demountable: ..... DL  
 Foot Actuated: ..... KL  
 Passive: ..... PL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

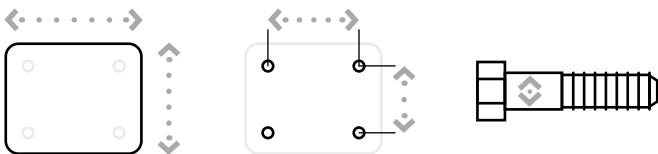
TOE GUARD ..... TG

\* For wheels with a diameter > 6"

^ Only available on roller bearing wheels.

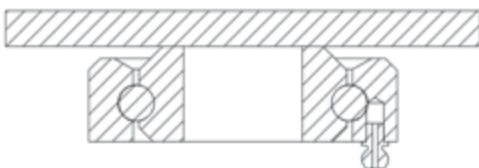
### MAXIMUM CAPACITY

# 1,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Optional Top Plate 60: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Optional Top Plate 75: 6" x 7"	4.62 x 5.5	0.5"

### 51 SERIES TOP PLATE



# KINGPINLESS STYLE 51 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	1.50	Forged Steel	1,400	5.62	3.58	1.50	<a href="#">51-04101-20-1</a>	7.25
4	2.00	Phenolic Resin	800	5.62	3.64	1.50	<a href="#">51-04201-30-1</a>	7.50
4	2.00	Cast Iron	1,000	5.62	3.64	1.50	<a href="#">51-04201-10-1</a>	7.50
4	2.00	Standard Polyurethane	700	5.62	3.64	1.50	<a href="#">51-04201-60-1</a>	7.50
4	2.00	H.D. T/R Polyurethane	600	5.62	3.64	1.50	<a href="#">51-04201-66-1</a>	7.50
4	2.00	Mold On Rubber	350	5.62	3.64	1.50	<a href="#">51-04201-70-1</a>	8.20
5	2.00	Forged Steel	1,500	6.50	4.37	1.75	<a href="#">51-05201-20-1</a>	10.20
5	2.00	Cast Iron	1,200	6.50	4.37	1.75	<a href="#">51-05201-10-1</a>	9.20
5	2.00	Phenolic Resin	1,000	6.50	4.37	1.75	<a href="#">51-05201-30-1</a>	8.50
5	2.00	Standard Polyurethane	1,050	6.50	4.37	1.75	<a href="#">51-05201-60-1</a>	10.00
5	2.00	T/R Polyurethane	850	6.50	4.37	1.75	<a href="#">51-05201-61-1</a>	10.00
5	2.00	Mold On Rubber	400	6.50	4.37	1.75	<a href="#">51-05201-70-1</a>	10.00
6	2.00	Forged Steel	1,500	7.50	5.34	2.25	<a href="#">51-06201-20-1</a>	13.50
6	2.00	Cast Iron	1,200	7.50	5.34	2.25	<a href="#">51-06201-10-1</a>	13.00
6	2.00	Phenolic Resin	1,200	7.50	5.34	2.25	<a href="#">51-06201-30-1</a>	9.50
6	2.00	Standard Polyurethane	1,200	7.50	5.34	2.25	<a href="#">51-06201-60-1</a>	12.00
6	2.00	T/R Polyurethane	1,000	7.50	5.34	2.25	<a href="#">51-06201-61-1</a>	12.00
6	2.00	Mold On Rubber	425	7.50	5.34	2.25	<a href="#">51-06201-70-1</a>	12.00
8	2.00	Cast Iron	1,500	10.12	6.33	2.25	<a href="#">51-08201-10-1</a>	16.50
8	2.00	Phenolic Resin	1,400	10.12	6.33	2.25	<a href="#">51-08201-30-1</a>	12.00
8	2.00	Standard Polyurethane	1,500	10.12	6.33	2.25	<a href="#">51-08201-60-1</a>	14.00
8	2.00	T/R Polyurethane	1,200	10.12	6.33	2.25	<a href="#">51-08201-61-1</a>	14.00
8	2.00	Mold On Rubber	500	10.12	6.33	2.25	<a href="#">51-08201-70-1</a>	14.00

## PRECISION BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	1.50	Forged Steel	1,400	5.62	3.58	1.50	<a href="#">51-04109-20-1</a> †	7.25
4	2.00	Standard Polyurethane	700	5.62	3.64	1.50	<a href="#">51-04204-60-1</a> *	7.50
4	2.00	H.D. T/R Polyurethane	600	5.62	3.64	1.50	<a href="#">51-04202-66-1</a>	7.50
5	2.00	Forged Steel	1,500	6.50	4.37	1.75	<a href="#">51-05209-20-1</a> †	10.20
5	2.00	Standard Polyurethane	1,050	6.50	4.37	1.75	<a href="#">51-05202-60-1</a>	10.00
5	2.00	T/R Polyurethane	850	6.50	4.37	1.75	<a href="#">51-05202-61-1</a>	10.00
6	2.00	Forged Steel	1,500	7.50	5.34	2.25	<a href="#">51-06209-20-1</a> †	13.50
6	2.00	Standard Polyurethane	1,200	7.50	5.34	2.25	<a href="#">51-06202-60-1</a>	12.00
6	2.00	T/R Polyurethane	1,000	7.50	5.34	2.25	<a href="#">51-06202-61-1</a>	12.00
8	2.00	Standard Polyurethane	1,500	10.12	6.33	2.25	<a href="#">51-08202-60-1</a>	14.00
8	2.00	T/R Polyurethane	1,200	10.12	6.33	2.25	<a href="#">51-08202-61-1</a>	14.00

Capacity listed for manual operation. For powered operations consult factory.

Part numbers listed are for the swivel caster. For rigid casters, change series to 50 and change the last digit from 1 to 2 (ie: 50-06201-60-2).

Estimated weight is for the swivel caster, deduct 20% of swivel caster weight for rigid caster.

† This caster has tapered bearings. \* This caster has annular ball bearings.

All dimensions are in inches. All weights are in pounds.

# KINGPINLESS STYLE 55 SERIES



## FEATURES

**Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.

**Legs:** 1/4" x 2" steel and continuously welded on the inside and outside of the yoke base.

**Kingpin:** Kingpinless style design.

**Axle:** 1/2" diameter.

**Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.

**Wheels:** 4" to 8" diameter wheels are available with sealed precision ball bearings.

**Finish:** Clear zinc plating.

### MAXIMUM CAPACITY

# 1,000 lbs.

## APPLICATIONS

Excellent for production racks and fixtures, parts bins, conveyor systems, and other applications where maintenance-free casters and ergonomics are concerns.

## BENEFITS

The 55 Series is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The smooth rotation and extended lead help lower ergonomic forces.

## OPTIONS

### BRAKES

Cam: ..... C\*<sup>^</sup>  
 Poly Lock: ..... P\*  
 Face Contact: ..... F

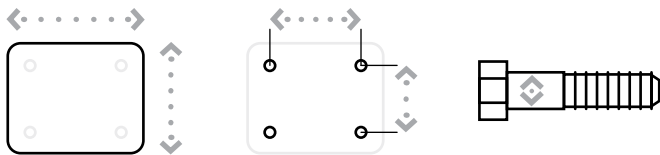
### SWIVEL LOCKS

Factory Installed: ..... L  
 Demountable: ..... DL  
 Foot Actuated: ..... KL

**TOE GUARD:** ..... TG

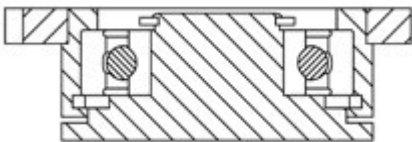
\* For wheels with a diameter > 6"

^ Not compatible with TWERGO® wheels



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"

### 55 SERIES TOP PLATE



# KINGPINLESS STYLE 55 SERIES

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	2.00	T/R Polyurethane	600	5.63	4.12	2.00	<a href="#">55-04204-61-1*</a>	8.02
4	2.00	T/R-95 Polyurethane	1,000	5.63	4.12	2.00	<a href="#">55-04204-91-1*</a>	8.02
4	2.00	HPPT Polyurethane	1,000	5.63	4.12	2.00	<a href="#">55-04204-90-1*</a>	8.02
4	2.00	T/R Polyurethane	600	5.63	4.12	2.00	<a href="#">55-04202-93-1</a>	8.02
4	2.00	T/R-95 Polyurethane	1,000	5.63	4.12	2.00	<a href="#">55-04202-94-1</a>	8.02
4	2.00	ErgoTread	570	5.63	4.12	2.00	<a href="#">55-04202-44-1</a>	8.02
5	2.00	T/R Polyurethane	840	6.50	4.61	2.00	<a href="#">55-05202-61-1</a>	10.25
5	2.00	T/R-95 Polyurethane	1,000	6.50	4.61	2.00	<a href="#">55-05202-91-1</a>	10.25
5	2.00	HPPT Polyurethane	1,000	6.50	4.61	2.00	<a href="#">55-05202-90-1</a>	10.25
5	2.00	T/R Polyurethane	840	6.50	4.61	2.00	<a href="#">55-05202-93-1</a>	7.70
5	2.00	T/R-95 Polyurethane	1,000	6.50	4.61	2.00	<a href="#">55-05202-94-1</a>	7.70
5	2.00	ErgoTread	800	6.50	4.61	2.00	<a href="#">55-05202-44-1</a>	7.70
6	2.00	T/R Polyurethane	960	7.50	5.10	2.00	<a href="#">55-06202-61-1</a>	10.88
6	2.00	T/R-95 Polyurethane	1,000	7.50	5.10	2.00	<a href="#">55-06202-91-1</a>	10.88
6	2.00	HPPT Polyurethane	1,000	7.50	5.10	2.00	<a href="#">55-06202-90-1</a>	10.88
6	2.00	T/R Polyurethane	960	7.50	5.10	2.00	<a href="#">55-06202-93-1</a>	8.25
6	2.00	T/R-95 Polyurethane	1,000	7.50	5.10	2.00	<a href="#">55-06202-94-1</a>	8.25
6	2.00	ErgoTread	910	7.50	5.10	2.00	<a href="#">55-06202-44-1</a>	8.25
8	2.00	T/R Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55-08202-61-1</a>	14.02
8	2.00	T/R-95 Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55-08202-91-1</a>	14.02
8	2.00	HPPT Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55-08202-90-1</a>	14.02
8	2.00	T/R Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55-08202-93-1</a>	10.10
8	2.00	T/R-95 Polyurethane	1,000	10.13	6.08	2.00	<a href="#">55-08202-94-1</a>	10.10
8	2.00	ErgoTread	1,000	10.13	6.08	2.00	<a href="#">55-08202-44-1</a>	10.10

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster.

For rigid casters, change series to 50 and change the last digit from 1 to 2 (i.e. 50-08202-61-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

\* This caster has annular ball bearings

All dimensions are in inches. All weights are in pounds.

CONTINUED

# KINGPINLESS STYLE 55 SERIES

## PRECISION BEARING (Extended Swivel Lead Casters)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	2.00	T/R Polyurethane	600	5.63	5.34	3.25	<a href="#">55EXT-04204-61-1*</a>	8.33
4	2.00	T/R-95 Polyurethane	1,000	5.63	5.34	3.25	<a href="#">55EXT-04204-91-1*</a>	8.33
4	2.00	HPPT Polyurethane	1,000	5.63	5.34	3.25	<a href="#">55EXT-04204-90-1*</a>	8.33
4	2.00	ErgoTread	570	5.63	5.34	3.25	<a href="#">55EXT-04204-44-1*</a>	7.03
4	2.00	T/R Polyurethane	600	5.63	5.34	3.25	<a href="#">55EXT-04204-93-1*</a>	7.03
4	2.00	T/R-95 Polyurethane	1,000	5.63	5.34	3.25	<a href="#">55EXT-04204-94-1*</a>	7.03
5	2.00	T/R Polyurethane	840	6.50	5.84	3.25	<a href="#">55EXT-05202-61-1</a>	10.54
5	2.00	T/R-95 Polyurethane	1,000	6.50	5.84	3.25	<a href="#">55EXT-05202-91-1</a>	10.54
5	2.00	HPPT Polyurethane	1,000	6.50	5.84	3.25	<a href="#">55EXT-05202-90-1</a>	10.54
5	2.00	ErgoTread	800	6.50	5.84	3.25	<a href="#">55EXT-05202-44-1</a>	7.99
5	2.00	T/R Polyurethane	840	6.50	5.84	3.25	<a href="#">55EXT-05202-93-1</a>	7.99
5	2.00	T/R-95 Polyurethane	1,000	6.50	5.84	3.25	<a href="#">55EXT-05202-94-1</a>	7.99
6	2.00	T/R Polyurethane	960	7.50	6.33	3.25	<a href="#">55EXT-06202-61-1</a>	11.14
6	2.00	T/R-95 Polyurethane	1,000	7.50	6.33	3.25	<a href="#">55EXT-06202-91-1</a>	11.14
6	2.00	HPPT Polyurethane	1,000	7.50	6.33	3.25	<a href="#">55EXT-06202-90-1</a>	11.14
6	2.00	ErgoTread	910	7.50	6.33	3.25	<a href="#">55EXT-06202-44-1</a>	8.51
6	2.00	T/R Polyurethane	960	7.50	6.33	3.25	<a href="#">55EXT-06202-93-1</a>	8.51
6	2.00	T/R-95 Polyurethane	1,000	7.50	6.33	3.25	<a href="#">55EXT-06202-94-1</a>	8.51
8	2.00	T/R Polyurethane	1,000	10.13	7.32	3.25	<a href="#">55EXT-08202-61-1</a>	14.23
8	2.00	T/R-95 Polyurethane	1,000	10.13	7.32	3.25	<a href="#">55EXT-08202-91-1</a>	14.23
8	2.00	HPPT Polyurethane	1,000	10.13	7.32	3.25	<a href="#">55EXT-08202-90-1</a>	14.23
8	2.00	ErgoTread	1,000	10.13	7.32	3.25	<a href="#">55EXT-08202-44-1</a>	10.30
8	2.00	T/R Polyurethane	1,000	10.13	7.32	3.25	<a href="#">55EXT-08202-93-1</a>	10.30
8	2.00	T/R-95 Polyurethane	1,000	10.13	7.32	3.25	<a href="#">55EXT-08202-94-1</a>	10.30

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster. For rigid casters, change series to 50 and change the last digit from 1 to 2 (i.e. 50-08202-61-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

\* This caster has annular ball bearings

All dimensions are in inches. All weights are in pounds.



## HEAVY DUTY 57 SERIES CASTERS

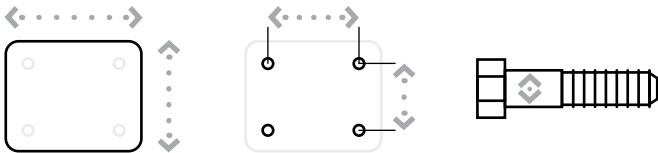


# KINGPINLESS STYLE 57 SERIES



## MAXIMUM CAPACITY

# 1,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

## 57 SERIES TOP PLATE



## FEATURES

**Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.

**Legs:** 1/4" x 2" steel and continuously welded on the inside and outside of the yoke base.

**Kingpin:** Kingpinless style design.

**Axle:** 1/2" diameter.

**Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.

**Wheels:** 6" to 10" diameter wheels are available with sealed precision ball bearings.

**Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for production racks and fixtures, parts bins, conveyor systems, and other applications where maintenance-free casters and ergonomics are concerns.

## BENEFITS

The 57 Series is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The smooth rotation and extended lead help lower ergonomic forces.

## OPTIONS

### BRAKES

Cam: ..... C\*<sup>^</sup>  
Poly Lock: ..... P\*  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Foot Actuated: ..... KL

**TOE GUARD:** ..... TG

\* For wheels with a diameter > 6"

^ Not compatible with TWERGO® wheels

# KINGPINLESS STYLE 57 SERIES

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.00	T/R Polyurethane	960	8.31	5.84	2.75	<a href="#">57-06202-61-1</a>	12.00
6	2.00	ErgoTread	760	8.31	5.84	2.75	<a href="#">57-06202-43-1</a>	12.00
6	2.00	T/R-95 Polyurethane	1,400	8.31	5.84	2.75	<a href="#">57-06202-91-1</a>	12.00
6	2.00	Standard Polyurethane	1,000	8.31	5.84	2.75	<a href="#">57-06202-50-1</a>	12.00
6	2.00	T/R Polyurethane	800	8.31	5.84	2.75	<a href="#">57-06202-51-1</a>	12.00
6	2.00	Hard Polyurethane (70D)	1,000	8.31	5.84	2.75	<a href="#">57-06202-53-1</a>	12.00
6	2.00	T/R-95 Polyurethane	1,100	8.31	5.84	2.75	<a href="#">57-06202-56-1</a>	12.00
6	2.00	HPPT Polyurethane	1,500	8.31	5.84	2.75	<a href="#">57-06202-90-1</a>	12.00
6	2.00	T/R Polyurethane	960	8.31	5.84	2.75	<a href="#">57-06202-93-1</a>	12.00
6	2.00	T/R-95 Polyurethane	1,400	8.31	5.84	2.75	<a href="#">57-06202-94-1</a>	12.00
6	2.00	ErgoTread	910	8.31	5.84	2.75	<a href="#">57-06202-44-1</a>	12.00
8	2.00	T/R Polyurethane	1,240	10.13	6.82	2.75	<a href="#">57-08202-61-1</a>	16.00
8	2.00	ErgoTread	760	10.13	6.82	2.75	<a href="#">57-08202-43-1</a>	16.00
8	2.00	T/R-95 Polyurethane	1,500	10.13	6.82	2.75	<a href="#">57-08202-91-1</a>	16.00
8	2.00	Standard Polyurethane	1,000	10.13	6.82	2.75	<a href="#">57-08202-50-1</a>	16.00
8	2.00	T/R Polyurethane	800	10.13	6.82	2.75	<a href="#">57-08202-51-1</a>	16.00
8	2.00	Hard Polyurethane (70D)	1,000	10.13	6.82	2.75	<a href="#">57-08202-53-1</a>	16.00
8	2.00	T/R-95 Polyurethane	1,100	10.13	6.82	2.75	<a href="#">57-08202-56-1</a>	16.00
8	2.00	HPPT Polyurethane	1,500	10.13	6.82	2.75	<a href="#">57-08202-90-1</a>	16.00
8	2.00	T/R Polyurethane	1,240	10.13	6.82	2.75	<a href="#">57-08202-93-1</a>	16.00
8	2.00	T/R-95 Polyurethane	1,500	10.13	6.82	2.75	<a href="#">57-08202-94-1</a>	16.00
8	2.00	ErgoTread	1,180	10.13	6.82	2.75	<a href="#">57-08202-44-1</a>	16.00
10	2.00	T/R Polyurethane	1,500	12.50	8.06	3.00	<a href="#">57-10202-93-1</a>	14.67
10	2.00	ErgoTread	1,500	12.50	8.06	3.00	<a href="#">57-10202-44-1</a>	14.67
10	2.00	T/R-95 Polyurethane	1,500	12.50	8.06	3.00	<a href="#">57-10202-94-1</a>	14.67
10	2.00	T/R Polyurethane	1,400	12.50	8.06	3.00	<a href="#">57-10202-46-1</a>	14.67
10	2.00	ErgoTread	1,500	12.50	8.06	3.00	<a href="#">57-10202-42-1</a>	14.67
10	2.00	T/R-95 Polyurethane	1,500	12.50	8.06	3.00	<a href="#">57-10202-47-1</a>	14.67

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster.

For rigid casters, change the last digit from 1 to 2 (i.e. 57-08202-60-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# KINGPINLESS STYLE 57 SERIES

## PRECISION BEARING (Extended Swivel Lead Casters)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.00	T/R Polyurethane	960	8.31	6.58	3.50	<a href="#">57EXT-06202-61-1</a>	14.07
6	2.00	T/R-95 Polyurethane	1,200	8.31	6.58	3.50	<a href="#">57EXT-06202-91-1</a>	14.07
6	2.00	HPPT Polyurethane	1,200	8.31	6.58	3.50	<a href="#">57EXT-06202-90-1</a>	14.07
6	2.00	ErgoTread	910	8.31	6.58	3.50	<a href="#">57EXT-06202-44-1</a>	11.20
6	2.00	T/R Polyurethane	960	8.31	6.58	3.50	<a href="#">57EXT-06202-93-1</a>	11.20
6	2.00	T/R-95 Polyurethane	1,400	8.31	6.58	3.50	<a href="#">57EXT-06202-94-1</a>	11.20
8	2.00	T/R Polyurethane	1,200	10.13	7.57	3.50	<a href="#">57EXT-08202-61-1</a>	16.94
8	2.00	T/R-95 Polyurethane	1,200	10.13	7.57	3.50	<a href="#">57EXT-08202-91-1</a>	16.94
8	2.00	HPPT Polyurethane	1,200	10.13	7.57	3.50	<a href="#">57EXT-08202-90-1</a>	16.94
8	2.00	ErgoTread	1,180	10.13	7.57	3.50	<a href="#">57EXT-08202-44-1</a>	13.11
8	2.00	T/R Polyurethane	1,240	10.13	7.57	3.50	<a href="#">57EXT-08202-93-1</a>	13.11
8	2.00	T/R-95 Polyurethane	1,500	10.13	7.57	3.50	<a href="#">57EXT-08202-94-1</a>	13.11
10	2.00	T/R Polyurethane	1,500	12.50	8.56	3.50	<a href="#">57EXT-10202-61-1</a>	14.75
10	2.00	T/R-95 Polyurethane	1,500	12.50	8.56	3.50	<a href="#">57EXT-10202-91-1</a>	14.75
10	2.00	ErgoTread	1,500	12.50	8.56	3.50	<a href="#">57EXT-10202-44-1</a>	14.75
10	2.00	T/R Polyurethane	1,500	12.50	8.56	3.50	<a href="#">57EXT-10202-93-1</a>	14.75
10	2.00	T/R-95 Polyurethane	1,500	12.50	8.56	3.50	<a href="#">57EXT-10202-94-1</a>	14.75

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster.

For rigid casters, change the last digit from 1 to 2 (i.e. 57-08202-60-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

HEAVY DUTY  
**61 SERIES CASTERS**



# KINGPINLESS STYLE 61 SERIES



## FEATURES

- Swivel Section:** A high alloy steel swivel section features a precision machined and through hardened 3-1/4" diameter raceway with 1/2" inch ball bearings.
- Legs:** 5/16" x 2-1/2" legs are formed and continuously welded inside and outside to the yoke base.
- Kingpin:** Kingpinless style design.
- Axle:** 3/4" diameter.
- Lubrication:** Pre-lubricated before shipping.
- Wheels:** 4" to 12" diameter wheels are available.
- Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for light powered applications, bakery dough troughs, portable work benches, platform trucks, tow lines, utility carts, tooling fixtures, scrap metal carriers, drywall dollies, gantry cranes, automated guided vehicles, fiberglass lay-up molds, and other applications.

## BENEFITS

The 61 Series kingpinless style swivel bearings act as both load and thrust components and lock the swivel section together to distribute the load over a larger area. The single ball race design provides easy maneuverability and longevity under high load situations.

## OPTIONS

### BRAKES

- Cam: ..... C\*
- Poly Lock: ..... P\*
- Wrap Around: ..... W\*
- Dual Side: ..... DS
- Single Side: ..... SS
- Face Contact: ..... F

### SWIVEL LOCKS

- Factory Installed: ..... L
- Demountable: ..... DL
- Foot Actuated: ..... KL
- Passive: ..... PL

**SEALED SWIVEL SECTION** ..... SSW

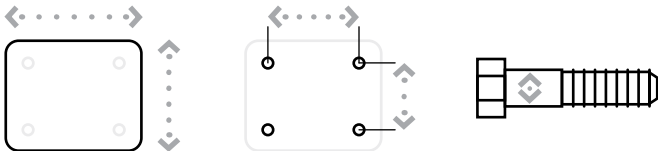
**SEALED WHEELS** ..... SW

**TOE GUARD** ..... TG

\* For wheels with a diameter > 6"  
^ Only available on roller bearing wheels.

### MAXIMUM CAPACITY

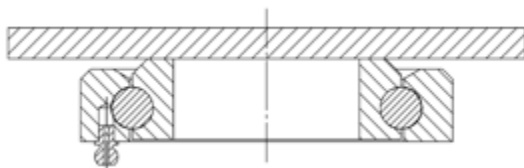
# 3,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Optional Top Plate 75: 6" x 7"	4.625" x 5.5"	0.5"
Optional Top Plate 80: 6" x 7.5"	4.5" x 6"	0.5"

Note: OT 80 will increase OAH by 1/8"

### 61 SERIES TOP PLATE



# KINGPINLESS STYLE 61 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	3.00	Cast Iron	2,000	5.62	3.81	1.50	<a href="#">61-04301-10-1</a>	18.00
4	3.25	Standard Polyurethane	1,200	5.62	3.86	1.50	<a href="#">61-04321-60-1</a>	16.00
5	2.50	Cast Iron	2,000	6.50	4.43	1.75	<a href="#">61-05251-10-1</a>	20.00
5	2.50	Standard Polyurethane	1,325	6.50	4.43	1.75	<a href="#">61-05251-60-1</a>	20.00
5	3.00	Standard Polyurethane	1,550	6.50	4.51	1.75	<a href="#">61-05301-60-1</a>	22.00
6	2.50	Cast Iron	2,500	7.50	5.40	2.25	<a href="#">61-06251-10-1</a>	22.50
6	2.50	Forged Steel	3,500	7.50	5.40	2.25	<a href="#">61-06251-20-1</a>	22.00
6	2.50	Phenolic Resin	1,600	7.50	5.40	2.25	<a href="#">61-06251-30-1</a>	14.50
6	2.50	Standard Polyurethane	1,625	7.50	5.40	2.25	<a href="#">61-06251-60-1</a>	26.00
6	2.50	Mold On Rubber	550	7.50	5.40	2.25	<a href="#">61-06251-70-1</a>	24.00
6	3.00	Cast Iron	2,500	7.50	5.46	2.25	<a href="#">61-06301-10-1</a>	23.00
6	3.00	Phenolic Resin	2,000	7.50	5.46	2.25	<a href="#">61-06301-30-1</a>	17.00
6	3.00	Standard Polyurethane	2,050	7.50	5.46	2.25	<a href="#">61-06301-60-1</a>	15.00
6	3.00	H.D. Standard Polyurethane	2,450	7.50	5.46	2.25	<a href="#">61-06301-65-1</a>	14.50
6	3.00	Mold On Rubber	675	7.50	5.46	2.25	<a href="#">61-06301-70-1</a>	23.00
8	2.50	Phenolic Resin	2,000	10.12	6.37	2.25	<a href="#">61-08251-30-1</a>	17.00
8	2.50	Standard Polyurethane	2,050	10.12	6.37	2.25	<a href="#">61-08251-60-1</a>	23.00
8	2.50	H.D. T/R Polyurethane	1,640	10.12	6.37	2.25	<a href="#">61-08251-66-1</a>	25.00
8	2.50	Mold On Rubber	670	10.12	6.37	2.25	<a href="#">61-08251-70-1</a>	19.00
8	3.00	Forged Steel	3,500	10.12	6.43	2.25	<a href="#">61-08301-20-1</a>	29.00
8	3.00	Cast Iron	3,500	10.12	6.43	2.25	<a href="#">61-08301-10-1</a>	39.00
8	3.00	Phenolic Resin	2,500	10.12	6.43	2.25	<a href="#">61-08301-30-1</a>	19.00
8	3.00	Standard Polyurethane	2,520	10.12	6.43	2.25	<a href="#">61-08301-60-1</a>	27.00
8	3.00	H.D. Standard Polyurethane	3,100	10.12	6.43	2.25	<a href="#">61-08301-65-1</a>	25.00
8	3.00	H.D. T/R Polyurethane	2,500	10.12	6.43	2.25	<a href="#">61-08301-66-1</a>	25.00
8	3.00	Mold On Rubber	840	10.12	6.43	2.25	<a href="#">61-08301-70-1</a>	24.00
10	3.00	Cast Iron	3,500	11.50	8.14	3.00	<a href="#">61-10301-10-1</a>	42.00
10	3.00	Phenolic Resin	2,900	11.50	8.14	3.00	<a href="#">61-10301-30-1</a>	21.00
10	3.00	Standard Polyurethane	3,000	11.50	8.14	3.00	<a href="#">61-10301-60-1</a>	32.00
10	3.00	H.D. Standard Polyurethane	3,500	11.50	8.14	3.00	<a href="#">61-10301-65-1</a>	37.00
10	3.00	H.D. T/R Polyurethane	2,750	11.50	8.14	3.00	<a href="#">61-10301-66-1</a>	37.00
10	3.00	Mold On Rubber	1,000	11.50	8.14	3.00	<a href="#">61-10301-70-1</a>	37.00
12	3.00	Phenolic Resin	3,500	13.50	9.12	3.00	<a href="#">61-12301-30-1</a>	30.00
12	3.00	Standard Polyurethane	3,500	13.50	9.12	3.00	<a href="#">61-12301-60-1</a>	41.00
12	3.00	Mold On Rubber	1,125	13.50	9.12	3.00	<a href="#">61-12301-70-1</a>	32.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster.

For rigid casters, change series to 65 and change the last digit from 1 to 2 (i.e. 65-10309-60-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

\*These casters have precision ball bearings.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# KINGPINLESS STYLE 61 SERIES

## PRECISION BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	3.00	Cast Iron	2,000	5.62	3.81	1.50	<a href="#">61-04309-10-1</a>	18.00
4	3.25	Standard Polyurethane	1,200	5.62	3.86	1.50	<a href="#">61-04329-60-1</a>	16.00
5	2.50	Cast Iron	2,000	6.50	4.43	1.75	<a href="#">61-05259-10-1</a>	20.00
5	2.50	Standard Polyurethane	1,325	6.50	4.43	1.75	<a href="#">61-05259-60-1</a>	20.00
5	3.00	Standard Polyurethane	1,550	6.50	4.51	1.75	<a href="#">61-05309-60-1</a>	22.00
6	2.50	Cast Iron	2,500	7.50	5.40	2.25	<a href="#">61-06259-10-1</a>	22.50
6	2.50	Forged Steel	3,500	7.50	5.40	2.25	<a href="#">61-06259-20-1</a>	22.00
6	2.50	Phenolic Resin	1,600	7.50	5.40	2.25	<a href="#">61-06259-30-1</a>	14.50
6	2.50	Standard Polyurethane	1,625	7.50	5.40	2.25	<a href="#">61-06259-60-1</a>	26.00
6	2.50	Mold On Rubber	550	7.50	5.40	2.25	<a href="#">61-06259-70-1</a>	24.00
6	3.00	Cast Iron	2,500	7.50	5.46	2.25	<a href="#">61-06309-10-1</a>	23.00
6	3.00	Phenolic Resin	2,000	7.50	5.46	2.25	<a href="#">61-06309-30-1</a>	17.00
6	3.00	Standard Polyurethane	2,050	7.50	5.46	2.25	<a href="#">61-06309-60-1</a>	15.00
6	3.00	H.D. Standard Polyurethane	2,450	7.50	5.46	2.25	<a href="#">61-06309-65-1</a>	14.50
6	3.00	T/R Polyurethane	1,640	7.50	5.46	2.25	<a href="#">61-06302-61-1*</a>	14.50
6	3.00	Mold On Rubber	675	7.50	5.46	2.25	<a href="#">61-06309-70-1</a>	23.00
8	2.50	Phenolic Resin	2,000	10.12	6.37	2.25	<a href="#">61-08259-30-1</a>	17.00
8	2.50	Standard Polyurethane	2,050	10.12	6.37	2.25	<a href="#">61-08259-60-1</a>	23.00
8	2.50	H.D. T/R Polyurethane	1,640	10.12	6.37	2.25	<a href="#">61-08259-66-1</a>	25.00
8	2.50	Mold On Rubber	670	10.12	6.37	2.25	<a href="#">61-08259-70-1</a>	19.00
8	3.00	Forged Steel	3,500	10.12	6.43	2.25	<a href="#">61-08309-20-1</a>	29.00
8	3.00	Cast Iron	3,500	10.12	6.43	2.25	<a href="#">61-08309-10-1</a>	39.00
8	3.00	Phenolic Resin	2,500	10.12	6.43	2.25	<a href="#">61-08309-30-1</a>	19.00
8	3.00	Standard Polyurethane	2,520	10.12	6.43	2.25	<a href="#">61-08309-60-1</a>	27.00
8	3.00	T/R Polyurethane	2,000	10.12	6.43	2.25	<a href="#">61-08302-61-1*</a>	27.00
8	3.00	H.D. Standard Polyurethane	3,100	10.12	6.43	2.25	<a href="#">61-08309-65-1</a>	25.00
8	3.00	H.D. T/R Polyurethane	2,500	10.12	6.43	2.25	<a href="#">61-08309-66-1</a>	25.00
8	3.00	Mold On Rubber	840	10.12	6.43	2.25	<a href="#">61-08309-70-1</a>	24.00
10	3.00	Cast Iron	3,500	11.50	8.14	3.00	<a href="#">61-10309-10-1</a>	42.00
10	3.00	Phenolic Resin	2,900	11.50	8.14	3.00	<a href="#">61-10309-30-1</a>	21.00
10	3.00	Standard Polyurethane	3,000	11.50	8.14	3.00	<a href="#">61-10309-60-1</a>	32.00
10	3.00	T/R Polyurethane	2,400	11.50	8.14	3.00	<a href="#">61-10302-61-1*</a>	32.00
10	3.00	H.D. Standard Polyurethane	3,500	11.50	8.14	3.00	<a href="#">61-10309-65-1</a>	37.00
10	3.00	H.D. T/R Polyurethane	2,750	11.50	8.14	3.00	<a href="#">61-10309-66-1</a>	37.00
10	3.00	Mold On Rubber	1,000	11.50	8.14	3.00	<a href="#">61-10309-70-1</a>	37.00
12	3.00	Phenolic Resin	3,500	13.50	9.12	3.00	<a href="#">61-12309-30-1</a>	30.00
12	3.00	Standard Polyurethane	3,500	13.50	9.12	3.00	<a href="#">61-12309-60-1</a>	41.00
12	3.00	Mold On Rubber	1,125	13.50	9.12	3.00	<a href="#">61-12309-70-1</a>	32.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster. For rigid casters, change series to 65 and change the last digit from 1 to 2 (i.e. 65-10309-60-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

\*These casters have precision ball bearings.

All dimensions are in inches. All weights are in pounds.



## HEAVY DUTY 71 SERIES CASTERS

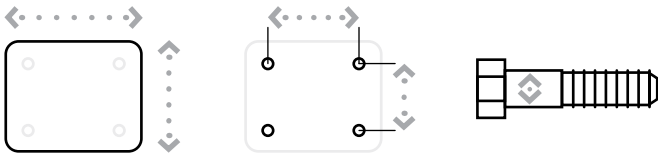


# KINGPINLESS STYLE 71 SERIES



## MAXIMUM CAPACITY

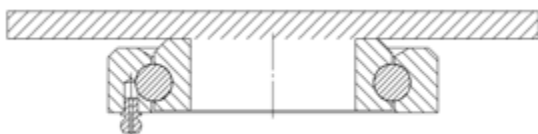
# 4,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Optional Top Plate 60: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Optional Top Plate 75: 6" x 7"	4.625" x 5.5"	0.5"
Optional Top Plate 80: 6" x 7.5"	4.5" x 6"	0.5"

Note: OT 80 will increase OAH by 1/8"

## 71 SERIES TOP PLATE



## FEATURES

**Swivel Section:** High alloy steel swivel section features a precision machined and through hardened 3-1/4" diameter raceway.

**Legs:** 5/16" x 3" legs are formed and continuously welded inside and outside to the yoke base.

**Kingpin:** Kingpinless style design.

**Axle:** 3/4" bolt and locking nut.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 4" to 12" wheels are available.

**Finish:** Clear zinc plating.

## APPLICATIONS

Suited for medium duty towing applications where shock loads are present. In addition, they may be used for dough troughs, high capacity die tables, machinery dollies, corrugated steel box trucks, heavy portable storage racks, mobile military equipment, aircraft maintenance stands, and aircraft crew stairs.

## BENEFITS

The 71 Series is our heaviest offering in the fabricated single ball race caster. These swivel bearings act as both load and thrust components and lock the swivel section together to distribute the load over a larger area. Because of the unique fabrication of the swivel section, various top plate options can be utilized.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
 Wrap Around: ..... W\*  
 Dual Side: ..... DS  
 Single Side: ..... SS  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Demountable: ..... DL  
 Foot Actuated: ..... KL  
 Passive: ..... PL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

\* For wheels with a diameter > 6"

^ Only available on roller bearing wheels.

# KINGPINLESS STYLE 71 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
4	3.00	Cast Iron	2,000	6.00	4.27	2.00	<a href="#">71-04301-10-1</a>	20.00
4	3.25	Standard Polyurethane	1,200	6.00	4.32	2.00	<a href="#">71-04321-60-1</a>	17.00
5	2.50	Cast Iron	2,000	7.00	4.91	2.25	<a href="#">71-05251-10-1</a>	24.00
5	3.00	Standard Polyurethane	1,550	7.00	4.98	2.25	<a href="#">71-05301-60-1</a>	23.00
6	2.50	Cast Iron	2,500	8.00	5.40	2.25	<a href="#">71-06251-10-1</a>	27.00
6	2.50	Forged Steel	4,000	8.00	5.40	2.25	<a href="#">71-06251-20-1</a>	25.00
6	3.00	Cast Iron	2,500	8.00	5.46	2.25	<a href="#">71-06301-10-1</a>	25.00
6	3.00	Phenolic Resin	2,000	8.00	5.46	2.25	<a href="#">71-06301-30-1</a>	19.00
6	3.00	Standard Polyurethane	2,050	8.00	5.46	2.25	<a href="#">71-06301-60-1</a>	21.00
6	3.00	H.D. Standard Polyurethane	2,450	8.00	5.46	2.25	<a href="#">71-06301-65-1</a>	23.00
6	3.00	H.D. T/R Polyurethane	2,050	8.00	5.46	2.25	<a href="#">71-06301-66-1</a>	23.00
6	3.00	Mold On Rubber	675	8.00	5.46	2.25	<a href="#">71-06301-70-1</a>	24.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	<a href="#">71-08301-10-1</a>	34.00
8	3.00	Forged Steel	4,500	10.50	6.67	2.50	<a href="#">71-08301-20-1</a>	34.00
8	3.00	Phenolic Resin	2,500	10.50	6.67	2.50	<a href="#">71-08301-30-1</a>	22.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">71-08301-60-1</a>	30.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">71-08301-65-1</a>	34.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">71-08301-66-1</a>	34.00
8	3.00	Mold On Rubber	840	10.50	6.67	2.50	<a href="#">71-08301-70-1</a>	27.00
10	3.00	Cast Iron	3,500	12.50	8.14	3.00	<a href="#">71-10301-10-1</a>	40.00
10	3.00	Forged Steel	4,500	12.50	8.14	3.00	<a href="#">71-10301-20-1</a>	43.00
10	3.00	Phenolic Resin	2,900	12.50	8.14	3.00	<a href="#">71-10301-30-1</a>	25.00
10	3.00	Standard Polyurethane	3,000	12.50	8.14	3.00	<a href="#">71-10301-60-1</a>	35.00
10	3.00	H.D. Standard Polyurethane	3,500	12.50	8.14	3.00	<a href="#">71-10301-65-1</a>	40.00
10	3.00	H.D. T/R Polyurethane	2,750	12.50	8.14	3.00	<a href="#">71-10301-66-1</a>	40.00
12	3.00	Phenolic Resin	3,500	15.50	9.12	3.00	<a href="#">71-12301-30-1</a>	30.00
12	3.00	Standard Polyurethane	3,500	15.50	9.12	3.00	<a href="#">71-12301-60-1</a>	25.00
12	3.00	Mold On Rubber	1,125	15.50	9.12	3.00	<a href="#">71-12301-70-1</a>	25.00

Part Numbers listed are for the swivel casters.

For rigid casters, change series to 70 and change the last digit from 1 to 2 (i.e. 70-06301-60-2)

\*These casters have precision ball bearings.

Capacity listed is for manual operation. For powered operations, consult factory.

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# KINGPINLESS STYLE 71 SERIES

## PRECISION BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
5	2.50	Cast Iron	2,000	7.00	4.91	2.25	<a href="#">71-05259-10-1</a>	24.00
5	3.00	Standard Polyurethane	1,550	7.00	4.98	2.25	<a href="#">71-05309-60-1</a>	23.00
6	2.50	Cast Iron	2,500	8.00	5.40	2.25	<a href="#">71-06259-10-1</a>	27.00
6	2.50	Forged Steel	4,000	8.00	5.40	2.25	<a href="#">71-06259-20-1</a>	25.00
6	3.00	Cast Iron	2,500	8.00	5.46	2.25	<a href="#">71-06309-10-1</a>	25.00
6	3.00	Phenolic Resin	2,000	8.00	5.46	2.25	<a href="#">71-06309-30-1</a>	19.00
6	3.00	Standard Polyurethane	2,050	8.00	5.46	2.25	<a href="#">71-06309-60-1</a>	21.00
6	3.00	T/R Polyurethane	1,640	8.00	5.46	2.25	<a href="#">71-06302-61-1*</a>	21.00
6	3.00	H.D. Standard Polyurethane	2,450	8.00	5.46	2.25	<a href="#">71-06309-65-1</a>	23.00
6	3.00	H.D. T/R Polyurethane	2,050	8.00	5.46	2.25	<a href="#">71-06309-66-1</a>	23.00
6	3.00	Mold On Rubber	675	8.00	5.46	2.25	<a href="#">71-06309-70-1</a>	24.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	<a href="#">71-08309-10-1</a>	34.00
8	3.00	Forged Steel	4,500	10.50	6.67	2.50	<a href="#">71-08309-20-1</a>	34.00
8	3.00	Phenolic Resin	2,500	10.50	6.67	2.50	<a href="#">71-08309-30-1</a>	22.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">71-08309-60-1</a>	30.00
8	3.00	T/R Polyurethane	2,000	10.50	6.67	2.50	<a href="#">71-08302-61-1*</a>	30.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">71-08309-65-1</a>	34.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">71-08309-66-1</a>	34.00
8	3.00	Mold On Rubber	840	10.50	6.67	2.50	<a href="#">71-08309-70-1</a>	27.00
10	3.00	Cast Iron	3,500	12.50	8.14	3.00	<a href="#">71-10309-10-1</a>	40.00
10	3.00	Forged Steel	4,500	12.50	8.14	3.00	<a href="#">71-10309-20-1</a>	43.00
10	3.00	Phenolic Resin	2,900	12.50	8.14	3.00	<a href="#">71-10309-30-1</a>	25.00
10	3.00	Standard Polyurethane	3,000	12.50	8.14	3.00	<a href="#">71-10309-60-1</a>	35.00
10	3.00	T/R Polyurethane	2,400	12.50	8.14	3.00	<a href="#">71-10302-61-1*</a>	35.00
10	3.00	H.D. Standard Polyurethane	3,500	12.50	8.14	3.00	<a href="#">71-10309-65-1</a>	40.00
10	3.00	H.D. T/R Polyurethane	2,750	12.50	8.14	3.00	<a href="#">71-10309-66-1</a>	40.00
12	3.00	Phenolic Resin	3,500	15.50	9.12	3.00	<a href="#">71-12309-30-1</a>	30.00
12	3.00	Standard Polyurethane	3,500	15.50	9.12	3.00	<a href="#">71-12309-60-1</a>	25.00
12	3.00	Mold On Rubber	1,125	15.50	9.12	3.00	<a href="#">71-12309-70-1</a>	25.00

\*These casters have precision ball bearings.

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 70 and change the last digit from 1 to 2 (i.e. 70-06301-60-2)

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.



## EXTRA HEAVY DUTY 77 SERIES CASTERS

# KINGPINLESS STYLE 77 SERIES



## FEATURES

- Swivel Section:** Sealed dual row ball bearings.
- Legs:** 3/8 inch x 2.75 inch laser cut from mild steel, CNC formed and continuously welded on the inside and outside of the yoke base.
- Kingpin:** Kingpinless style design
- Axle:** 3/4 inch diameter, zinc plated, fine threads.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.
- Wheel Diameter:** 6" to 12" diameter wheels are available with sealed precision ball bearings.
- Finish:** Clear zinc plating.

## APPLICATIONS

Excellent for production racks (power transported, manually handled and mobile fixtures), parts bins, conveyor system, and other applications where maintenance-free casters and ergonomics are concerns.

## OPTIONS

### BRAKES

- Poly Lock: ..... P
- Face Contact: ..... F

### SWIVEL LOCKS

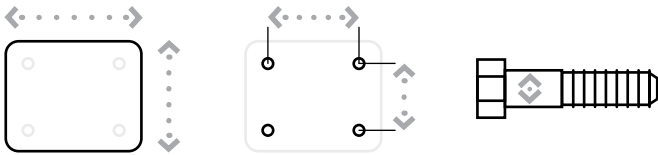
- Factory Installed: ..... L
- Demountable: ..... DL

**TOE GUARD:**..... TG

*\* For wheels with a diameter > 6"*

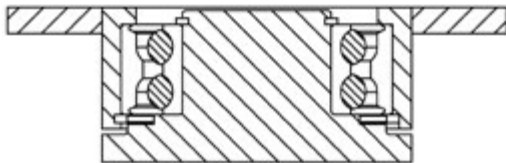
### MAXIMUM CAPACITY

# 3,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"

### 77 SERIES TOP PLATE



# KINGPINLESS STYLE 77 SERIES

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	T/R Polyurethane	1,640	8.50	6.67	3.50	<a href="#">77-06302-61-1</a>	20.39
6	3.00	T/R-95 Polyurethane	2,070	8.50	6.67	3.50	<a href="#">77-06302-91-1</a>	20.39
6	3.00	HPPT Polyurethane	2,300	8.50	6.67	3.50	<a href="#">77-06302-90-1</a>	20.39
6	3.00	T/R Polyurethane	1,640	8.50	6.67	3.50	<a href="#">77-06302-93-1</a>	17.40
6	3.00	T/R-95 Polyurethane	2,070	8.50	6.67	3.50	<a href="#">77-06302-94-1</a>	17.40
6	3.00	ErgoTread	1,560	8.50	6.67	3.50	<a href="#">77-06302-44-1</a>	17.40
8	3.00	T/R Polyurethane	2,000	10.50	7.65	3.50	<a href="#">77-08302-61-1</a>	29.96
8	3.00	T/R-95 Polyurethane	2,800	10.50	7.65	3.50	<a href="#">77-08302-91-1</a>	29.96
8	3.00	HPPT Polyurethane	3,100	10.50	7.65	3.50	<a href="#">77-08302-90-1</a>	29.96
8	3.00	T/R Polyurethane	2,000	10.50	7.65	3.50	<a href="#">77-08302-93-1</a>	20.25
8	3.00	T/R-95 Polyurethane	2,800	10.50	7.65	3.50	<a href="#">77-08302-94-1</a>	20.25
8	3.00	ErgoTread	1,900	10.50	7.65	3.50	<a href="#">77-08302-44-1</a>	20.25
10	3.00	T/R Polyurethane	2,400	12.50	8.63	3.50	<a href="#">77-10302-61-1</a>	36.09
10	3.00	T/R-95 Polyurethane	3,100	12.50	8.63	3.50	<a href="#">77-10302-91-1</a>	36.09
10	3.00	HPPT Polyurethane	3,450	12.50	8.63	3.50	<a href="#">77-10302-90-1</a>	36.09
10	3.00	T/R Polyurethane	2,400	12.50	8.63	3.50	<a href="#">77-10302-93-1</a>	22.63
10	3.00	T/R-95 Polyurethane	3,100	12.50	8.63	3.50	<a href="#">77-10302-94-1</a>	22.63
10	3.00	ErgoTread	2,280	12.50	8.63	3.50	<a href="#">77-10302-44-1</a>	22.63
12	3.00	T/R Polyurethane	2,800	15.50	9.92	3.50	<a href="#">77-12302-61-1</a>	53.97
12	3.00	T/R-95 Polyurethane	3,400	15.50	9.92	3.50	<a href="#">77-12302-91-1</a>	53.97
12	3.00	HPPT Polyurethane	3,800	15.50	9.92	3.50	<a href="#">77-12302-90-1</a>	53.97
12	3.00	T/R Polyurethane	2,800	15.50	9.92	3.50	<a href="#">77-12302-93-1</a>	26.19
12	3.00	T/R-95 Polyurethane	3,400	15.50	9.92	3.50	<a href="#">77-12302-94-1</a>	26.19
12	3.00	ErgoTread	2,660	15.50	9.92	3.50	<a href="#">77-12302-44-1</a>	26.19

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel caster. For rigid casters, change the last digit from 1 to 2 (i.e. 77-08202-60-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

# EXTRA HEAVY DUTY 80 SERIES



## FEATURES

**Swivel Section:** Drop forged from C-1045 steel with 5" diameter, precision machined load raceway. A 1-1/4" tapered thrust bearing completes the precision fit.

**Legs:** 3/8" x 4" formed and continuously welded both inside and outside.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut.

**Axle:** 1", Grade 5 axle.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 6" to 12" diameter wheels.

**Finish:** Gold Powder Coat

## APPLICATIONS

Die carts, automotive plants, steel mills, production line delivery trailers, fiberglass lay up molds, stamping racks, aircraft maintenance, aircraft crew stairs, trash gondolas and other aircraft ground support equipment.

## BENEFITS

The 80 Series has a ball load swivel that delivers high capacity at a good value. The raceways are heat treated to eliminate brinelling of the surface when the casters are subjected to shock loads. The exceptional strength of the 80 Series makes it an ideal choice for rugged applications. These casters are built around automotive industry standards. Please consult factory.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
Wrap Around: ..... W\*  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Heavy Duty Demountable: ..... DHDL  
Heavy Duty: ..... HDL  
Demountable: ..... DL  
Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

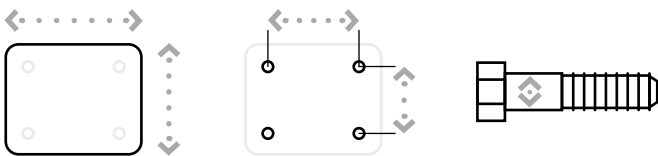
\* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

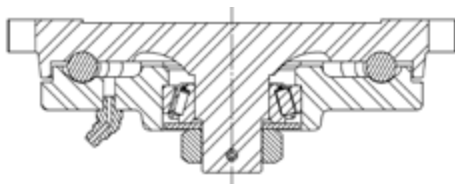
### MAXIMUM CAPACITY

# 5,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 6" x 7.5"	4.5" x 6"	0.5"
OT-CJ: Optional Top Plate Columbus Jack 6" x 7.5"	4.625" x 5.5"	0.5"

### 80 SERIES TOP PLATE



# EXTRA HEAVY DUTY 80 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	4,000	8.50	5.64	2.50	<a href="#">80-06251-20-1</a>	38.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	<a href="#">80-06301-65-1</a>	40.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	<a href="#">80-06301-60-1</a>	37.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	<a href="#">80-06301-35-1</a>	30.00
6	3.00	Forged Steel	5,000	8.50	5.70	2.50	<a href="#">80-06301-20-1</a>	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	<a href="#">80-06301-10-1</a>	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	<a href="#">80-06401-65-1</a>	36.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	<a href="#">80-08301-70-1</a>	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">80-08301-66-1</a>	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">80-08301-60-1</a>	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">80-08301-65-1</a>	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	<a href="#">80-08301-35-1</a>	32.00
8	3.00	Forged Steel	5,000	10.50	6.67	2.50	<a href="#">80-08301-20-1</a>	44.00
8	3.00	Cast Iron	4,500	10.50	6.67	2.50	<a href="#">80-08301-11-1</a>	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	<a href="#">80-08401-60-1</a>	48.00
8	4.00	Forged Steel	5,000	10.50	6.80	2.50	<a href="#">80-08401-20-1</a>	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	<a href="#">80-10301-70-1</a>	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	<a href="#">80-10301-66-1</a>	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	<a href="#">80-10301-60-1</a>	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	<a href="#">80-10301-65-1</a>	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	<a href="#">80-10301-35-1</a>	36.00
10	3.00	H.D. Forged Steel	5,000	12.50	7.65	2.50	<a href="#">80-10301-21-1</a>	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	<a href="#">80-10301-11-1</a>	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	<a href="#">80-10401-70-1</a>	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	<a href="#">80-10401-60-1</a>	55.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	<a href="#">80-10401-65-1</a>	60.00
10	4.00	Forged Steel	5,000	12.50	7.76	2.50	<a href="#">80-10401-20-1</a>	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	<a href="#">80-12301-70-1</a>	55.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	<a href="#">80-12301-66-1</a>	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	<a href="#">80-12301-65-1</a>	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	<a href="#">80-12301-60-1</a>	53.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">80-12401-70-1</a>	58.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">80-12401-66-1</a>	70.00
12	4.00	H.D. Standard Polyurethane	5,000	15.50	8.73	2.50	<a href="#">80-12401-65-1</a>	70.00
12	4.00	H.D. Hard Polyurethane (70D)	5,000	15.50	8.73	2.50	<a href="#">80-12401-67-1</a>	53.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [80-10309-70-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# EXTRA HEAVY DUTY 80 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	5,000	8.50	5.64	2.50	<a href="#">80-06259-20-1</a>	38.00
6	3.00	H.D. T/R Polyurethane	1,640	8.50	5.70	2.50	<a href="#">80-06309-66-1</a>	37.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	<a href="#">80-06309-65-1</a>	40.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	<a href="#">80-06309-60-1</a>	37.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	<a href="#">80-06309-35-1</a>	30.00
6	3.00	Forged Steel	5,000	8.50	5.70	2.50	<a href="#">80-06309-20-1</a>	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	<a href="#">80-06309-10-1</a>	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	<a href="#">80-06409-65-1</a>	36.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	<a href="#">80-08309-70-1</a>	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">80-08309-66-1</a>	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">80-08309-60-1</a>	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">80-08309-65-1</a>	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	<a href="#">80-08309-35-1</a>	32.00
8	3.00	Forged Steel	5,000	10.50	6.67	2.50	<a href="#">80-08309-20-1</a>	44.00
8	3.00	Cast Iron	4,500	10.50	6.67	2.50	<a href="#">80-08309-11-1</a>	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	<a href="#">80-08409-60-1</a>	48.00
8	4.00	Forged Steel	5,000	10.50	6.80	2.50	<a href="#">80-08409-20-1</a>	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	<a href="#">80-10309-70-1</a>	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	<a href="#">80-10309-66-1</a>	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	<a href="#">80-10309-60-1</a>	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	<a href="#">80-10309-65-1</a>	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	<a href="#">80-10309-35-1</a>	36.00
10	3.00	H.D. Forged Steel	5,000	12.50	7.65	2.50	<a href="#">80-10309-21-1</a>	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	<a href="#">80-10309-11-1</a>	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	<a href="#">80-10409-70-1</a>	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	<a href="#">80-10409-60-1</a>	55.00
10	4.00	H.D. T/R Polyurethane	4,000	12.50	7.76	2.50	<a href="#">80-10409-66-1</a>	60.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	<a href="#">80-10409-65-1</a>	60.00
10	4.00	Forged Steel	5,000	12.50	7.76	2.50	<a href="#">80-10409-20-1</a>	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	<a href="#">80-12309-70-1</a>	55.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	<a href="#">80-12309-66-1</a>	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	<a href="#">80-12309-65-1</a>	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	<a href="#">80-12309-60-1</a>	53.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">80-12409-70-1</a>	58.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">80-12409-66-1</a>	70.00
12	4.00	H.D. Standard Polyurethane	5,000	15.50	8.73	2.50	<a href="#">80-12409-65-1</a>	70.00
12	4.00	H.D. Hard Polyurethane (70D)	5,000	15.50	8.73	2.50	<a href="#">80-12409-67-1</a>	53.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [80-10309-70-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.



## KINGPINLESS STYLE 81 SERIES CASTERS

# KINGPINLESS STYLE 81 SERIES



## FEATURES

**Swivel Section:** Constructed from drop forged C-1045 steel. The swivel section features a large precision machined 4" single ball bearing load/thrust raceway. The unique raceway places the 3/4" diameter load/thrust ball bearings in shear, locking the swivel section together.

**Legs:** 3/8" x 4" formed and continuously welded both inside and outside.

**Kingpin:** Kingpinless style design.

**Axle:** 1", Grade 5 axle.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 6" to 12" diameter wheels.

**Finish:** Gold Powder Coat.

**Standard:** Shielded swivel.

## APPLICATIONS

Suitable for power drawn applications, fiberglass mold dollies, aircraft wing and spar tooling, machinery, engine and paint line dollies, body dolly carts, material carts, chassis rack carts, towed trash gondolas, aircraft maintenance stands, production line delivery trailers and automated guided vehicles.

## BENEFITS

The 81 Series kingpinless style casters feature a unique single ball race design. This design provides a high strength swivel section that will swivel easily under extremely heavy loads.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
 Wrap Around: ..... W\*  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Heavy Duty: ..... HDL  
 Heavy Duty Demountable: ..... DHDL  
 Demountable: ..... DL  
 Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

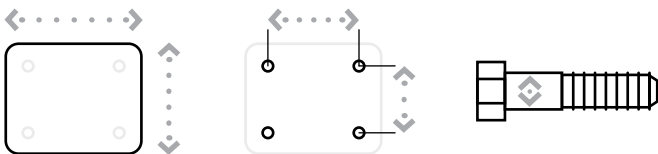
\* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

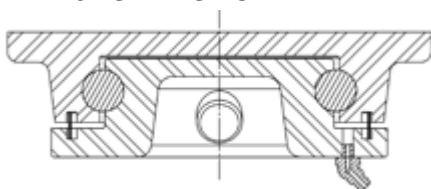
MAXIMUM CAPACITY

**10,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 6.25" x 7.63"	4.5" x 6"	0.5"

81 SERIES TOP PLATE



# KINGPINLESS STYLE 81 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	4,000	8.50	5.64	2.50	<a href="#">81-06251-20-1</a>	38.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	<a href="#">81-06301-60-1</a>	37.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	<a href="#">81-06301-65-1</a>	40.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	<a href="#">81-06301-35-1</a>	30.00
6	3.00	Forged Steel	6,000	8.50	5.70	2.50	<a href="#">81-06301-20-1</a>	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	<a href="#">81-06301-10-1</a>	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	<a href="#">81-06401-65-1</a>	40.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	<a href="#">81-08301-70-1</a>	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">81-08301-66-1</a>	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">81-08301-60-1</a>	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">81-08301-65-1</a>	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	<a href="#">81-08301-35-1</a>	32.00
8	3.00	Forged Steel	4,500	10.50	6.67	2.50	<a href="#">81-08301-20-1</a>	44.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	<a href="#">81-08301-11-1</a>	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	<a href="#">81-08401-60-1</a>	48.00
8	4.00	Forged Steel	8,400	10.50	6.80	2.50	<a href="#">81-08401-20-1</a>	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	<a href="#">81-10301-70-1</a>	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	<a href="#">81-10301-66-1</a>	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	<a href="#">81-10301-60-1</a>	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	<a href="#">81-10301-65-1</a>	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	<a href="#">81-10301-35-1</a>	36.00
10	3.00	H.D. Forged Steel	5,000	12.50	7.65	2.50	<a href="#">81-10301-21-1</a>	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	<a href="#">81-10301-11-1</a>	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	<a href="#">81-10401-70-1</a>	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	<a href="#">81-10401-60-1</a>	55.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	<a href="#">81-10401-65-1</a>	60.00
10	4.00	Forged Steel	8,400	12.50	7.76	2.50	<a href="#">81-10401-20-1</a>	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	<a href="#">81-12301-70-1</a>	55.00
12	3.00	Ductile Iron	6,500	15.50	8.63	2.50	<a href="#">81-12301-12-1</a>	70.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	<a href="#">81-12301-66-1</a>	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	<a href="#">81-12301-65-1</a>	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	<a href="#">81-12301-60-1</a>	53.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">81-12401-70-1</a>	58.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">81-12401-12-1</a>	70.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">81-12401-66-1</a>	70.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">81-12401-65-1</a>	70.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">81-12401-67-1</a>	70.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. [80-12409-70-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# KINGPINLESS STYLE 81 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	5,000	8.50	5.64	2.50	<a href="#">81-06259-20-1</a>	38.00
6	3.00	H.D. T/R Polyurethane	1,640	8.50	5.70	2.50	<a href="#">81-06309-66-1</a>	37.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	<a href="#">81-06309-60-1</a>	37.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	<a href="#">81-06309-65-1</a>	40.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	<a href="#">81-06309-35-1</a>	30.00
6	3.00	Forged Steel	10,000	8.50	5.70	2.50	<a href="#">81-06309-20-1</a>	45.00
6	3.00	Cast Iron	9,000	8.50	5.70	2.50	<a href="#">81-06309-10-1</a>	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	<a href="#">81-06409-65-1</a>	40.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	<a href="#">81-08309-70-1</a>	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">81-08309-66-1</a>	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">81-08309-60-1</a>	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">81-08309-65-1</a>	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	<a href="#">81-08309-35-1</a>	32.00
8	3.00	Forged Steel	5,500	10.50	6.67	2.50	<a href="#">81-08309-20-1</a>	44.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	<a href="#">81-08309-11-1</a>	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	<a href="#">81-08409-60-1</a>	48.00
8	4.00	Forged Steel	10,000	10.50	6.80	2.50	<a href="#">81-08409-20-1</a>	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	<a href="#">81-10309-70-1</a>	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	<a href="#">81-10309-66-1</a>	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	<a href="#">81-10309-60-1</a>	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	<a href="#">81-10309-65-1</a>	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	<a href="#">81-10309-35-1</a>	36.00
10	3.00	H.D. Forged Steel	6,500	12.50	7.65	2.50	<a href="#">81-10309-21-1</a>	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	<a href="#">81-10309-11-1</a>	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	<a href="#">81-10409-70-1</a>	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	<a href="#">81-10409-60-1</a>	55.00
10	4.00	H.D. T/R Polyurethane	4,000	12.50	7.76	2.50	<a href="#">81-10409-66-1</a>	60.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	<a href="#">81-10409-65-1</a>	60.00
10	4.00	Forged Steel	10,000	12.50	7.76	2.50	<a href="#">81-10409-20-1</a>	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	<a href="#">81-12309-70-1</a>	55.00
12	3.00	Ductile Iron	6,500	15.50	8.63	2.50	<a href="#">81-12309-12-1</a>	70.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	<a href="#">81-12309-66-1</a>	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	<a href="#">81-12309-65-1</a>	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	<a href="#">81-12309-60-1</a>	53.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">81-12409-70-1</a>	58.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">81-12409-12-1</a>	70.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">81-12409-66-1</a>	70.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">81-12409-65-1</a>	70.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">81-12409-67-1</a>	70.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. [80-12409-70-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.



## EXTRA HEAVY DUTY **85 SERIES CASTERS**

# EXTRA HEAVY DUTY 85 SERIES



## FEATURES

**Swivel Section:** Constructed from hot forged C-1045 steel, the swivel section features a large precision machined raceway, with a precision tapered load and tapered thrust bearing.

**Legs:** 3/8" x 4" legs are formed and continuously welded both inside and outside.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut.

**Axle:** 1", Grade 5 axle.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 6" to 12" diameter wheels.

**Finish:** Gold Powder Coat.

## APPLICATIONS

Applications may include high capacity die tables, die carts, towed trailers, aerospace industry, steel mills, gantries, automated guided vehicles and aircraft maintenance applications.

## BENEFITS

The tapered load bearing and thrust bearing enhance the precision nature of this caster creating a swivel section with the highest load carrying capacity for its class. The 85 Series delivers an exceptionally tight tolerance fit. Additionally, the integrally forged kingpin and slotted adjusting nut add strength and longevity to the life of the swivel section.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
 Wrap Around: ..... W\*  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Heavy Duty Demountable: ..... DHDL  
 Heavy Duty: ..... HDL  
 Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

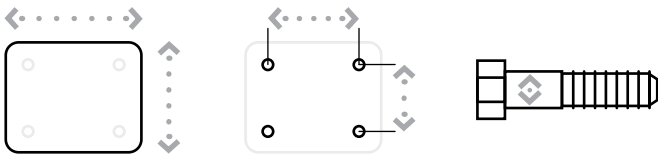
*\* For wheels with a diameter > 6"*

*Contact the factory for special overall heights and finishes.*

*DUAL WHEEL DESIGN AVAILABLE*

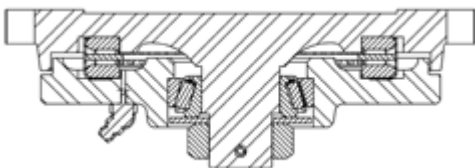
MAXIMUM CAPACITY

**10,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 6" x 7.5"	4.5" x 6"	0.5"

85 SERIES TOP PLATE



# EXTRA HEAVY DUTY 85 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	4,000	8.50	5.64	2.50	<a href="#">85-06251-20-1</a>	38.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	<a href="#">85-06301-65-1</a>	40.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	<a href="#">85-06301-60-1</a>	37.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	<a href="#">85-06301-35-1</a>	30.00
6	3.00	Forged Steel	6,000	8.50	5.70	2.50	<a href="#">85-06301-20-1</a>	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	<a href="#">85-06301-10-1</a>	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	<a href="#">85-06401-65-1</a>	36.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	<a href="#">85-08301-70-1</a>	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">85-08301-66-1</a>	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">85-08301-60-1</a>	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">85-08301-65-1</a>	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	<a href="#">85-08301-35-1</a>	32.00
8	3.00	Forged Steel	4,500	10.50	6.67	2.50	<a href="#">85-08301-20-1</a>	44.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	<a href="#">85-08301-10-1</a>	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	<a href="#">85-08401-60-1</a>	48.00
8	4.00	Forged Steel	8,400	10.50	6.80	2.50	<a href="#">85-08401-20-1</a>	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	<a href="#">85-10301-70-1</a>	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	<a href="#">85-10301-66-1</a>	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	<a href="#">85-10301-60-1</a>	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	<a href="#">85-10301-65-1</a>	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	<a href="#">85-10301-35-1</a>	36.00
10	3.00	H.D. Forged Steel	5,000	12.50	7.65	2.50	<a href="#">85-10301-21-1</a>	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	<a href="#">85-10301-11-1</a>	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	<a href="#">85-10401-70-1</a>	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	<a href="#">85-10401-60-1</a>	55.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	<a href="#">85-10401-65-1</a>	60.00
10	4.00	Forged Steel	8,400	12.50	7.76	2.50	<a href="#">85-10401-20-1</a>	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	<a href="#">85-12301-70-1</a>	55.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	<a href="#">85-12301-66-1</a>	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	<a href="#">85-12301-65-1</a>	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	<a href="#">85-12301-60-1</a>	55.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">85-12401-70-1</a>	58.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">85-12401-66-1</a>	70.00
12	4.00	H.D. Standard Polyurethane	5,000	15.50	8.73	2.50	<a href="#">85-12401-65-1</a>	70.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">85-12401-12-1</a>	90.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. [80-12409-70-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# EXTRA HEAVY DUTY 85 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	5,000	8.50	5.64	2.50	<a href="#">85-06259-20-1</a>	38.00
6	3.00	H.D. T/R Polyurethane	1,640	8.50	5.70	2.50	<a href="#">85-06309-66-1</a>	37.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	<a href="#">85-06309-65-1</a>	40.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	<a href="#">85-06309-60-1</a>	37.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	<a href="#">85-06309-35-1</a>	30.00
6	3.00	Forged Steel	10,000	8.50	5.70	2.50	<a href="#">85-06309-20-1</a>	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	<a href="#">85-06309-10-1</a>	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	<a href="#">85-06409-65-1</a>	36.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	<a href="#">85-08309-70-1</a>	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	<a href="#">85-08309-66-1</a>	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	<a href="#">85-08309-60-1</a>	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	<a href="#">85-08309-65-1</a>	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	<a href="#">85-08309-35-1</a>	32.00
8	3.00	Forged Steel	5,500	10.50	6.67	2.50	<a href="#">85-08309-20-1</a>	44.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	<a href="#">85-08309-10-1</a>	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	<a href="#">85-08409-60-1</a>	48.00
8	4.00	Forged Steel	10,000	10.50	6.80	2.50	<a href="#">85-08409-20-1</a>	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	<a href="#">85-10309-70-1</a>	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	<a href="#">85-10309-66-1</a>	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	<a href="#">85-10309-60-1</a>	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	<a href="#">85-10309-65-1</a>	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	<a href="#">85-10309-35-1</a>	36.00
10	3.00	H.D. Forged Steel	6,500	12.50	7.65	2.50	<a href="#">85-10309-21-1</a>	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	<a href="#">85-10309-11-1</a>	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	<a href="#">85-10409-70-1</a>	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	<a href="#">85-10409-60-1</a>	55.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	<a href="#">85-10409-65-1</a>	60.00
10	4.00	Forged Steel	10,000	12.50	7.76	2.50	<a href="#">85-10409-20-1</a>	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	<a href="#">85-12309-70-1</a>	55.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	<a href="#">85-12309-66-1</a>	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	<a href="#">85-12309-65-1</a>	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	<a href="#">85-12309-60-1</a>	55.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">85-12409-70-1</a>	58.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">85-12409-66-1</a>	70.00
12	4.00	H.D. Standard Polyurethane	5,000	15.50	8.73	2.50	<a href="#">85-12409-65-1</a>	70.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">85-12409-12-1</a>	90.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. [80-12409-70-2](#))

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.



## EXTRA HEAVY DUTY 87 SERIES CASTERS

# EXTRA HEAVY DUTY 87 SERIES



## FEATURES

- Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.
- Legs:** 3/8" x 3" steel, formed and continuously welded on the inside and outside to the yoke base.
- Kingpin:** 1" Alloy Steel Kingpin.
- Axle:** 1" Diameter Axle.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.
- Wheels:** 6" to 12" diameter wheels.
- Finish:** Gold Powder Coat.

## APPLICATIONS

Suitable for power drawn applications, Automated Guided Vehicles (AGV's), aircraft wing and spar tooling, material carts, chassis rack carts, and aircraft maintenance stands.

## BENEFITS

The 87 Series is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The smooth rotation and extended lead help lower ergonomic forces.

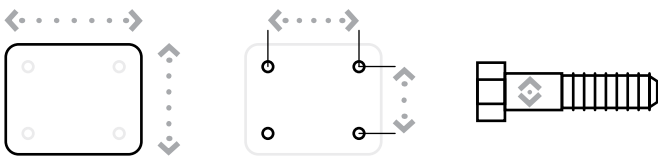
## OPTIONS

- BRAKES**
- Poly Lock: ..... P\*
- Face Contact: ..... F
- SWIVEL LOCKS**
- Factory Installed: ..... L
- Demountable: ..... DL
- Foot Actuated: ..... KL
- TOE GUARD** ..... TG

*\* For wheels with a diameter > 6"  
Contact the factory for special overall heights and finishes.  
DUAL WHEEL DESIGN AVAILABLE*

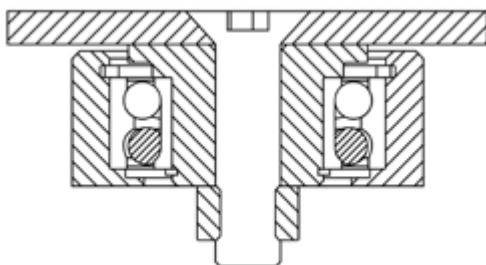
MAXIMUM CAPACITY

# 5,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 6" x 7.5"	4.5" x 6"	0.5"

87 SERIES TOP PLATE



# EXTRA HEAVY DUTY 87 SERIES

## PRECISION BALL BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	T/R Polyurethane	1,640	9.50	6.18	3.00	<a href="#">87-06302-61-1</a>	36.59
6	3.00	T/R-95 Polyurethane	2,070	9.50	6.18	3.00	<a href="#">87-06302-91-1</a>	36.59
6	3.00	HPPT Polyurethane	2,300	9.50	6.18	3.00	<a href="#">87-06302-90-1</a>	36.59
6	3.00	T/R Polyurethane	1,640	9.50	6.18	3.00	<a href="#">87-06302-93-1</a>	29.18
6	3.00	T/R-95 Polyurethane	2,070	9.50	6.18	3.00	<a href="#">87-06302-94-1</a>	29.18
8	3.00	T/R Polyurethane	2,000	11.50	7.16	3.00	<a href="#">87-08302-61-1</a>	41.83
8	3.00	T/R-95 Polyurethane	2,800	11.50	7.16	3.00	<a href="#">87-08302-91-1</a>	41.83
8	3.00	HPPT Polyurethane	3,100	11.50	7.16	3.00	<a href="#">87-08302-90-1</a>	41.83
8	3.00	T/R Polyurethane	2,000	11.50	7.16	3.00	<a href="#">87-08302-93-1</a>	31.97
8	3.00	T/R-95 Polyurethane	2,800	11.50	7.16	3.00	<a href="#">87-08302-94-1</a>	31.97
10	3.00	T/R Polyurethane	2,400	13.50	8.14	3.00	<a href="#">87-10302-61-1</a>	47.07
10	3.00	T/R-95 Polyurethane	3,100	13.50	8.14	3.00	<a href="#">87-10302-91-1</a>	47.07
10	3.00	HPPT Polyurethane	3,450	13.50	8.14	3.00	<a href="#">87-10302-90-1</a>	47.07
10	3.00	T/R Polyurethane	2,400	13.50	8.14	3.00	<a href="#">87-10302-93-1</a>	33.78
10	3.00	T/R-95 Polyurethane	3,100	13.50	8.14	3.00	<a href="#">87-10302-94-1</a>	33.78
12	3.00	T/R Polyurethane	2,800	15.75	9.12	3.00	<a href="#">87-12302-61-1</a>	54.09
12	3.00	T/R-95 Polyurethane	3,400	15.75	9.12	3.00	<a href="#">87-12302-91-1</a>	54.09
12	3.00	HPPT Polyurethane	3,800	15.75	9.12	3.00	<a href="#">87-12302-90-1</a>	54.09
12	3.00	T/R Polyurethane	2,800	15.75	9.12	3.00	<a href="#">87-12302-93-1</a>	37.34
12	3.00	T/R-95 Polyurethane	3,400	15.75	9.12	3.00	<a href="#">87-12302-94-1</a>	37.34

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. 87-12409-70-2)

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

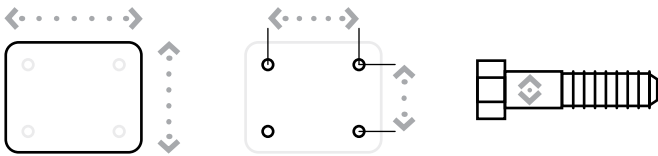
All dimensions are in inches. All weights are in pounds.

# EXTRA HEAVY DUTY 90 SERIES



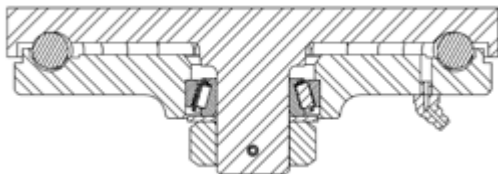
MAXIMUM CAPACITY

# 8,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 8.5" x 8.5"	7" x 7"	.625"

90 SERIES TOP PLATE



## FEATURES

**Swivel Section:** Constructed of hot forged C-1045 steel with a 7" diameter machined load raceway featuring 5/8" diameter ball bearings with 1-1/4" tapered thrust bearing.

**Legs:** 1/2" x 4" legs formed and continuously welded both inside and outside for greater strength.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut.

**Axle:** 1-1/4", Grade 5.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 6" to 18" diameter wheels, 3" to 5" widths.

**Finish:** Gold Powder Coat.

## APPLICATIONS

The 90 Series are used for power drawn equipment, stamping racks, trash gondolas, material delivery trailers, and towed trailers. These casters are also widely used on aircraft ground support equipment, in automotive plants and within steel mills.

## BENEFITS

The 90 Series bearing raceways are precision machined and then through hardened to eliminate brinelling of the surface when the caster is subjected to shock loads. A 1-1/4" tapered thrust bearing completes the precision fit of the raceway. This caster provides high load capacity at a good value.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
 Wrap Around: ..... W\*  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Heavy Duty Demountable: ..... DHDL  
 Heavy Duty: ..... HDL  
 Foot Actuated: ..... KL  
 Demountable: ..... DL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

\* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

# EXTRA HEAVY DUTY 90 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	Forged Steel	5,500	9.00	5.46	2.25	<a href="#">90-06301-20-1</a>	60.00
6	4.00	H.D. Standard Polyurethane	3,000	9.00	5.61	2.25	<a href="#">90-06401-65-1</a>	50.00
8	3.00	H.D. Cast Iron	4,500	11.00	6.43	2.25	<a href="#">90-08301-11-1</a>	65.00
8	4.00	Forged Steel	8,000	11.00	6.56	2.25	<a href="#">90-08401-20-1</a>	73.00
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">90-08401-60-1</a>	63.00
10	3.00	H.D. Forged Steel	6,000	13.00	7.65	2.50	<a href="#">90-10301-21-1</a>	62.00
10	3.00	Cast Iron	4,000	13.00	7.65	2.50	<a href="#">90-10301-11-1</a>	61.00
10	4.00	Forged Steel	8,000	13.00	7.76	2.50	<a href="#">90-10401-20-1</a>	83.00
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">90-10401-60-1</a>	59.00
10	4.00	H.D. Polyurethane	5,000	13.00	7.76	2.50	<a href="#">90-10401-65-1</a>	68.00
10	4.00	Mold On Rubber	1,500	13.00	7.76	2.50	<a href="#">90-10401-70-1</a>	66.00
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">90-10501-65-1</a>	68.00
10	5.00	H.D. Hard Polyurethane (70D)	7,200	13.00	7.91	2.50	<a href="#">90-10501-67-1</a>	68.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.68	2.50	<a href="#">90-12301-65-1</a>	57.00
12	3.50	Phenolic Resin	4,000	15.50	8.68	2.50	<a href="#">90-12351-30-1</a>	60.00
12	3.50	Mold On Rubber	1,350	15.50	8.68	2.50	<a href="#">90-12351-70-1</a>	63.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">90-12401-65-1</a>	75.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">90-12401-66-1</a>	75.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">90-12401-67-1</a>	75.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">90-12401-70-1</a>	71.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">90-12401-12-1</a>	90.00
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">90-12501-65-1</a>	90.00
12	5.00	H.D. Hard Polyurethane (70D)	7,500	15.50	8.86	2.50	<a href="#">90-12501-67-1</a>	90.00
12	5.00	Mold On Rubber	1,850	15.50	8.86	2.50	<a href="#">90-12501-70-1</a>	88.00
12	5.00	Ductile Iron	8,000	15.50	8.86	2.50	<a href="#">90-12501-12-1</a>	120.00
16	4.00	Laminated Phenolic	8,000	19.00	11.18	3.00	<a href="#">90-16401-35-1</a>	80.00
16	4.00	Cast Iron	5,900	19.00	11.18	3.00	<a href="#">90-16401-10-1</a>	105.00
16	4.00	H.D. Standard Polyurethane	5,900	19.00	11.18	3.00	<a href="#">90-16401-65-1</a>	109.00
16	4.00	Mold On Rubber	5,900	19.00	11.18	3.00	<a href="#">90-16401-70-1</a>	106.00
16	5.00	H.D. Standard Polyurethane	5,900	19.00	11.28	3.00	<a href="#">90-16501-65-1</a>	115.00
16	5.00	H.D. Hard Polyurethane (70D)	5,900	19.00	11.28	3.00	<a href="#">90-16501-67-1</a>	115.00
18	5.00	H.D. Standard Polyurethane	5,900	21.00	13.24	4.00	<a href="#">90-18501-65-1</a>	115.00
18	5.00	H.D. Hard Polyurethane (70D)	5,900	21.00	13.24	4.00	<a href="#">90-18501-67-1</a>	115.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 90-10309-70-2)

Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# EXTRA HEAVY DUTY 90 SERIES

## PRECISION TAPERED BEARING

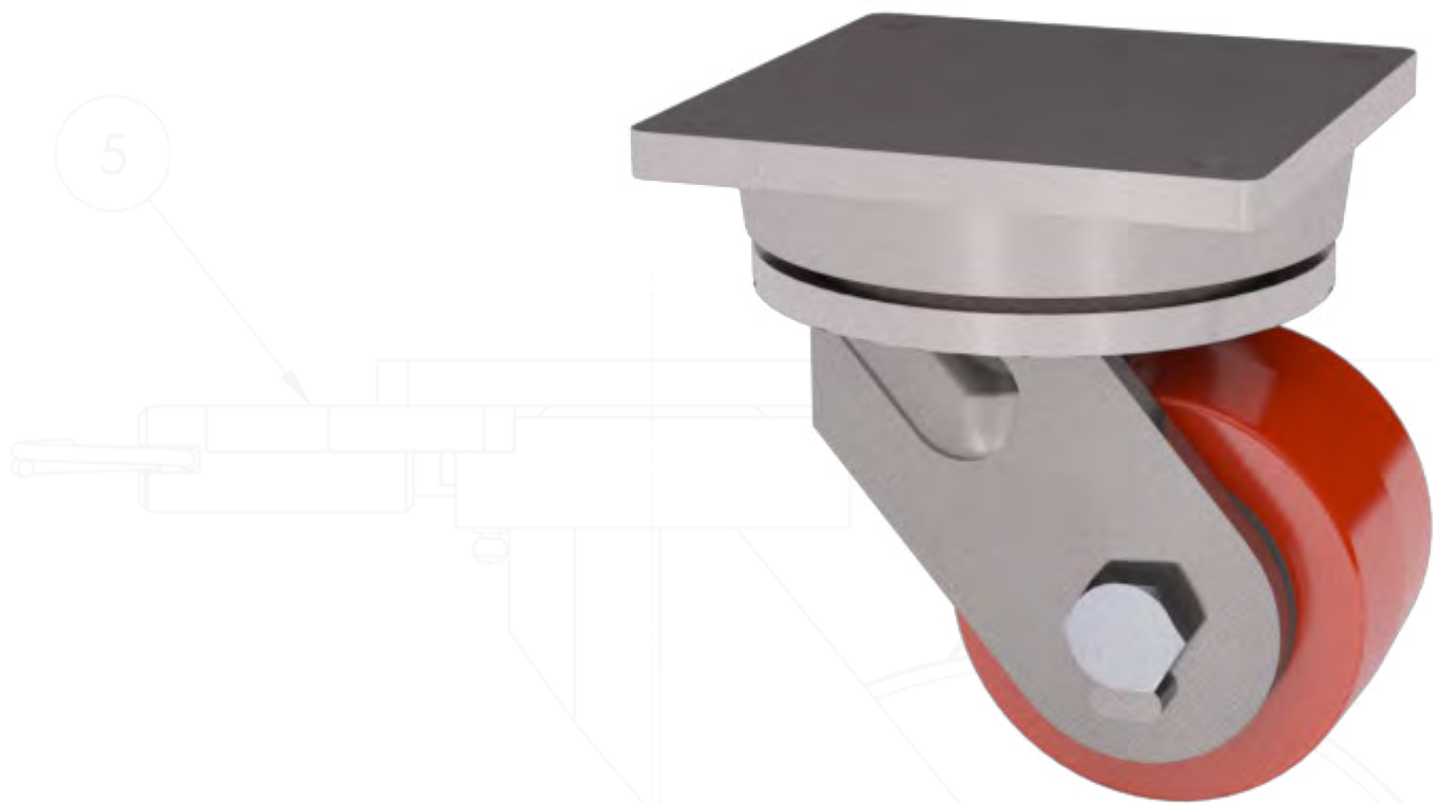
Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	Forged Steel	8,000	9.00	5.46	2.25	<a href="#">90-06309-20-1</a>	60.00
6	3.00	H.D. Forged Steel	8,000	9.00	5.46	2.25	<a href="#">90-06309-21-1</a>	60.00
6	3.00	Standard Polyurethane	2,500	9.00	5.46	2.25	<a href="#">90-06309-60-1</a>	50.00
6	4.00	H.D. Standard Polyurethane	3,000	9.00	5.61	2.25	<a href="#">90-06409-65-1</a>	50.00
8	3.00	Polyurethane	2,500	11.00	6.43	2.25	<a href="#">90-08309-60-1</a>	50.00
8	3.00	H.D. Cast Iron	4,500	11.00	6.43	2.25	<a href="#">90-08309-11-1</a>	65.00
8	4.00	Forged Steel	8,000	11.00	6.56	2.25	<a href="#">90-08409-20-1</a>	73.00
8	4.00	H.D. Forged Steel	8,000	11.00	6.56	2.25	<a href="#">90-08409-21-1</a>	73.00
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">90-08409-60-1</a>	63.00
10	3.00	H.D. Forged Steel	6,500	13.00	7.65	2.50	<a href="#">90-10309-21-1</a>	62.00
10	3.00	Cast Iron	4,000	13.00	7.65	2.50	<a href="#">90-10309-11-1</a>	61.00
10	3.00	H.D. Standard Polyurethane	3,700	13.00	7.65	2.50	<a href="#">90-10309-65-1</a>	51.00
10	4.00	Forged Steel	8,000	13.00	7.76	2.50	<a href="#">90-10409-20-1</a>	83.00
10	4.00	H.D. Forged Steel	8,000	13.00	7.76	2.50	<a href="#">90-10409-21-1</a>	83.00
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">90-10409-60-1</a>	59.00
10	4.00	H.D. Polyurethane	5,000	13.00	7.76	2.50	<a href="#">90-10409-65-1</a>	68.00
10	4.00	Mold On Rubber	1,500	13.00	7.76	2.50	<a href="#">90-10409-70-1</a>	66.00
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">90-10509-65-1</a>	68.00
10	5.00	H.D. Hard Polyurethane (70D)	7,200	13.00	7.91	2.50	<a href="#">90-10509-67-1</a>	68.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.68	2.50	<a href="#">90-12309-65-1</a>	57.00
12	3.50	Phenolic Resin	4,000	15.50	8.68	2.50	<a href="#">90-12359-30-1</a>	60.00
12	3.50	Mold On Rubber	1,350	15.50	8.68	2.50	<a href="#">90-12359-70-1</a>	63.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">90-12409-65-1</a>	75.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	<a href="#">90-12409-66-1</a>	75.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">90-12409-67-1</a>	75.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">90-12409-70-1</a>	71.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">90-12409-12-1</a>	90.00
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">90-12509-65-1</a>	90.00
12	5.00	H.D. Hard Polyurethane (70D)	7,500	15.50	8.86	2.50	<a href="#">90-12509-67-1</a>	90.00
12	5.00	Mold On Rubber	1,850	15.50	8.86	2.50	<a href="#">90-12509-70-1</a>	88.00
12	5.00	Ductile Iron	8,000	15.50	8.86	2.50	<a href="#">90-12509-12-1</a>	120.00
16	4.00	Laminated Phenolic	8,000	19.00	11.18	3.00	<a href="#">90-16409-35-1</a>	80.00
16	4.00	Cast Iron	7,500	19.00	11.18	3.00	<a href="#">90-16409-10-1</a>	105.00
16	4.00	H.D. Standard Polyurethane	6,000	19.00	11.18	3.00	<a href="#">90-16409-65-1</a>	109.00
16	4.00	Mold On Rubber	1,450	19.00	11.18	3.00	<a href="#">90-16409-70-1</a>	106.00
16	5.00	H.D. Standard Polyurethane	8,000	19.00	11.28	3.00	<a href="#">90-16509-65-1</a>	115.00
16	5.00	H.D. Hard Polyurethane (70D)	8,000	19.00	11.28	3.00	<a href="#">90-16509-67-1</a>	115.00
18	5.00	H.D. Standard Polyurethane	8,000	21.00	13.24	4.00	<a href="#">90-18509-65-1</a>	115.00
18	5.00	H.D. Hard Polyurethane (70D)	8,000	21.00	13.24	4.00	<a href="#">90-18509-67-1</a>	115.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 90-10309-70-2)

Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.



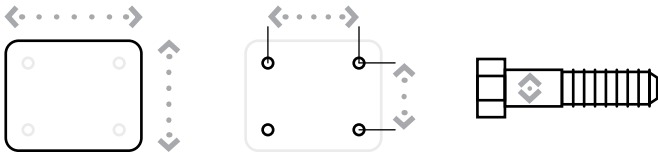
KINGPINLESS STYLE  
**91 SERIES CASTERS**

# KINGPINLESS STYLE 91 SERIES



MAXIMUM CAPACITY

**20,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 8.5" x 8.5"	7" x 7"	0.625"

91 SERIES TOP PLATE



## FEATURES

**Swivel Section:** Constructed of hot forged C-1045 steel, the single ball race design features 7/8" diameter load/thrust ball bearings in a 7" diameter precision machined load raceway

**Legs:** 1/2" x 4" legs are formed and continuously welded both inside and outside for greater strength.

**Kingpin:** Kingpinless style design.

**Axle:** 1-1/4", Grade 5.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 6" to 18" diameter wheels, 3" to 5" widths.

**Finish:** Gold Powder Coat.

**Standard:** Shielded swivel to reduce dust and dirt contamination.

## APPLICATIONS

Specifically designed for severe applications, the 91 Series is ideal for die carts, tooling fixtures, aircraft engine stands, ground support equipment, aerospace A-frame skin dollies, portable jigs, large work platforms, mobile military equipment, aircraft maintenance stands and production line delivery trailers.

## BENEFITS

The raceways are precision machined and then through hardened to eliminate brinelling of the surface. The 91 Series offers a high strength swivel section that will easily swivel under extreme loads.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
 Wrap Around: ..... W\*  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Heavy Duty: ..... HDL  
 Heavy Duty Demountable: ..... DHDL  
 Demountable: ..... DL  
 Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

\* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

# KINGPINLESS STYLE 91 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	Forged Steel	6,000	9.50	5.46	2.25	<a href="#">91-06301-20-1</a>	60.00
6	4.00	H.D. Standard Polyurethane	3,000	9.50	5.61	2.25	<a href="#">91-06401-65-1</a>	60.00
8	4.00	Forged Steel	8,400	11.00	6.56	2.25	<a href="#">91-08401-20-1</a>	73.00
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">91-08401-60-1</a>	63.00
10	4.00	Forged Steel	8,400	13.00	7.76	2.50	<a href="#">91-10401-20-1</a>	83.00
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">91-10401-60-1</a>	59.00
10	4.00	H.D. Standard Polyurethane	5,000	13.00	7.76	2.50	<a href="#">91-10401-65-1</a>	68.00
10	4.00	Mold On Rubber	1,500	13.00	7.76	2.50	<a href="#">91-10401-70-1</a>	66.00
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">91-10501-65-1</a>	68.00
10	5.00	H.D. Hard Polyurethane (70D)	7,200	13.00	7.91	2.50	<a href="#">91-10501-67-1</a>	68.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">91-12401-12-1</a>	90.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">91-12401-65-1</a>	75.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">91-12401-67-1</a>	75.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">91-12401-70-1</a>	71.00
12	5.00	Ductile Iron	10,000	15.50	8.86	2.50	<a href="#">91-12501-12-1</a>	135.00
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">91-12501-65-1</a>	90.00
12	5.00	H.D. Hard Polyurethane (70D)	7,800	15.50	8.86	2.50	<a href="#">91-12501-67-1</a>	90.00
12	5.00	Mold On Rubber	1,850	15.50	8.86	2.50	<a href="#">91-12501-70-1</a>	88.00
14	5.00	Cast Iron	7,000	17.50	10.31	3.00	<a href="#">91-14501-10-1</a>	100.00
16	4.00	Laminated Phenolic	8,400	19.00	11.18	3.00	<a href="#">91-16401-35-1</a>	80.00
16	4.00	H.D. Standard Polyurethane	6,000	19.00	11.18	3.00	<a href="#">91-16401-65-1</a>	109.00
16	4.00	Mold On Rubber	1,450	19.00	11.18	3.00	<a href="#">91-16401-70-1</a>	106.00
16	4.00	Cast Iron	7,500	19.00	11.18	3.00	<a href="#">91-16401-10-1</a>	110.00
16	5.00	H.D. Standard Polyurethane	8,000	19.00	11.28	3.00	<a href="#">91-16501-65-1</a>	115.00
16	5.00	H.D. Hard Polyurethane (70D)	8,000	19.00	11.28	3.00	<a href="#">91-16501-67-1</a>	115.00
18	5.00	H.D. Standard Polyurethane	8,500	21.00	13.24	4.00	<a href="#">91-18501-65-1</a>	125.00
18	5.00	H.D. Hard Polyurethane (70D)	9,000	21.00	13.24	4.00	<a href="#">91-18501-67-1</a>	125.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change series to 90 and change the last digit from 1 to 2 (i.e. [90-16509-67-2](#))

Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

FOR TWICE THE LOAD CAPACITY, DUAL WHEELS ARE AVAILABLE. CONSULT THE FACTORY.

# KINGPINLESS STYLE 91 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	Forged Steel	10,000	9.50	5.46	2.25	<a href="#">91-06309-20-1</a>	60.00
6	3.00	H.D. Forged Steel	17,000	9.50	5.46	2.25	<a href="#">91-06309-21-1</a>	60.00
6	4.00	H.D. Standard Polyurethane	3,000	9.50	5.61	2.25	<a href="#">91-06409-65-1</a>	60.00
8	4.00	Forged Steel	10,000	11.00	6.56	2.25	<a href="#">91-08409-20-1</a>	73.00
8	4.00	H.D. Forged Steel	20,000	11.00	6.56	2.25	<a href="#">91-08409-21-1</a>	73.00
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">91-08409-60-1</a>	63.00
10	4.00	Forged Steel	10,000	13.00	7.76	2.50	<a href="#">91-10409-20-1</a>	83.00
10	4.00	H.D. Forged Steel	20,000	13.00	7.76	2.50	<a href="#">91-10409-21-1</a>	83.00
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">91-10409-60-1</a>	59.00
10	4.00	H.D. Standard Polyurethane	5,000	13.00	7.76	2.50	<a href="#">91-10409-65-1</a>	68.00
10	4.00	Mold On Rubber	1,500	13.00	7.76	2.50	<a href="#">91-10409-70-1</a>	66.00
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">91-10509-65-1</a>	68.00
10	5.00	H.D. Hard Polyurethane (70D)	7,200	13.00	7.91	2.50	<a href="#">91-10509-67-1</a>	68.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">91-12409-12-1</a>	90.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">91-12409-65-1</a>	75.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">91-12409-67-1</a>	75.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">91-12409-70-1</a>	71.00
12	5.00	Ductile Iron	15,000	15.50	8.86	2.50	<a href="#">91-12509-12-1</a>	135.00
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">91-12509-65-1</a>	90.00
12	5.00	H.D. Hard Polyurethane (70D)	7,800	15.50	8.86	2.50	<a href="#">91-12509-67-1</a>	90.00
12	5.00	Mold On Rubber	1,850	15.50	8.86	2.50	<a href="#">91-12509-70-1</a>	88.00
14	5.00	Cast Iron	7,000	17.50	10.31	3.00	<a href="#">91-14509-10-1</a>	100.00
16	4.00	Laminated Phenolic	9,400	19.00	11.18	3.00	<a href="#">91-16409-35-1</a>	80.00
16	4.00	H.D. Standard Polyurethane	6,000	19.00	11.18	3.00	<a href="#">91-16409-65-1</a>	109.00
16	4.00	Mold On Rubber	1,450	19.00	11.18	3.00	<a href="#">91-16409-70-1</a>	106.00
16	4.00	Cast Iron	7,500	19.00	11.18	3.00	<a href="#">91-16409-10-1</a>	110.00
16	5.00	H.D. Standard Polyurethane	8,000	19.00	11.28	3.00	<a href="#">91-16509-65-1</a>	115.00
16	5.00	H.D. Hard Polyurethane (70D)	8,000	19.00	11.28	3.00	<a href="#">91-16509-67-1</a>	115.00
18	5.00	H.D. Standard Polyurethane	8,500	21.00	13.24	4.00	<a href="#">91-18509-65-1</a>	125.00
18	5.00	H.D. Hard Polyurethane (70D)	9,000	21.00	13.24	4.00	<a href="#">91-18509-67-1</a>	125.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 90 and change the last digit from 1 to 2 (i.e. [90-16509-67-2](#))

Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.

FOR TWICE THE LOAD CAPACITY, DUAL WHEELS ARE AVAILABLE. CONSULT THE FACTORY.



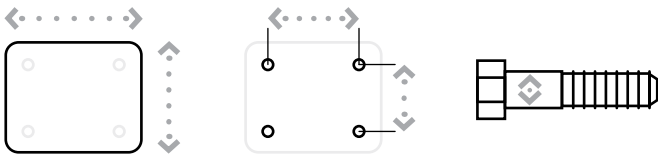
EXTRA HEAVY DUTY  
**95 SERIES CASTERS**

# EXTRA HEAVY DUTY 95 SERIES



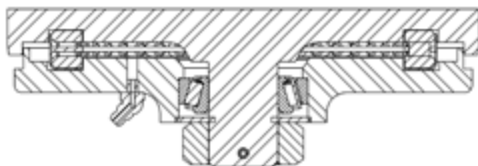
MAXIMUM CAPACITY

# 17,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 8.5" x 8.5"	7" x 7"	0.625"

95 SERIES TOP PLATE



## FEATURES

**Swivel Section:** Constructed of hot forged C-1045 steel with a 7" diameter raceway featuring precision tapered load and tapered thrust bearings.

**Legs:** 1/2" x 4" legs formed and continuously welded both inside and outside for greater strength.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut.

**Axle:** 1-1/4" diameter axle.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 6" to 18" diameter wheels.

**Finish:** Gold Powder Coat.

## APPLICATIONS

Rugged applications include die carts, towed trailers, automotive plant equipment, aircraft maintenance stands, production line delivery trailers, paving machinery and boat dollies.

## BENEFITS

The 95 Series is ideal for applications where high load capacities are required and where the caster will ensure constant use under load.

The integrally forged kingpin and slotted adjusting nut add strength and longevity to the life of the swivel section.

## OPTIONS

### BRAKES

Poly Lock: ..... P\*  
 Wrap Around: ..... W\*  
 Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
 Demountable: ..... DL  
 Heavy Duty: ..... HDL  
 Heavy Duty Demountable: ..... DHDL  
 Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

\* For wheels with a diameter > 6"  
 DUAL WHEEL DESIGN AVAILABLE

# EXTRA HEAVY DUTY 95 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	Forged Steel	6,000	9.00	5.46	2.25	<a href="#">95-06301-20-1</a>	60.00
6	4.00	H.D. Standard Polyurethane	3,000	9.00	5.62	2.25	<a href="#">95-06401-65-1</a>	50.00
8	3.00	H.D. Standard Polyurethane	3,100	11.00	6.43	2.25	<a href="#">95-08301-65-1</a>	50.00
8	4.00	Forged Steel	8,400	11.00	6.56	2.25	<a href="#">95-08401-20-1</a>	73.00
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">95-08401-60-1</a>	63.00
10	3.00	Cast Iron	4,000	13.00	7.65	2.50	<a href="#">95-10301-11-1</a>	61.00
10	4.00	H.D. Forged Steel	6,000	13.00	7.65	2.50	<a href="#">95-10301-21-1</a>	62.00
10	4.00	Forged Steel	8,400	13.00	7.76	2.50	<a href="#">95-10401-20-1</a>	83.00
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">95-10401-60-1</a>	59.00
10	4.00	H.D. Standard Polyurethane	5,000	13.00	7.76	2.50	<a href="#">95-10401-65-1</a>	68.00
10	4.00	Mold On Rubber	1,500	13.00	7.76	2.50	<a href="#">95-10401-70-1</a>	66.00
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">95-10501-65-1</a>	68.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.68	2.50	<a href="#">95-12301-65-1</a>	57.00
12	3.50	Laminated Phenolic	4,700	15.50	8.68	2.50	<a href="#">95-12351-35-1</a>	59.00
12	3.50	Phenolic Resin	4,000	15.50	8.68	2.50	<a href="#">95-12351-30-1</a>	60.00
12	3.50	Mold On Rubber	1,350	15.50	8.68	2.50	<a href="#">95-12351-70-1</a>	63.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">95-12401-12-1</a>	90.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">95-12401-65-1</a>	75.00
12	4.00	H.D. T/R Polyurethane	4,400	15.50	8.73	2.50	<a href="#">95-12401-66-1</a>	75.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">95-12401-67-1</a>	75.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">95-12401-70-1</a>	71.00
12	5.00	Ductile Iron	10,000	15.50	8.86	2.50	<a href="#">95-12501-12-1</a>	130.00
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">95-12501-65-1</a>	90.00
12	5.00	H.D. Hard Polyurethane (70D)	7,500	15.50	8.86	2.50	<a href="#">95-12501-67-1</a>	90.00
12	5.00	Mold On Rubber	1,850	15.50	8.86	2.50	<a href="#">95-12501-70-1</a>	88.00
14	5.00	Cast Iron	7,000	17.50	9.82	2.50	<a href="#">95-14501-10-1</a>	100.00
16	4.00	Laminated Phenolic	8,400	19.00	11.18	3.00	<a href="#">95-16401-35-1</a>	80.00
16	4.00	Cast Iron	7,500	19.00	11.18	3.00	<a href="#">95-16401-10-1</a>	105.00
16	4.00	H.D. Standard Polyurethane	6,000	19.00	11.18	3.00	<a href="#">95-16401-65-1</a>	109.00
16	4.00	Mold On Rubber	1,450	19.00	11.18	3.00	<a href="#">95-16401-70-1</a>	106.00
16	5.00	H.D. Standard Polyurethane	8,000	19.00	11.28	3.00	<a href="#">95-16501-65-1</a>	115.00
16	5.00	H.D. Hard Polyurethane (70D)	8,000	19.00	11.28	3.00	<a href="#">95-16501-67-1</a>	115.00
18	5.00	H.D. Standard Polyurethane	8,000	21.00	13.24	4.00	<a href="#">95-18501-65-1</a>	120.00
18	5.00	H.D. Hard Polyurethane (70D)	8,000	21.00	13.24	4.00	<a href="#">95-18501-67-1</a>	120.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change series to 90 and change the last digit from 1 to 2 (i.e. [90-16509-67-2](#))

Estimated weight is for swivel caster. Deduct 20 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# EXTRA HEAVY DUTY 95 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	3.00	Forged Steel	10,000	9.00	5.46	2.25	<a href="#">95-06309-20-1</a>	60.00
6	3.00	H.D. Forged Steel	17,000	9.00	5.46	2.25	<a href="#">95-06309-21-1</a>	60.00
6	3.00	Standard Polyurethane	2,500	9.00	5.46	2.25	<a href="#">95-06309-60-1</a>	50.00
6	4.00	H.D. Standard Polyurethane	3,000	9.00	5.62	2.25	<a href="#">95-06409-65-1</a>	50.00
8	3.00	H.D. Standard Polyurethane	3,100	11.00	6.43	2.25	<a href="#">95-08309-65-1</a>	50.00
8	4.00	Forged Steel	10,000	11.00	6.56	2.25	<a href="#">95-08409-20-1</a>	73.00
8	4.00	H.D. Forged Steel	17,000	11.00	6.56	2.25	<a href="#">95-08409-21-1</a>	73.00
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">95-08409-60-1</a>	63.00
10	3.00	Cast Iron	4,000	13.00	7.65	2.50	<a href="#">95-10309-11-1</a>	61.00
10	4.00	H.D. Forged Steel	6,000	13.00	7.65	2.50	<a href="#">95-10309-21-1</a>	62.00
10	4.00	Polyurethane	3,000	13.00	7.65	2.50	<a href="#">95-10309-60-1</a>	51.00
10	4.00	H.D. Forged Steel	17,000	13.00	7.76	2.50	<a href="#">95-10309-21-1</a>	83.00
10	4.00	Forged Steel	10,000	13.00	7.76	2.50	<a href="#">95-10409-20-1</a>	83.00
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">95-10409-60-1</a>	59.00
10	4.00	H.D. Standard Polyurethane	5,000	13.00	7.76	2.50	<a href="#">95-10409-65-1</a>	68.00
10	4.00	Mold On Rubber	1,500	13.00	7.76	2.50	<a href="#">95-10409-70-1</a>	66.00
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">95-10509-65-1</a>	68.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.68	2.50	<a href="#">95-12309-65-1</a>	57.00
12	3.50	Laminated Phenolic	4,700	15.50	8.68	2.50	<a href="#">95-12359-35-1</a>	59.00
12	3.50	Phenolic Resin	4,000	15.50	8.68	2.50	<a href="#">95-12359-30-1</a>	60.00
12	3.50	Mold On Rubber	1,350	15.50	8.68	2.50	<a href="#">95-12359-70-1</a>	63.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">95-12409-12-1</a>	90.00
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">95-12409-65-1</a>	75.00
12	4.00	H.D. T/R Polyurethane	4,400	15.50	8.73	2.50	<a href="#">95-12409-66-1</a>	75.00
12	4.00	H.D. Hard Polyurethane (70D)	6,600	15.50	8.73	2.50	<a href="#">95-12409-67-1</a>	75.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	<a href="#">95-12409-70-1</a>	71.00
12	5.00	Ductile Iron	15,000	15.50	8.86	2.50	<a href="#">95-12509-12-1</a>	130.00
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">95-12509-65-1</a>	90.00
12	5.00	H.D. Hard Polyurethane (70D)	7,500	15.50	8.86	2.50	<a href="#">95-12509-67-1</a>	90.00
12	5.00	Mold On Rubber	1,850	15.50	8.86	2.50	<a href="#">95-12509-70-1</a>	88.00
14	5.00	Cast Iron	7,000	17.50	9.82	2.50	<a href="#">95-14509-10-1</a>	100.00

CONTINUED

# EXTRA HEAVY DUTY 95 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
16	4.00	Laminated Phenolic	8,400	19.00	11.18	3.00	<a href="#">95-16409-35-1</a>	80.00
16	4.00	Cast Iron	7,500	19.00	11.18	3.00	<a href="#">95-16409-10-1</a>	105.00
16	4.00	H.D. Standard Polyurethane	6,000	19.00	11.18	3.00	<a href="#">95-16409-65-1</a>	109.00
16	4.00	Mold On Rubber	1,450	19.00	11.18	3.00	<a href="#">95-16409-70-1</a>	106.00
16	5.00	H.D. Standard Polyurethane	8,000	19.00	11.28	3.00	<a href="#">95-16509-65-1</a>	115.00
16	5.00	H.D. Hard Polyurethane (70D)	8,000	19.00	11.28	3.00	<a href="#">95-16509-67-1</a>	115.00
18	5.00	H.D. Standard Polyurethane	8,000	21.00	13.24	4.00	<a href="#">95-18509-65-1</a>	120.00
18	5.00	H.D. Hard Polyurethane (70D)	9,000	21.00	13.24	4.00	<a href="#">95-18509-67-1</a>	120.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 90 and change the last digit from 1 to 2 (i.e. [90-16509-67-2](#))

Estimated weight is for swivel caster. Deduct 20 pounds for rigid casters.

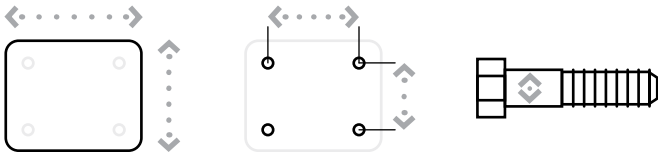
All dimensions are in inches. All weights are in pounds.

# SUPER HEAVY DUTY 97 SERIES



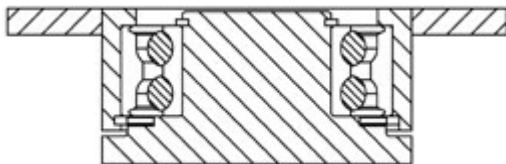
MAXIMUM CAPACITY

**20,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 8.5" x 8.5"	7" x 7"	0.625"

97 SERIES TOP PLATE



## FEATURES

- Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.
- Legs:** 1/2" x 4" steel, formed and continuously welded on the inside and outside to the yoke base.
- Kingpin:** Kingpinless style design.
- Axle:** 1-1/4", Grade 5.
- Lubrication:** Sealed ball bearings are lubricated and require zero maintenance.
- Wheels:** 6" to 20" diameter wheels, 3" to 5" widths.
- Finish:** Gold Powder Coat.

## APPLICATIONS

Suitable for continuous use, power drawn applications, Automated Guided Vehicles (AGV's), aircraft wing and spar tooling, material carts, chassis rack carts, and aircraft maintenance stands, aero engine stands, large boat dollies.

## BENEFITS

The 97 Series is maintenance free with sealed precision ball bearings in the swivel section and in the wheels. The high hardness and precision machining tolerances of the swivel section allow for an even distribution of load and longer life in continuous-use applications. Better maneuverability and ease of movement.

## OPTIONS

### BRAKES

- Poly Lock: ..... P\*
- Wrap Around: ..... W\*
- Face Contact: ..... F

### SWIVEL LOCKS

- Factory Installed: ..... L
- Heavy Duty: ..... HDL
- Heavy Duty Demountable: ..... DHDL
- Demountable: ..... DL
- Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

SEALED WHEELS ..... SW

TOE GUARD ..... TG

\* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

# SUPER HEAVY DUTY 97 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	4.00	Forged Steel	10,000	9.50	5.62	2.25	<a href="#">97-06309-20-1</a>	
6	4.00	H.D. Forged Steel	10,000	9.50	5.62	2.25	<a href="#">97-06309-21-1</a>	
6	4.00	H.D. Standard Polyurethane	3,000	9.50	5.62	2.25	<a href="#">97-06409-65-1</a>	
6	4.00	HPPT Polyurethane	4,600	9.50	5.62	2.25	<a href="#">97-06409-95-1</a>	
6	4.00	H.D. T/R-95 Polyurethane	4,140	9.50	5.62	2.25	<a href="#">97-06409-96-1</a>	
8	4.00	Forged Steel	10,000	11.00	6.56	2.25	<a href="#">97-08409-20-1</a>	
8	4.00	H.D. Forged Steel	10,000	11.00	6.56	2.25	<a href="#">97-08409-21-1</a>	
8	4.00	Standard Polyurethane	3,800	11.00	6.56	2.25	<a href="#">97-08409-60-1</a>	
10	4.00	Forged Steel	10,000	13.00	7.76	2.50	<a href="#">97-10409-20-1</a>	
10	4.00	H.D. Forged Steel	10,000	13.00	7.76	2.50	<a href="#">97-10409-21-1</a>	
10	4.00	Standard Polyurethane	4,200	13.00	7.76	2.50	<a href="#">97-10409-60-1</a>	
10	4.00	H.D. Standard Polyurethane	5,000	13.00	7.76	2.50	<a href="#">97-10409-65-1</a>	
10	4.00	HPPT Polyurethane	6,500	13.00	7.76	2.50	<a href="#">97-10409-95-1</a>	
10	4.00	H.D. T/R-95 Polyurethane	5,850	13.00	7.76	2.50	<a href="#">97-10409-96-1</a>	
10	5.00	H.D. Standard Polyurethane	6,000	13.00	7.91	2.50	<a href="#">97-10509-65-1</a>	
10	5.00	HPPT Polyurethane	7,900	13.00	7.91	2.50	<a href="#">97-10509-95-1</a>	
10	5.00	H.D. T/R-95 Polyurethane	7,100	13.00	7.91	2.50	<a href="#">97-10509-96-1</a>	
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	<a href="#">97-12409-12-1</a>	
12	4.00	H.D. Standard Polyurethane	5,500	15.50	8.73	2.50	<a href="#">97-12409-65-1</a>	
12	4.00	HPPT Polyurethane	7,000	15.50	8.73	2.50	<a href="#">97-12409-95-1</a>	
12	4.00	H.D. T/R-95 Polyurethane	6,300	15.50	8.73	2.50	<a href="#">97-12409-96-1</a>	
12	5.00	Ductile Iron	10,000	15.50	8.86	2.50	<a href="#">97-12509-12-1</a>	
12	5.00	H.D. Standard Polyurethane	6,250	15.50	8.86	2.50	<a href="#">97-12509-65-1</a>	
12	5.00	HPPT Polyurethane	8,400	15.50	8.86	2.50	<a href="#">97-12509-95-1</a>	
12	5.00	H.D. T/R-95 Polyurethane	7,560	15.50	8.86	2.50	<a href="#">97-12509-96-1</a>	
16	4.00	Laminated Phenolic	9,400	19.00	11.18	3.00	<a href="#">97-16409-35-1</a>	
16	4.00	H.D. Standard Polyurethane	6,000	19.00	11.18	3.00	<a href="#">97-16409-65-1</a>	
16	4.00	HPPT Polyurethane	8,125	19.00	11.18	3.00	<a href="#">97-16409-95-1</a>	
16	4.00	H.D. T/R-95 Polyurethane	7,300	19.00	11.18	3.00	<a href="#">97-16409-96-1</a>	
16	5.00	H.D. Standard Polyurethane	8,000	19.00	11.28	3.00	<a href="#">97-16509-65-1</a>	
16	5.00	HPPT Polyurethane	9,125	19.00	11.28	3.00	<a href="#">97-16509-95-1</a>	
16	5.00	H.D. T/R-95 Polyurethane	8,200	19.00	11.28	3.00	<a href="#">97-16509-96-1</a>	
18	5.00	H.D. Standard Polyurethane	8,500	21.00	13.24	4.00	<a href="#">97-18509-65-1</a>	
18	5.00	HPPT Polyurethane	9,500	21.00	13.24	4.00	<a href="#">97-18509-95-1</a>	
18	5.00	H.D. T/R-95 Polyurethane	8,550	21.00	13.24	4.00	<a href="#">97-18509-96-1</a>	

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change the last digit from 1 to 2 (i.e. 97-16509-67-2)

Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.

FOR TWICE THE LOAD CAPACITY, DUAL WHEELS ARE AVAILABLE. CONSULT THE FACTORY.

CONTINUED

# SUPER HEAVY DUTY 97 SERIES

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
20	5.00	H.D. Standard Polyurethane	9,000	23.00	14.22	4.00	<a href="#">97-20509-65-1</a>	
20	5.00	HPPT Polyurethane	11,250	23.00	14.22	4.00	<a href="#">97-20509-95-1</a>	
20	5.00	H.D. T/R-95 Polyurethane	10,000	23.00	14.22	4.00	<a href="#">97-20509-96-1</a>	

## PRECISION TAPERED BEARING (97HD)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	4.00	Forged Steel	10,000	10.50	5.62	2.25	<a href="#">97HD-06309-20-1</a>	
6	4.00	H.D. Forged Steel	17,000	10.50	5.62	2.25	<a href="#">97HD-06309-21-1</a>	
6	4.00	H.D. Standard Polyurethane	3,000	10.50	5.62	2.25	<a href="#">97HD-06409-65-1</a>	
6	4.00	HPPT Polyurethane	4,600	10.50	5.62	2.25	<a href="#">97HD-06409-95-1</a>	
6	4.00	H.D. T/R-95 Polyurethane	4,140	10.50	5.62	2.25	<a href="#">97HD-06409-96-1</a>	
8	4.00	Forged Steel	10,000	12.50	6.56	2.25	<a href="#">97HD-08409-20-1</a>	
8	4.00	H.D. Forged Steel	20,000	12.50	6.56	2.25	<a href="#">97HD-08409-21-1</a>	
8	4.00	Standard Polyurethane	3,800	12.50	6.56	2.25	<a href="#">97HD-08409-60-1</a>	
10	4.00	Forged Steel	10,000	14.50	7.76	2.50	<a href="#">97HD-10409-20-1</a>	
10	4.00	H.D. Forged Steel	20,000	14.50	7.76	2.50	<a href="#">97HD-10409-21-1</a>	
10	4.00	Standard Polyurethane	4,200	14.50	7.76	2.50	<a href="#">97HD-10409-60-1</a>	
10	4.00	H.D. Standard Polyurethane	5,000	14.50	7.76	2.50	<a href="#">97HD-10409-65-1</a>	
10	4.00	HPPT Polyurethane	6,500	14.50	7.76	2.50	<a href="#">97HD-10409-95-1</a>	
10	4.00	H.D. T/R-95 Polyurethane	5,850	14.50	7.76	2.50	<a href="#">97HD-10409-96-1</a>	
10	5.00	H.D. Standard Polyurethane	6,000	14.50	7.91	2.50	<a href="#">97HD-10509-65-1</a>	
10	5.00	HPPT Polyurethane	7,900	14.50	7.91	2.50	<a href="#">97HD-10509-95-1</a>	
10	5.00	H.D. T/R-95 Polyurethane	7,100	14.50	7.91	2.50	<a href="#">97HD-10509-96-1</a>	
12	4.00	Ductile Iron	7,500	16.50	8.73	2.50	<a href="#">97HD-12409-12-1</a>	
12	4.00	H.D. Standard Polyurethane	5,500	16.50	8.73	2.50	<a href="#">97HD-12409-65-1</a>	
12	4.00	HPPT Polyurethane	7,000	16.50	8.73	2.50	<a href="#">97HD-12409-95-1</a>	
12	4.00	H.D. T/R-95 Polyurethane	6,300	16.50	8.73	2.50	<a href="#">97HD-12409-96-1</a>	
12	5.00	Ductile Iron	15,000	16.50	8.86	2.50	<a href="#">97HD-12509-12-1</a>	
12	5.00	H.D. Standard Polyurethane	6,250	16.50	8.86	2.50	<a href="#">97HD-12509-65-1</a>	
12	5.00	HPPT Polyurethane	8,400	16.50	8.86	2.50	<a href="#">97HD-12509-95-1</a>	
12	5.00	H.D. T/R-95 Polyurethane	7,560	16.50	8.86	2.50	<a href="#">97HD-12509-96-1</a>	
16	4.00	Laminated Phenolic	9,400	20.50	11.18	3.00	<a href="#">97HD-16409-35-1</a>	
16	4.00	H.D. Standard Polyurethane	6,000	20.50	11.18	3.00	<a href="#">97HD-16409-65-1</a>	
16	4.00	HPPT Polyurethane	8,125	20.50	11.18	3.00	<a href="#">97HD-16409-95-1</a>	
16	4.00	H.D. T/R-95 Polyurethane	7,300	20.50	11.18	3.00	<a href="#">97HD-16409-96-1</a>	
16	5.00	H.D. Standard Polyurethane	8,000	20.50	11.28	3.00	<a href="#">97HD-16509-65-1</a>	
16	5.00	HPPT Polyurethane	9,125	20.50	11.28	3.00	<a href="#">97HD-16509-95-1</a>	
16	5.00	H.D. T/R-95 Polyurethane	8,200	20.50	11.28	3.00	<a href="#">97HD-16509-96-1</a>	

CONTINUED

# SUPER HEAVY DUTY 97 SERIES

## PRECISION TAPERED BEARING (97HD)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
18	5.00	H.D. Standard Polyurethane	8,500	22.50	13.24	4.00	<a href="#">97HD-18509-65-1</a>	
18	5.00	HPPT Polyurethane	9,500	22.50	13.24	4.00	<a href="#">97HD-18509-95-1</a>	
18	5.00	H.D. T/R-95 Polyurethane	8,550	22.50	13.24	4.00	<a href="#">97HD-18509-96-1</a>	
20	5.00	Forged Steel	9,000	24.50	14.22	4.00	<a href="#">97HD-20509-65-1</a>	
20	5.00	H.D. Forged Steel	11,250	24.50	14.22	4.00	<a href="#">97HD-20509-95-1</a>	
20	5.00	Standard Polyurethane	10,000	24.50	14.22	4.00	<a href="#">97HD-20509-96-1</a>	

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change the last digit from 1 to 2 (i.e. 97-16509-67-2)

Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.

All dimensions are in inches. All weights are in pounds.

FOR TWICE THE LOAD CAPACITY, DUAL WHEELS ARE AVAILABLE. CONSULT THE FACTORY.

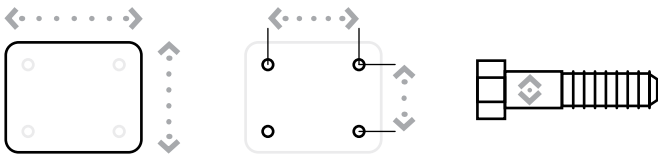
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# SUPER HEAVY DUTY 99 SERIES



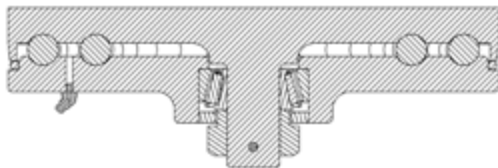
MAXIMUM CAPACITY

**35,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 14" x 14"	12" x 12"	0.75"

99 SERIES TOP PLATE



## FEATURES

**Swivel Section:** Machined from C-1045 hot forged steel which has been precision machined for bearings. The swivel section features dual 9" and 12" diameter through hardened load races that use 7/8" diameter steel balls.

**Legs:** 3/4" legs are continuously welded both inside and outside for the greatest strength.

**Kingpin:** 1-1/2" diameter kingpin integrally forged into top plate features a slotted adjusting nut and heavy-duty 1-1/2" sealed tapered thrust bearing.

**Axle:** 2" alloy steel

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** Available in single and dual-wheel configurations. Single wheel diameters range from 12" to 28". Dual wheel diameters range from 10" to 22" as standard.

**Finish:** Black Powder Coat.

## APPLICATIONS

Optimal for die handling, marine and automotive applications, the 99 Series also meets the needs for aerospace and aircraft ground support equipment.

## BENEFITS

The 99 Series platform with heavy-duty swivel casters is the ideal choice when payload protection far exceeds the capacity of the caster. The dual load race design assures smooth rotation of the caster and superior load capacity. Priced at production prices, the series offers flexibility and comfort in product design.

## OPTIONS

### BRAKES

Poly Lock: ..... P  
Face Contact: ..... F

### SWIVEL LOCKS

Vertical Mounted: ..... V  
Heavy Duty: ..... HDL

SEALED WHEELS ..... SW

TOE GUARD ..... TG

*\* For wheels with a diameter > 6"*

*99 series swivel sections are used as a platform for many custom designed applications. Please consult the factory.*

# SUPER HEAVY DUTY 99 SERIES

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
12	5.00	Ductile Iron	18,000	16.50	9.34	3.00	<a href="#">99-12501-12-1</a>	291.00
12	5.00	H.D. Hard Polyurethane (70D)	7,500	16.50	9.34	3.00	<a href="#">99-12501-67-1</a>	196.00
15	9.00	H.D. Soft Polyurethane	8,700	19.50	11.88	3.50	<a href="#">99-15901-69-1</a>	
18	9.00	H.D. Soft Polyurethane	10,900	22.00	14.23	4.50	<a href="#">99-18901-69-1</a>	305.00
22	8.00	H.D. Soft Polyurethane	11,000	26.00	16.98	5.50	<a href="#">99-22801-69-1</a>	
22	12.00	H.D. Soft Polyurethane	17,500	26.00	17.56	5.50	<a href="#">99-22121-69-1</a>	
28	12.00	H.D. Soft Polyurethane	21,000	32.00	20.88	6.00	<a href="#">99-28121-69-1</a>	
28	16.00	H.D. Soft Polyurethane	29,000	32.00	21.54	6.00	<a href="#">99-28161-69-1</a>	

THE 99 SERIES PLATFORM CAN BE HIGHLY CUSTOMIZED FOR A BROAD RANGE OF APPLICATIONS.

*All dimensions are in inches. All weights are in pounds.*

# CASTERS DUAL WHEEL



MAXIMUM CAPACITY

**50,000** lbs.

## FEATURES

Dual wheel casters are designed for heavy duty, extra heavy duty and super duty applications. Constructed of our popular hot forged C-1045 steel swivel sections, these dual wheel casters offer the highest possible capacity at the lowest overall height. The casters feature legs that are welded to a unique skirt design for greater strength and longevity.

## APPLICATIONS

Excellent for tow lines, industrial platform trucks, rugged industrial functions and other severe abuse applications.

## BENEFITS

The large footprint for a greater distribution of load on the floor. Additionally, the larger casters have a vertical center leg to further enhance the load distribution. Less effort is needed when changing direction as the design allows the wheels to rotate at variable rates to compensate for the shorter radius in the arc.

## OPTIONS

### BRAKES

Poly Lock: ..... P  
Double Side: ..... DS  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Heavy Duty: ..... HDL  
Heavy Duty Demountable: ..... DHDL  
Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

TOE GUARD ..... TG

# CASTERS DUAL WHEEL

## STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
4	1.50	Phenolic Resin	1,200	5.62	3.89	1.50	50	<a href="#">52-04101-30-1</a>	9.50
4	1.50	Standard Polyurethane	1,350	5.62	3.89	1.50	50	<a href="#">52-04101-60-1</a>	11.00
5	1.50	Phenolic Resin	1,200	6.50	4.57	1.75	50	<a href="#">52-05101-30-1</a>	10.50
5	1.50	Standard Polyurethane	1,400	6.50	4.57	1.75	50	<a href="#">52-05101-60-1</a>	11.50
6	2.00	Cast Iron	1,500	7.50	5.75	2.25	50	<a href="#">52-06201-10-1</a>	21.00
6	2.00	Forged Steel	1,500	7.50	5.75	2.25	50	<a href="#">52-06201-20-1</a>	20.00
6	2.00	Phenolic Resin	1,500	7.50	5.75	2.25	50	<a href="#">52-06201-30-1</a>	13.00
6	2.00	Standard Polyurethane	1,500	7.50	5.75	2.25	50	<a href="#">52-06201-60-1</a>	18.00
6	2.00	Mold On Rubber	820	7.50	5.75	2.25	50	<a href="#">52-06201-70-1</a>	12.50
3	1.50	Standard Polyurethane	900	5.25	3.44	1.50	60	<a href="#">62-03101-60-1</a>	9.00
4	1.50	Phenolic Resin	1,200	5.62	3.89	1.50	60	<a href="#">62-04101-30-1</a>	9.50
4	1.50	Standard Polyurethane	1,350	5.62	3.89	1.50	60	<a href="#">62-04101-60-1</a>	11.00
5	1.50	Phenolic Resin	1,200	6.50	4.57	1.75	60	<a href="#">62-05101-30-1</a>	10.50
5	1.50	Standard Polyurethane	1,400	6.50	4.57	1.75	60	<a href="#">62-05101-60-1</a>	11.50
4	1.50	Forged Steel	2,000	5.50	4.57	2.25	65	<a href="#">66-04101-20-1</a>	14.00
4	2.00	Phenolic Resin	1,600	5.50	4.85	2.25	65	<a href="#">66-04201-30-1</a>	11.00
4	2.00	Standard Polyurethane	1,500	5.50	4.85	2.25	65	<a href="#">66-04201-60-1</a>	12.00
5	2.00	Forged Steel	2,000	6.50	5.30	2.25	65	<a href="#">66-05201-20-1</a>	17.00
5	2.00	Phenolic Resin	2,000	6.50	5.30	2.25	65	<a href="#">66-05201-30-1</a>	11.50
5	2.00	Standard Polyurethane	2,000	6.50	5.30	2.25	65	<a href="#">66-05201-60-1</a>	15.00
6	2.00	Cast Iron	2,000	7.50	5.75	2.25	65	<a href="#">66-06201-10-1</a>	21.00
6	2.00	Forged Steel	2,000	7.50	5.75	2.25	65	<a href="#">66-06201-20-1</a>	20.00
6	2.00	Phenolic Resin	2,000	7.50	5.75	2.25	65	<a href="#">66-06201-30-1</a>	13.00
6	2.00	Standard Polyurethane	2,000	7.50	5.75	2.25	65	<a href="#">66-06201-60-1</a>	18.00
6	2.00	Mold on Rubber	820	7.50	5.75	2.25	65	<a href="#">66-06201-70-1</a>	12.50
8	2.00	Cast Iron	2,000	10.12	6.68	2.25	65	<a href="#">66-08201-10-1</a>	26.00
8	2.00	Phenolic Resin	2,000	10.12	6.68	2.25	65	<a href="#">66-08201-30-1</a>	18.00
8	2.00	Standard Polyurethane	2,000	10.12	6.68	2.25	65	<a href="#">66-08201-60-1</a>	25.00
8	2.00	Mold On Rubber	1,000	10.12	6.68	2.25	65	<a href="#">66-08201-70-1</a>	35.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [96-10509-65-2](#))

See series codes for top plate and bolt hole dimensions.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# CASTERS DUAL WHEEL

## STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	2.50	Mold On Rubber	1,080	8.00	6.16	2.25	70	<a href="#">72-06251-70-1</a>	37.00
6	2.50	Standard Polyurethane	3,500	8.00	6.16	2.25	70	<a href="#">72-06251-60-1</a>	40.00
6	2.50	Phenolic Resin	3,500	8.00	6.16	2.25	70	<a href="#">72-06251-30-1</a>	26.00
6	2.50	Cast Iron	3,500	8.00	6.16	2.25	70	<a href="#">72-06251-10-1</a>	37.00
8	2.50	Mold On Rubber	1,340	10.50	7.25	2.50	70	<a href="#">72-08251-70-1</a>	38.00
8	2.50	Standard Polyurethane	3,500	10.50	7.25	2.50	70	<a href="#">72-08251-60-1</a>	40.00
8	2.50	Phenolic Resin	3,500	10.50	7.25	2.50	70	<a href="#">72-08251-30-1</a>	30.00
10	2.50	Mold On Rubber	1,550	12.50	8.16	2.50	70	<a href="#">72-10251-70-1</a>	42.00
10	2.50	Standard Polyurethane	3,500	12.50	8.16	2.50	70	<a href="#">72-10251-60-1</a>	52.00
10	2.50	Phenolic Resin	3,500	12.50	8.16	2.50	70	<a href="#">72-10251-30-1</a>	35.00
12	2.50	Mold On Rubber	1,800	14.00	9.09	2.50	70	<a href="#">72-12251-70-1</a>	51.00
12	2.50	Standard Polyurethane	3,500	14.00	9.09	2.50	70	<a href="#">72-12251-60-1</a>	58.00
12	2.50	Phenolic Resin	3,500	14.00	9.09	2.50	70	<a href="#">72-12251-30-1</a>	43.00
6	3.00	Standard Polyurethane	4,100	9.00	6.54	2.50	80	<a href="#">82-06301-60-1</a>	44.00
6	3.00	Phenolic Resin	4,000	9.00	6.54	2.50	80	<a href="#">82-06301-30-1</a>	39.00
6	3.00	Forged Steel	5,000	9.00	6.54	2.50	80	<a href="#">82-06301-20-1</a>	65.00
8	3.00	Standard Polyurethane	5,000	11.00	7.40	2.50	80	<a href="#">82-08301-60-1</a>	50.00
8	3.00	Phenolic Resin	5,000	11.00	7.40	2.50	80	<a href="#">82-08301-30-1</a>	40.00
8	3.00	Forged Steel	5,000	11.00	7.40	2.50	80	<a href="#">82-08301-20-1</a>	62.00
8	3.00	Cast Iron	5,000	11.00	7.40	2.50	80	<a href="#">82-08301-10-1</a>	62.00
10	3.00	Standard Polyurethane	6,000	13.00	8.29	2.50	85	<a href="#">86-10301-60-1</a>	58.00
10	3.00	Phenolic Resin	5,800	13.00	8.29	2.50	85	<a href="#">86-10301-30-1</a>	45.00
10	3.00	H.D. Forged Steel	10,000	13.00	8.29	2.50	85	<a href="#">86-10301-21-1</a>	81.00
10	3.00	Cast Iron	6,000	13.00	8.29	2.50	85	<a href="#">86-10301-10-1</a>	71.00
6	3.00	Forged Steel	11,000	9.00	6.54	2.50	95	<a href="#">96-06301-20-1</a>	85.00
8	4.00	Standard Polyurethane	7,600	11.00	7.92	2.50	95	<a href="#">96-08401-60-1</a>	75.00
10	3.00	H.D. Standard Polyurethane	7,400	13.00	8.29	2.50	95	<a href="#">96-10301-65-1</a>	88.00
10	3.00	Laminated Phenolic	6,000	13.00	8.29	2.50	95	<a href="#">96-10301-35-1</a>	67.00
10	3.00	H.D. Forged Steel	12,000	13.00	8.29	2.50	95	<a href="#">96-10301-21-1</a>	123.00
10	4.00	H.D. Standard Polyurethane	10,000	13.00	8.76	2.50	95	<a href="#">96-10401-65-1</a>	103.00
10	4.00	Standard Polyurethane	8,400	13.00	8.76	2.50	95	<a href="#">96-10401-60-1</a>	90.00
10	5.00	H.D. Standard Polyurethane	12,000	13.00	9.32	2.50	95	<a href="#">96-10501-65-1</a>	103.00
12	3.00	H.D. Standard Polyurethane	7,700	15.50	9.2	2.50	95	<a href="#">96-12301-65-1</a>	108.00
12	3.50	Laminated Phenolic	8,500	15.50	9.52	2.50	95	<a href="#">96-12351-35-1</a>	97.00
12	4.00	H.D. Standard Polyurethane	11,000	15.50	9.52	2.50	95	<a href="#">96-12401-65-1</a>	120.00
12	4.00	H.D. Hard Polyurethane (70D)	13,000	15.50	9.52	2.50	95	<a href="#">96-12401-67-1</a>	100.00
12	5.00	H.D. Standard Polyurethane	12,500	15.50	10.14	2.50	95	<a href="#">96-12501-65-1</a>	150.00
12	5.00	H.D. Hard Polyurethane (70D)	15,000	15.50	10.14	2.50	95	<a href="#">96-12501-67-1</a>	130.00

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# CASTERS DUAL WHEEL

## STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
10	4.00	H.D. Forged Steel	35,000	14.50		3.00	99	<a href="#">2-99-10401-21-1</a>	255.00
12	5.00	Ductile Iron	35,000	16.50		3.00	99	<a href="#">2-99-12501-12-1</a>	436.00
12	5.00	H.D. Hard Polyurethane (70D)	15,000	16.50		3.00	99	<a href="#">2-99-12501-67-1</a>	244.46
18	9.00	H.D. Soft Polyurethane	21,800	22.00		4.50	99	<a href="#">2-99-18901-69-1</a>	533.88
22	8.00	H.D. Soft Polyurethane	23,000	26.00		5.50	99	<a href="#">2-99-22801-69-1</a>	
22	12.00	H.D. Soft Polyurethane	35,000	26.00		5.50	99	<a href="#">2-99-22121-69-1</a>	1,048.00

## STRAIGHT ROLLER BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
4	1.50	Phenolic Resin	1,200	5.63	4.57	2.25	51	<a href="#">2-51-04101-30-1</a>	9.50
4	1.50	Standard Polyurethane	1,350	5.63	4.57	2.25	51	<a href="#">2-51-04101-60-1</a>	11.00
5	1.50	Phenolic Resin	1,200	6.50	5.04	2.25	51	<a href="#">2-51-05101-30-1</a>	10.50
5	1.50	Standard Polyurethane	1,400	6.50	5.04	2.25	51	<a href="#">2-51-05101-60-1</a>	11.50
6	2.00	Cast Iron	1,500	7.50	5.97	2.50	51	<a href="#">2-51-06201-10-1</a>	21.00
6	2.00	Forged Steel	1,500	7.50	5.97	2.50	51	<a href="#">2-51-06201-20-1</a>	20.00
6	2.00	Phenolic Resin	1,500	7.50	5.97	2.50	51	<a href="#">2-51-06201-30-1</a>	13.00
6	2.00	Polyurethane	1,500	7.50	5.97	2.50	51	<a href="#">2-51-06201-60-1</a>	18.00
6	2.00	Mold On Rubber	820	7.50	5.97	2.50	51	<a href="#">2-51-06201-70-1</a>	12.50
3	1.50	Standard Polyurethane	900	5.25	3.44	1.50	61	<a href="#">2-61-03101-60-1</a>	9.00
4	1.50	Phenolic Resin	1,200	5.63	3.88	1.50	61	<a href="#">2-61-04101-30-1</a>	9.50
4	1.50	Standard Polyurethane	1,350	5.63	3.88	1.50	61	<a href="#">2-61-04101-60-1</a>	11.00
4	2.00	Phenolic Resin	1,600	5.88	4.85	2.25	61	<a href="#">2-61-04201-30-1</a>	11.00
4	2.00	Standard Polyurethane	1,500	5.88	4.85	2.25	61	<a href="#">2-61-04201-60-1</a>	12.00
5	1.50	Phenolic Resin	1,200	6.50	4.57	1.75	61	<a href="#">2-61-05101-30-1</a>	10.50
5	1.50	Standard Polyurethane	1,400	6.50	4.57	1.75	61	<a href="#">2-61-05101-60-1</a>	11.50
5	2.00	Forged Steel	3,000	6.88	5.29	2.25	61	<a href="#">2-61-05201-20-1</a>	17.00
5	2.00	Phenolic Resin	2,000	6.88	5.29	2.25	61	<a href="#">2-61-05201-30-1</a>	11.50
5	2.00	Standard Polyurethane	2,100	6.88	5.29	2.25	61	<a href="#">2-61-05201-60-1</a>	15.00
5	2.00	Mold On Rubber	800	6.88	5.29	2.25	61	<a href="#">2-61-05201-70-1</a>	12.50
6	2.00	Cast Iron	2,600	7.88	5.74	2.25	61	<a href="#">2-61-06201-10-1</a>	21.00
6	2.00	Forged Steel	3,000	7.88	5.74	2.25	61	<a href="#">2-61-06201-20-1</a>	20.00
6	2.00	Phenolic Resin	2,400	7.88	5.74	2.25	61	<a href="#">2-61-06201-30-1</a>	13.00
6	2.00	Standard Polyurethane	2,400	7.88	5.74	2.25	61	<a href="#">2-61-06201-60-1</a>	18.00
6	2.00	Mold On Rubber	850	7.88	5.74	2.25	61	<a href="#">2-61-06201-70-1</a>	12.50
8	2.00	Cast Iron	3,000	10.13	6.67	2.25	61	<a href="#">2-61-08201-10-1</a>	26.00
8	2.00	Phenolic Resin	2,800	10.13	6.67	2.25	61	<a href="#">2-61-08201-30-1</a>	18.00
8	2.00	Standard Polyurethane	3,100	10.13	6.67	2.25	61	<a href="#">2-61-08201-60-1</a>	25.00
8	2.00	Mold On Rubber	1,000	10.13	6.67	2.25	61	<a href="#">2-61-08201-70-1</a>	35.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [96-10509-65-2](#))

See series codes for top plate and bolt hole dimensions.

All dimensions are in inches. All weights are in pounds.

CONTINUED

# CASTERS DUAL WHEEL

## STRAIGHT ROLLER BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Mold On Rubber	1,400	8.00	6.29	2.25	71	<a href="#">2-71-06301-70-1</a>	37.00
6	3.00	Standard Polyurethane	4,100	8.00	6.29	2.25	71	<a href="#">2-71-06301-60-1</a>	40.00
6	3.00	Phenolic Resin	4,000	8.00	6.29	2.25	71	<a href="#">2-71-06301-30-1</a>	26.00
6	3.00	Cast Iron	4,500	8.00	6.29	2.25	71	<a href="#">2-71-06301-10-1</a>	37.00
8	3.00	Mold On Rubber	1,700	10.50	7.36	2.50	71	<a href="#">2-71-08301-70-1</a>	38.00
8	3.00	Standard Polyurethane	4,500	10.50	7.36	2.50	71	<a href="#">2-71-08301-60-1</a>	40.00
8	3.00	Phenolic Resin	4,500	10.50	7.36	2.50	71	<a href="#">2-71-08301-30-1</a>	30.00
10	3.00	Mold On Rubber	2,000	12.50	8.26	2.50	71	<a href="#">2-71-10301-70-1</a>	42.00
10	3.00	Standard Polyurethane	4,500	12.50	8.26	2.50	71	<a href="#">2-71-10301-60-1</a>	52.00
10	3.00	Phenolic Resin	4,500	12.50	8.26	2.50	71	<a href="#">2-71-10301-30-1</a>	35.00
12	3.00	Mold On Rubber	2,250	14.00	9.18	2.50	71	<a href="#">2-71-12301-70-1</a>	51.00
12	3.00	Standard Polyurethane	4,500	14.00	9.18	2.50	71	<a href="#">2-71-12301-60-1</a>	58.00
12	3.00	Phenolic Resin	4,500	14.00	9.18	2.50	71	<a href="#">2-71-12301-30-1</a>	43.00
6	3.00	Standard Polyurethane	4,100	9.00	6.53	2.50	81	<a href="#">2-81-06301-60-1</a>	44.00
6	3.00	Phenolic Resin	4,000	9.00	6.53	2.50	81	<a href="#">2-81-06301-30-1</a>	39.00
6	3.00	Forged Steel	10,000	9.00	6.53	2.50	81	<a href="#">2-81-06301-20-1</a>	65.00
8	3.00	Standard Polyurethane	5,000	11.00	7.39	2.50	81	<a href="#">2-81-08301-60-1</a>	50.00
8	3.00	Phenolic Resin	5,000	11.00	7.39	2.50	81	<a href="#">2-81-08301-30-1</a>	40.00
8	3.00	Forged Steel	9,000	11.00	7.39	2.50	81	<a href="#">2-81-08301-20-1</a>	62.00
8	3.00	Cast Iron	7,000	11.00	7.39	2.50	81	<a href="#">2-81-08301-10-1</a>	62.00
10	3.00	Standard Polyurethane	6,000	13.00	8.28	2.50	81	<a href="#">2-81-10301-60-1</a>	58.00
10	3.00	Phenolic Resin	5,800	13.00	8.28	2.50	81	<a href="#">2-81-10301-30-1</a>	45.00
10	3.00	H.D. Forged Steel	10,000	13.00	8.28	2.50	81	<a href="#">2-81-10301-21-1</a>	81.00
10	3.00	Cast Iron	7,000	13.00	8.28	2.50	81	<a href="#">2-81-10301-10-1</a>	71.00
6	3.00	Forged Steel	12,000	9.50	6.53	2.50	91	<a href="#">2-91-06301-20-1</a>	85.00
8	4.00	Standard Polyurethane	7,600	11.50	7.92	2.50	91	<a href="#">2-91-08401-60-1</a>	75.00
10	3.00	H.D. Standard Polyurethane	7,400	13.50	8.28	2.50	91	<a href="#">2-91-10301-65-1</a>	88.00
10	3.00	Laminated Phenolic	6,800	13.50	8.28	2.50	91	<a href="#">2-91-10301-35-1</a>	67.00
10	3.00	H.D. Forged Steel	12,000	13.50	8.28	2.50	91	<a href="#">2-91-10301-21-1</a>	123.00
10	4.00	H.D. Standard Polyurethane	10,000	13.50	8.76	2.50	91	<a href="#">2-91-10401-65-1</a>	103.00
10	4.00	Standard Polyurethane	8,400	13.50	8.76	2.50	91	<a href="#">2-91-10401-60-1</a>	90.00
10	5.00	H.D. Standard Polyurethane	12,000	13.75	9.31	2.50	91	<a href="#">2-91-10501-65-1</a>	103.00
12	3.00	H.D. Standard Polyurethane	7,700	15.50	9.2	2.50	91	<a href="#">2-91-12301-65-1</a>	108.00
12	3.50	Laminated Phenolic	8,500	15.50	9.51	2.50	91	<a href="#">2-91-12351-35-1</a>	97.00
12	4.00	H.D. Standard Polyurethane	11,000	15.50	9.63	2.50	91	<a href="#">2-91-12401-65-1</a>	120.00
12	4.00	H.D. Hard Polyurethane (70D)	13,000	15.50	10.14	2.50	91	<a href="#">2-91-12401-67-1</a>	120.00
12	5.00	H.D. Standard Polyurethane	12,500	15.75	10.14	2.50	91	<a href="#">2-91-12501-65-1</a>	150.00
12	5.00	H.D. Hard Polyurethane (70D)	15,000	15.75	10.14	2.50	91	<a href="#">2-91-12501-67-1</a>	130.00

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# CASTERS DUAL WHEEL

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	2.50	Mold On Rubber	1,080	8.00	6.16	2.25	70	<a href="#">72-06259-70-1</a>	37.00
6	2.50	Standard Polyurethane	3,500	8.00	6.16	2.25	70	<a href="#">72-06259-60-1</a>	40.00
6	2.50	Phenolic Resin	3,500	8.00	6.16	2.25	70	<a href="#">72-06259-30-1</a>	26.00
6	2.50	Cast Iron	3,500	8.00	6.16	2.25	70	<a href="#">72-06259-10-1</a>	37.00
8	2.50	Mold On Rubber	1,340	10.50	7.25	2.50	70	<a href="#">72-08259-70-1</a>	38.00
8	2.50	Standard Polyurethane	3,500	10.50	7.25	2.50	70	<a href="#">72-08259-60-1</a>	40.00
8	2.50	Phenolic Resin	3,500	10.50	7.25	2.50	70	<a href="#">72-08259-30-1</a>	30.00
10	2.50	Mold On Rubber	1,550	12.50	8.16	2.50	70	<a href="#">72-10259-70-1</a>	42.00
10	2.50	Standard Polyurethane	3,500	12.50	8.16	2.50	70	<a href="#">72-10259-60-1</a>	52.00
10	2.50	Phenolic Resin	3,500	12.50	8.16	2.50	70	<a href="#">72-10259-30-1</a>	35.00
12	2.50	Mold On Rubber	1,800	14.00	9.09	2.50	70	<a href="#">72-12259-70-1</a>	51.00
12	2.50	Standard Polyurethane	3,500	14.00	9.09	2.50	70	<a href="#">72-12259-60-1</a>	58.00
12	2.50	Phenolic Resin	3,500	14.00	9.09	2.50	70	<a href="#">72-12259-30-1</a>	43.00
6	3.00	Standard Polyurethane	4,100	9.00	6.54	2.50	80	<a href="#">82-06309-60-1</a>	44.00
6	3.00	Phenolic Resin	4,000	9.00	6.54	2.50	80	<a href="#">82-06309-30-1</a>	39.00
6	3.00	Forged Steel	5,000	9.00	6.54	2.50	80	<a href="#">82-06309-20-1</a>	65.00
8	3.00	Standard Polyurethane	5,000	11.00	7.40	2.50	80	<a href="#">82-08309-60-1</a>	50.00
8	3.00	Phenolic Resin	5,000	11.00	7.40	2.50	80	<a href="#">82-08309-30-1</a>	40.00
8	3.00	Forged Steel	5,000	11.00	7.40	2.50	80	<a href="#">82-08309-20-1</a>	62.00
8	3.00	Cast Iron	5,000	11.00	7.40	2.50	80	<a href="#">82-08309-10-1</a>	62.00
10	3.00	Standard Polyurethane	6,000	13.00	8.29	2.50	85	<a href="#">86-10309-60-1</a>	58.00
10	3.00	Phenolic Resin	5,800	13.00	8.29	2.50	85	<a href="#">86-10309-30-1</a>	45.00
10	3.00	H.D. Forged Steel	10,000	13.00	8.29	2.50	85	<a href="#">86-10309-21-1</a>	81.00
10	3.00	Cast Iron	6,000	13.00	8.29	2.50	85	<a href="#">86-10309-10-1</a>	71.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [96-10509-65-2](#))

See series codes for top plate and bolt hole dimensions.

All dimensions are in inches. All weights are in pounds.

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# CASTERS DUAL WHEEL

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Forged Steel	17,000	9.00	6.54	2.50	95	<a href="#">96-06309-20-1</a>	85.00
6	5.00	H.D. Standard Polyurethane	7,400	9.00	7.80	2.50	95	<a href="#">96-06509-65-1</a>	90.00
8	3.00	H.D. Standard Polyurethane	6,200	11.00	7.40	2.50	95	<a href="#">96-08309-65-1</a>	75.00
8	4.00	Standard Polyurethane	7,600	11.00	7.92	2.50	95	<a href="#">96-08409-60-1</a>	75.00
8	4.00	H.D. Forged Steel	17,000	11.00	7.92	2.50	95	<a href="#">96-08409-21-1</a>	112.00
10	3.00	H.D. Standard Polyurethane	7,400	13.00	8.29	2.50	95	<a href="#">96-10309-65-1</a>	88.00
10	3.00	Laminated Phenolic	6,000	13.00	8.29	2.50	95	<a href="#">96-10309-35-1</a>	67.00
10	3.00	H.D. Forged Steel	13,000	13.00	8.29	2.50	95	<a href="#">96-10309-21-1</a>	123.00
10	4.00	H.D. Forged Steel	17,000	13.00	8.76	2.50	95	<a href="#">96-10409-21-1</a>	140.00
10	4.00	H.D. Standard Polyurethane	10,000	13.00	8.76	2.50	95	<a href="#">96-10409-65-1</a>	103.00
10	4.00	Standard Polyurethane	8,400	13.00	8.76	2.50	95	<a href="#">96-10409-60-1</a>	90.00
10	5.00	H.D. Standard Polyurethane	12,000	13.00	9.32	2.50	95	<a href="#">96-10509-65-1</a>	103.00
12	3.00	H.D. Standard Polyurethane	7,700	15.50	9.20	2.50	95	<a href="#">96-12309-65-1</a>	108.00
12	3.50	Laminated Phenolic	8,500	15.50	9.52	2.50	95	<a href="#">96-12359-35-1</a>	97.00
12	4.00	H.D. Standard Polyurethane	11,000	15.50	9.52	2.50	95	<a href="#">96-12409-65-1</a>	120.00
12	4.00	H.D. Hard Polyurethane (70D)	13,000	15.50	9.52	2.50	95	<a href="#">96-12409-67-1</a>	100.00
12	5.00	H.D. Standard Polyurethane	12,500	15.50	10.14	2.50	95	<a href="#">96-12509-65-1</a>	150.00
12	5.00	H.D. Hard Polyurethane (70D)	15,000	15.50	10.14	2.50	95	<a href="#">96-12509-67-1</a>	130.00
16	5.00	H.D. Standard Polyurethane	16,000	19.00	13.21	4.00	95	<a href="#">96-16509-65-1</a>	200.00
16	5.00	H.D. Hard Polyurethane (70D)	16,000	19.00	13.21	4.00	95	<a href="#">96-16509-67-1</a>	200.00
18	5.00	H.D. Standard Polyurethane	17,000	23.00	14.13	4.00	95	<a href="#">96-18509-65-1</a>	220.00
18	5.00	H.D. Hard Polyurethane (70D)	17,000	23.00	14.13	4.00	95	<a href="#">96-18509-67-1</a>	220.00

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Forged Steel	10,000	9.50	6.33	2.25	97	<a href="#">2-97-06309-20-1</a>	
6	3.00	H.D. Forged Steel	10,000	9.50	6.33	2.25	97	<a href="#">2-97-06309-21-1</a>	
6	4.00	H.D. Standard Polyurethane	6,000	9.50	6.94	2.25	97	<a href="#">2-97-06409-65-1</a>	
6	4.00	HPPT Polyurethane	9,200	9.50	6.94	2.25	97	<a href="#">2-97-06409-95-1</a>	
6	4.00	H.D. T/R-95 Polyurethane	8,280	9.50	6.94	2.25	97	<a href="#">2-97-06409-96-1</a>	
8	4.00	Forged Steel	10,000	11.50	7.72	2.25	97	<a href="#">2-97-08409-20-1</a>	
8	4.00	H.D. Forged Steel	10,000	11.50	7.72	2.25	97	<a href="#">2-97-08409-21-1</a>	
8	4.00	Standard Polyurethane	7,600	11.50	7.72	2.25	97	<a href="#">2-97-08409-60-1</a>	
10	3.00	Laminated Phenolic	6,800	13.50	8.29	2.50	97	<a href="#">2-97-10309-35-1</a>	
10	3.00	H.D. Forged Steel	10,000	13.50	8.29	2.50	97	<a href="#">2-97-10309-21-1</a>	
10	3.00	H.D. Standard Polyurethane	7,400	13.50	8.29	2.50	97	<a href="#">2-97-10309-65-1</a>	
10	3.00	H.D. T/R-95 Polyurethane	8,700	13.50	8.29	2.50	97	<a href="#">2-97-10309-96-1</a>	
10	4.00	Forged Steel	10,000	13.50	8.76	2.50	97	<a href="#">2-97-10409-20-1</a>	
10	4.00	H.D. Forged Steel	10,000	13.50	8.76	2.50	97	<a href="#">2-97-10409-21-1</a>	
10	4.00	Standard Polyurethane	8,400	13.50	8.76	2.50	97	<a href="#">2-97-10409-60-1</a>	

CONTINUED

# CASTERS DUAL WHEEL

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
10	4.00	H.D. Standard Polyurethane	10,000	13.50	8.76	2.50	97	<a href="#">2-97-10409-65-1</a>	
10	4.00	HPPT Polyurethane	10,000	13.50	8.76	2.50	97	<a href="#">2-97-10409-95-1</a>	
10	4.00	H.D. T/R-95 Polyurethane	10,000	13.50	8.76	2.50	97	<a href="#">2-97-10409-96-1</a>	
10	5.00	H.D. Standard Polyurethane	10,000	13.75	9.32	2.50	97	<a href="#">2-97-10509-65-1</a>	
10	5.00	HPPT Polyurethane	10,000	13.75	9.32	2.50	97	<a href="#">2-97-10509-95-1</a>	
10	5.00	H.D. T/R-95 Polyurethane	10,000	13.50	9.32	2.50	97	<a href="#">2-97-10509-96-1</a>	
12	4.00	Ductile Iron	10,000	15.50	9.63	2.50	97	<a href="#">2-97-12409-12-1</a>	
12	4.00	H.D. Standard Polyurethane	10,000	15.50	9.63	2.50	97	<a href="#">2-97-12409-65-1</a>	
12	4.00	HPPT Polyurethane	10,000	15.50	9.63	2.50	97	<a href="#">2-97-12409-95-1</a>	
12	4.00	H.D. T/R-95 Polyurethane	10,000	15.50	9.63	2.50	97	<a href="#">2-97-12409-96-1</a>	
12	5.00	Ductile Iron	10,000	15.75	10.14	2.50	97	<a href="#">2-97-12509-12-1</a>	
12	5.00	H.D. Standard Polyurethane	10,000	15.75	10.14	2.50	97	<a href="#">2-97-12509-65-1</a>	
12	5.00	HPPT Polyurethane	10,000	15.75	10.14	2.50	97	<a href="#">2-97-12509-95-1</a>	
12	5.00	H.D. T/R-95 Polyurethane	10,000	15.75	10.14	2.50	97	<a href="#">2-97-12509-96-1</a>	
16	5.00	H.D. Standard Polyurethane	10,000	19.75	12.31	3.00	97	<a href="#">2-97-16509-65-1</a>	
16	5.00	HPPT Polyurethane	10,000	19.75	12.31	3.00	97	<a href="#">2-97-16509-95-1</a>	
16	5.00	H.D. T/R-95 Polyurethane	10,000	19.75	12.31	3.00	97	<a href="#">2-97-16509-96-1</a>	
18	5.00	H.D. Standard Polyurethane	10,000	21.75	14.13	4.00	97	<a href="#">2-97-18509-65-1</a>	
18	5.00	HPPT Polyurethane	10,000	21.75	14.13	4.00	97	<a href="#">2-97-18509-95-1</a>	
18	5.00	H.D. T/R-95 Polyurethane	10,000	21.75	14.13	4.00	97	<a href="#">2-97-18509-96-1</a>	
20	5.00	H.D. Standard Polyurethane	10,000	23.75	15.05	4.00	97	<a href="#">2-97-20509-65-1</a>	
20	5.00	HPPT Polyurethane	10,000	23.75	15.05	4.00	97	<a href="#">2-97-20509-95-1</a>	
20	5.00	H.D. T/R-95 Polyurethane	10,000	23.75	15.05	4.00	97	<a href="#">2-97-20509-96-1</a>	

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Forged Steel	12,000	10.75	6.33	2.25	97	<a href="#">2-97HD-06309-20-1</a>	
6	3.00	H.D. Forged Steel	20,000	10.75	6.33	2.25	97	<a href="#">2-97HD-06309-21-1</a>	
6	4.00	H.D. Standard Polyurethane	6,000	10.75	6.94	2.25	97	<a href="#">2-97HD-06409-65-1</a>	
6	4.00	HPPT Polyurethane	9,200	10.75	6.94	2.25	97	<a href="#">2-97HD-06409-95-1</a>	
6	4.00	H.D. T/R-95 Polyurethane	8,280	10.75	6.94	2.25	97	<a href="#">2-97HD-06409-96-1</a>	
8	4.00	Forged Steel	16,800	12.75	7.72	2.25	97	<a href="#">2-97HD-08409-20-1</a>	
8	4.00	H.D. Forged Steel	20,000	12.75	7.72	2.25	97	<a href="#">2-97HD-08409-21-1</a>	
8	4.00	Standard Polyurethane	7,600	12.75	7.72	2.25	97	<a href="#">2-97HD-08409-60-1</a>	
10	3.00	Laminated Phenolic	6,800	14.50	8.29	2.50	97	<a href="#">2-97HD-10309-35-1</a>	
10	3.00	H.D. Forged Steel	13,000	14.50	8.29	2.50	97	<a href="#">2-97HD-10309-21-1</a>	
10	3.00	H.D. Standard Polyurethane	7,400	14.50	8.29	2.50	97	<a href="#">2-97HD-10309-65-1</a>	
10	3.00	H.D. T/R-95 Polyurethane	8,700	14.50	8.29	2.50	97	<a href="#">2-97HD-10309-96-1</a>	
10	4.00	Forged Steel	16,800	14.50	8.76	2.50	97	<a href="#">2-97HD-10409-20-1</a>	
10	4.00	H.D. Forged Steel	20,000	14.50	8.76	2.50	97	<a href="#">2-97HD-10409-21-1</a>	

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [96-10509-65-2](#))

See series codes for top plate and bolt hole dimensions.

All dimensions are in inches. All weights are in pounds.

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# CASTERS DUAL WHEEL

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
10	4.00	Standard Polyurethane	8,400	14.50	8.76	2.50	97	<a href="#">2-97HD-10409-60-1</a>	
10	4.00	H.D. Standard Polyurethane	10,000	14.50	8.76	2.50	97	<a href="#">2-97HD-10409-65-1</a>	
10	4.00	HPPT Polyurethane	13,000	14.50	8.76	2.50	97	<a href="#">2-97HD-10409-95-1</a>	
10	4.00	H.D. T/R-95 Polyurethane	11,700	14.50	8.76	2.50	97	<a href="#">2-97HD-10409-96-1</a>	
10	5.00	H.D. Standard Polyurethane	12,000	14.50	9.32	2.50	97	<a href="#">2-97HD-10509-65-1</a>	
10	5.00	HPPT Polyurethane	15,800	14.50	9.32	2.50	97	<a href="#">2-97HD-10509-95-1</a>	
10	5.00	H.D. T/R-95 Polyurethane	14,200	14.50	9.32	2.50	97	<a href="#">2-97HD-10509-96-1</a>	
12	4.00	Ductile Iron	15,000	16.75	9.63	2.50	97	<a href="#">2-97HD-12409-12-1</a>	
12	4.00	H.D. Standard Polyurethane	11,000	16.75	9.63	2.50	97	<a href="#">2-97HD-12409-65-1</a>	
12	4.00	HPPT Polyurethane	14,000	16.75	9.63	2.50	97	<a href="#">2-97HD-12409-95-1</a>	
12	4.00	H.D. T/R-95 Polyurethane	12,600	16.75	9.63	2.50	97	<a href="#">2-97HD-12409-96-1</a>	
12	5.00	Ductile Iron	20,000	16.75	10.14	2.50	97	<a href="#">2-97HD-12509-12-1</a>	
12	5.00	H.D. Standard Polyurethane	13,000	16.75	10.14	2.50	97	<a href="#">2-97HD-12509-65-1</a>	
12	5.00	HPPT Polyurethane	16,800	16.75	10.14	2.50	97	<a href="#">2-97HD-12509-95-1</a>	
12	5.00	H.D. T/R-95 Polyurethane	15,120	16.75	10.14	2.50	97	<a href="#">2-97HD-12509-96-1</a>	
16	4.00	H.D. Standard Polyurethane	12,000	20.75	11.90	3.00	97	<a href="#">2-97HD-16409-65-1</a>	
16	4.00	HPPT Polyurethane	16,250	20.75	11.90	3.00	97	<a href="#">2-97HD-16409-95-1</a>	
16	4.00	H.D. T/R-95 Polyurethane	14,600	20.75	11.90	3.00	97	<a href="#">2-97HD-16409-96-1</a>	
16	5.00	H.D. Standard Polyurethane	16,000	20.75	12.31	3.00	97	<a href="#">2-97HD-16509-65-1</a>	
16	5.00	HPPT Polyurethane	18,250	20.75	12.31	3.00	97	<a href="#">2-97HD-16509-95-1</a>	
16	5.00	H.D. T/R-95 Polyurethane	16,400	20.75	12.31	3.00	97	<a href="#">2-97HD-16509-96-1</a>	
18	5.00	H.D. Standard Polyurethane	17,000	22.75	14.13	4.00	97	<a href="#">2-97HD-18509-65-1</a>	
18	5.00	HPPT Polyurethane	19,000	22.75	14.13	4.00	97	<a href="#">2-97HD-18509-95-1</a>	
18	5.00	H.D. T/R-95 Polyurethane	17,100	22.75	14.13	4.00	97	<a href="#">2-97HD-18509-96-1</a>	
20	5.00	H.D. Standard Polyurethane	18,000	24.75	15.05	4.00	97	<a href="#">2-97HD-20509-65-1</a>	
20	5.00	HPPT Polyurethane	20,000	24.75	15.05	4.00	97	<a href="#">2-97HD-20509-95-1</a>	
20	5.00	H.D. T/R-95 Polyurethane	20,000	24.75	15.05	4.00	97	<a href="#">2-97HD-20509-96-1</a>	

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
18	7.00	H.D. Forged Steel	50,000	24.00	16.56	5.50	99	<a href="#">2-99HD-18709-20-1</a>	
22	12.00	H.D. Hard Polyurethane (70D)	35,000	28.00	21.02	5.50	99	<a href="#">2-99HD-22129-96-1</a>	
28	16.00	H.D. Soft Polyurethane	50,000	34.00	25.56	5.50	99	<a href="#">2-99HD-28169-69-1</a>	1,675.00

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Mold On Rubber	1,400	8.00	6.29	2.25	71	<a href="#">2-71-06309-70-1</a>	37.00
6	3.00	Standard Polyurethane	4,100	8.00	6.29	2.25	71	<a href="#">2-71-06309-60-1</a>	40.00
6	3.00	Cast Iron	4,500	8.00	6.29	2.25	71	<a href="#">2-71-06309-10-1</a>	37.00

CONTINUED

# CASTERS DUAL WHEEL

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	3.00	Mold On Rubber	1,700	10.50	7.36	2.50	71	<a href="#">2-71-08309-70-1</a>	38.00
8	3.00	Standard Polyurethane	4,500	10.50	7.36	2.50	71	<a href="#">2-71-08309-60-1</a>	40.00
10	3.00	Mold On Rubber	2,000	12.50	8.26	2.50	71	<a href="#">2-71-10309-70-1</a>	42.00
10	3.00	Standard Polyurethane	4,500	12.50	8.26	2.50	71	<a href="#">2-71-10309-60-1</a>	52.00
10	3.00	Phenolic Resin	4,500	12.50	8.26	2.50	71	<a href="#">2-71-10309-30-1</a>	35.00
12	3.00	Mold On Rubber	2,250	14.00	9.18	2.50	71	<a href="#">2-71-12309-70-1</a>	51.00
12	3.00	Standard Polyurethane	4,500	14.00	9.18	2.50	71	<a href="#">2-71-12309-60-1</a>	58.00
12	3.00	Phenolic Resin	4,500	14.00	9.18	2.50	71	<a href="#">2-71-12309-30-1</a>	43.00

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Standard Polyurethane	4,100	9.00	6.53	2.50	81	<a href="#">2-81-06309-60-1</a>	44.00
6	3.00	Phenolic Resin	4,000	9.00	6.53	2.50	81	<a href="#">2-81-06309-30-1</a>	39.00
6	3.00	Forged Steel	10,000	9.00	6.53	2.50	81	<a href="#">2-81-06309-20-1</a>	65.00
8	3.00	Standard Polyurethane	5,000	11.00	7.39	2.50	81	<a href="#">2-81-08309-60-1</a>	50.00
8	3.00	Phenolic Resin	5,000	11.00	7.39	2.50	81	<a href="#">2-81-08309-30-1</a>	40.00
8	3.00	Forged Steel	9,000	11.00	7.39	2.50	81	<a href="#">2-81-08309-20-1</a>	62.00
8	3.00	Cast Iron	7,000	11.00	7.39	2.50	81	<a href="#">2-81-08309-10-1</a>	62.00
10	3.00	Standard Polyurethane	6,000	13.00	8.28	2.50	81	<a href="#">2-81-10309-60-1</a>	58.00
10	3.00	Phenolic Resin	5,800	13.00	8.28	2.50	81	<a href="#">2-81-10309-30-1</a>	45.00
10	3.00	H.D. Forged Steel	10,000	13.00	8.28	2.50	81	<a href="#">2-81-10309-21-1</a>	81.00
10	3.00	Cast Iron	7,000	13.00	8.28	2.50	81	<a href="#">2-81-10309-10-1</a>	71.00
6	3.00	Forged Steel	12,000	9.50	6.53	2.50	91	<a href="#">2-91-06309-20-1</a>	85.00
6	5.00	H.D. Standard Polyurethane	7,400	9.75	7.8	2.50	91	<a href="#">2-91-06509-65-1</a>	90.00
8	3.00	H.D. Standard Polyurethane	6,200	11.50	7.39	2.50	91	<a href="#">2-91-08309-65-1</a>	75.00
8	4.00	Standard Polyurethane	7,600	11.50	7.92	2.50	91	<a href="#">2-91-08409-60-1</a>	75.00
8	4.00	H.D. Forged Steel	20,000	11.50	7.92	2.50	91	<a href="#">2-91-08409-21-1</a>	112.00
10	3.00	H.D. Standard Polyurethane	7,400	13.50	8.28	2.50	91	<a href="#">2-91-10309-65-1</a>	88.00
10	3.00	Laminated Phenolic	6,800	13.50	8.28	2.50	91	<a href="#">2-91-10309-35-1</a>	67.00
10	3.00	H.D. Forged Steel	12,000	13.50	8.28	2.50	91	<a href="#">2-91-10309-21-1</a>	123.00
10	4.00	H.D. Forged Steel	20,000	13.50	8.76	2.50	91	<a href="#">2-91-10409-21-1</a>	140.00
10	4.00	H.D. Standard Polyurethane	10,000	13.50	8.76	2.50	91	<a href="#">2-91-10409-65-1</a>	103.00
10	4.00	Standard Polyurethane	8,400	13.50	8.76	2.50	91	<a href="#">2-91-10409-60-1</a>	90.00
10	5.00	H.D. Standard Polyurethane	12,000	13.75	9.31	2.50	91	<a href="#">2-91-10509-65-1</a>	103.00
12	3.00	H.D. Standard Polyurethane	7,700	15.50	9.2	2.50	91	<a href="#">2-91-12309-65-1</a>	108.00
12	3.50	Laminated Phenolic	8,500	15.50	9.51	2.50	91	<a href="#">2-91-12359-35-1</a>	97.00
12	4.00	H.D. Standard Polyurethane	11,000	15.50	9.63	2.50	91	<a href="#">2-91-12409-65-1</a>	120.00
12	4.00	H.D. Hard Polyurethane (70D)	13,000	15.50	10.14	2.50	91	<a href="#">2-91-12409-67-1</a>	120.00
12	5.00	H.D. Standard Polyurethane	12,500	15.75	10.14	2.50	91	<a href="#">2-91-12509-65-1</a>	150.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [96-10509-65-2](#))

See series codes for top plate and bolt hole dimensions.

All dimensions are in inches. All weights are in pounds.

# CONTINUED

# CASTERS DUAL WHEEL

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
12	5.00	H.D. Hard Polyurethane (70D)	15,000	15.75	10.14	2.50	91	<a href="#">2-91-12509-67-1</a>	130.00
16	5.00	H.D. Standard Polyurethane	16,000	19.75	13.21	4.00	91	<a href="#">2-91-16509-65-1</a>	200.00
16	5.00	H.D. Hard Polyurethane (70D)	18,000	19.75	13.21	4.00	91	<a href="#">2-91-16509-67-1</a>	200.00
18	5.00	H.D. Standard Polyurethane	17,000	21.75	14.12	4.00	91	<a href="#">2-91-18509-65-1</a>	220.00
18	5.00	H.D. Hard Polyurethane (70D)	18,000	21.75	14.12	4.00	91	<a href="#">2-91-18509-67-1</a>	220.00
20	5.00	H.D. Standard Polyurethane	18,000	23.75	15.05	4.00	91	<a href="#">2-91-20509-65-1</a>	240.00
20	5.00	H.D. Hard Polyurethane (70D)	20,000	23.75	15.05	4.00	91	<a href="#">2-91-20509-67-1</a>	240.00



## ALUMINUM CASTERS MODERN SUSPENSION



# ALUMINUM CASTERS MODERN SUSPENSION



## FEATURES

**Swivel Section:** Aluminum constructed, including the yoke, swivel section, and wheel core. Steel constructed casters available.

**Axle:** 5/16" - 3/4" diameter axles.

**Lubrication:** Pre-lubricated before shipping.

**Wheels:** 3" to 16" diameter wheels. Single and dual wheel options available.

## APPLICATIONS

Aviation Equipment / Ground Support  
Aerospace Manufacturing / Aircraft Dollies  
Airline Catering / Food Service  
Assembly Fixtures / Automotive  
Cargo Decks / Pallet Trailers  
Defense / Military Equipment  
Electronics / Office Equipment  
Luggage Racks / Hotel Equipment  
Race Car Pit Carts / Tooling Fixtures  
Staging / Mobile Movie Sets

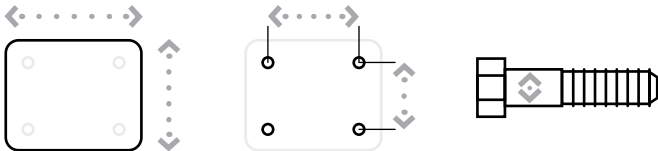
## BENEFITS

Our Modern Suspension® casters utilize our Vari-Flex linear suspension system, which achieves optimal shock reduction, and drastically reduces shimmy, dynamic bounce and resonance when the cart is empty, or loaded beyond its rated capacity.

In addition, our dual wheel models feature a completely independent suspension. Each wheel is on its own separate axle with separate legs. This helps to keep both wheels on the ground and help keep the load level, even when the ground isn't.

### MAXIMUM CAPACITY

# 25,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
25 Series Standard: 3.75" x 2.75"	3" x 1.75"	0.312"
33 Series Standard: 4.5" x 3.75"	3.625" x 2.625"	0.375"
38 Series Standard: 6.75" x 6"	5.50" x 4.625"	0.5"
38-3 Series Standard: 6.75" x 6"	5.50" x 4.625"	0.5"
39 Series Standard: 6.75" x 6"	5.50" x 4.625"	0.5"
40 Series Standard: 11" x 9"	9.75" x 7"	0.625"
40H Series Standard: 11" x 9"	9.75" x 7"	0.625"
138 Series Standard: 11" x 9"	9.75" x 7"	0.625"
140 Series Standard: 11" x 9"	9.75" x 7"	0.625"

### TOP PLATES CONTINUED

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
339 Series Standard: 11" x 9"	9.75" x 7"	0.625"
340 Series Standard: 11" x 9"	9.75" x 7"	0.625"
440 Series Standard: 12" x 12"	8.50" x 8.50"	0.75"
539 Series Standard: 12" x 12"	8.50" x 8.50"	0.75"
539H Series Standard: 12" x 12"	8.50" x 8.50"	0.75"

# ALUMINUM CASTERS

## MODERN SUSPENSION

### 25 SERIES ALUMINUM CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
3	1.38	Thermoplastic	160-442	5.5	4.75	3.19	25	4.75
6	1.25	Mold On Rubber	100-276	8.31	7.31	6.25	25	5
6	1.38	Standard Polyurethane	100-276	8.31	7.31	6.25	25	5

### 33 SERIES ALUMINUM CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
4	2.00	Phenolic Resin	210-625	7.31	5.94	3.88	33	5.75
4	2.00	Standard Polyurethane	210-625	7.31	5.94	3.88	33	5.75
6	2.00	Phenolic Resin	135-540	9.13	7.63	5.50	33	6.75
6	2.00	Standard Polyurethane	135-540	9.13	7.63	5.50	33	6.75
8	2.00	Standard Polyurethane	90-360	11.38	9.63	7.38	33	10.75

### 38 SERIES ALUMINUM CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
6	2.00	Standard Polyurethane	490-995	9.88	8.38	5.38	38	18.00
8	2.50	Mold On Rubber	470-955	11.88	10.38	6.63	38	21.00
8	2.50	Phenolic Resin	470-955	11.88	10.38	6.63	38	21.00
8	2.50	Standard Polyurethane	470-955	11.88	10.38	6.63	38	21.00

### 39 SERIES ALUMINUM CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
8	2.50	Mold On Rubber	425-3,600	11.75	10.25	8.13	39	38.00
8	3.00	Standard Polyurethane	425-3,600	11.75	10.25	8.13	39	38.00
10	3.00	Mold On Rubber	400-3,000	14.38	12.38	9.38	39	41.00
10	3.00	Standard Polyurethane	400-3,000	14.38	12.38	9.38	39	41.00
10	3.00	Phenolic Resin	400-3,000	14.38	12.38	9.38	39	41.00
12	3.00	Standard Polyurethane	350-3,150	17.00	15.00	10.63	39	44.00

### 138 SERIES ALUMINUM CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
10	4.00	Mold On Rubber	1,600-4,750	15.75	13.25	10.00	138	90.00
10	4.00	Standard Polyurethane	1,600-4,750	15.75	13.25	10.00	138	90.00

### 339 SERIES ALUMINUM CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
16	5.00	Mold On Rubber	3,740-7,824	21.88	19.13	15.00	339	185.00
16	5.00	Standard Polyurethane	3,740-7,824	21.88	19.13	15.00	339	185.00

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part numbers listed are for the swivel casters. For rigid casters, please consult factory.  
 All dimensions are in inches. All weights are in pounds.  
 Swivel radius is for unloaded caster.

CONTINUED

# STEEL CASTERS

## MODERN SUSPENSION

### 33 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
4	2.00	Phenolic Resin	200-675	7.31	6.31	3.88	33	14.50
4	2.00	Standard Polyurethane	200-675	7.31	6.31	3.88	33	14.50
6	2.00	Phenolic Resin	135-625	9.25	8.13	5.50	33	16.50
6	2.00	Standard Polyurethane	135-625	9.25	8.13	5.50	33	16.50
8	2.00	Standard Polyurethane	135-460	11.63	10.38	7.38	33	20.00

### 38 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
6	2.00	Standard Polyurethane	640-900	9.69	8.31	5.38	38	28.00
8	2.50	Mold On Rubber	440-1,200	11.94	10.44	6.63	38	31.00
8	2.50	Phenolic Resin	440-1,200	11.94	10.44	6.63	38	31.00
8	2.50	Standard Polyurethane	440-1,200	11.94	10.44	6.63	38	31.00
10			425-800	13.75	12.13	8.38	38	35.00

### 38-3 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
6	3.00	Standard Polyurethane	885-1,400	9.69	8.31	5.38	38-3	30.00
8	2.50	Phenolic Resin	660-1,800	11.94	10.44	6.63	38-3	32.00
8	2.50	Standard Polyurethane	660-1,800	11.94	10.44	6.63	38-3	32.00
8	3.00	Standard Polyurethane	660-1,800	11.94	10.44	6.63	38-3	32.00
10	3.00	Standard Polyurethane	650-1,160	13.75	12.13	8.38	38-3	36.00

### 39 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
8	2.50	Mold On Rubber	375-3,570	11.81	10.31	8.13	39	51.00
8	3.00	Standard Polyurethane	375-3,570	14.38	10.31	8.13	39	51.00
10	3.00	Mold On Rubber	390-3,212	14.38	12.50	9.38	39	54.00
10	3.00	Standard Polyurethane	390-3,212	14.38	12.50	9.38	39	54.00
10	3.00	Phenolic Resin	390-3,212	14.38	12.50	9.38	39	54.00
12	3.00	Standard Polyurethane	320-3,100	17.06	15.06	10.63	39	65.00
16	3.00	Standard Polyurethane	1,665-2,954	20.13	16.50	14.63	39	93.00

CONTINUED

# STEEL CASTERS

## MODERN SUSPENSION

### 40 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
10	5.00	ErgoTread	2,471-4,750	15.56	13.69	9.75	40	110.00
10	5.00	Standard Polyurethane	2,471-4,750	15.56	13.69	9.75	40	110.00
10	5.00	Standard Polyurethane	2,471-4,750	15.56	13.69	9.75	40	110.00
15	5.00	Standard Polyurethane		20.25	17.94	14.25	40	134.00
16	5.00	Mold On Rubber					40	
16	5.00	Standard Polyurethane					40	

### 40H SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
10	5.00	ErgoTread	4,988	16.31	14.44	9.75	40H	125.00
10	5.00	Standard Polyurethane	4,988	16.31	14.44	9.75	40H	125.00
10	5.00	Standard Polyurethane	4,988	16.31	14.44	9.75	40H	125.00
15	5.00	Standard Polyurethane		20.56	18.06	14.25	40H	143.00

### 140 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
8			680-6,650	12.25	10.50	9.13	140	119.00
10	3.00	Standard Polyurethane	812-6,424	14.50	12.63	10.63	140	128.00
12	6.00	Standard Polyurethane	670-6,400	17.31	15.44	12.00	140	144.00
16	3.00	Mold On Rubber	1,665	21.25	18.75	15.63	140	206.00
16	3.00	Standard Polyurethane	1,665	21.25	18.75	15.63	140	206.00

### 340 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
10				16.38	14.44	12.25	340	202.00
16	5.00	Standard Polyurethane	1,665-7,088	21.13	18.44	16.50	340	240.00

### 440 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
10	5.00	Standard Polyurethane	7,032-12,952	18.31	16.38	12.25	440	230.00
15	5.00	Standard Polyurethane	5,680-9,380	22.56	20.00	16.00	440	310.00

### 539 SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
15	5.00	Standard Polyurethane	16,000	25.94	22.94	16	539	630.00

### 539H SERIES STEEL CASTERS

Diameter	Width	Material	Capacity Range	Non-Flexed Height	Full-Flexed Height	Swivel Radius	Series	Weight
15	5.00	Standard Polyurethane	25,000	25.94	24.44	16	539H	730.00

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part numbers listed are for the swivel casters. For rigid casters, please consult factory.  
 All dimensions are in inches. All weights are in pounds.  
 Swivel radius is for unloaded caster.

# CASTERS SHOCK ABSORBING



## FEATURES

Our popular shock absorbing casters have swivel sections that are constructed of high alloy steel and are precision machined for close tolerances and long life. These casters feature legs of thick section plate steel. Integrally forged kingpins are available from 3/4" to 1-1/4" in diameter. In normal configurations, these swivel sections will carry 3 to 4 times their listed capacity.

## APPLICATIONS

Shock absorbing casters are ideal for jet engine dollies, aircraft jacks, in-plant trailers, trash gondolas, lift truck stabilizer casters, revolving signs and parade floats.

## BENEFITS

The high strength chrome vanadium springs provide longer life through constant flexing and compressing. The spring compression starts with as little as 25 pounds loading per caster resulting in cushioned loads and quiet empty returns. The long swivel lead reduces excessive shimmy and vibration while towing.

## OPTIONS

### BRAKES

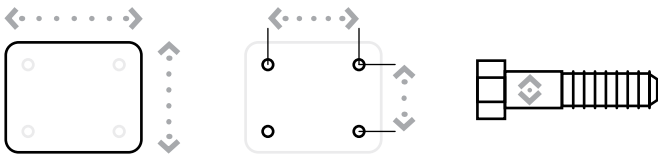
Poly Lock: ..... P  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Foot Actuated: ..... KL

MAXIMUM CAPACITY

**20,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard 53: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.75"
Standard 63/67: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Standard 73: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 83: 6" x 7.5"	4.5" x 6"	0.5"
Standard 93: 8.5" x 8.5"	7" x 7"	0.625"

# CASTERS SHOCK ABSORBING

## STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Standard Polyurethane	1,100	10.00	7.16	4.00	71	<a href="#">73-06301-60-1</a>	35.00
6	3.00	Mold On Rubber	700	10.00	7.16	4.00	71	<a href="#">73-06301-70-1</a>	34.00
6	3.00	Phenolic Resin	1,100	10.00	7.16	4.00	71	<a href="#">73-06301-30-1</a>	28.00
8	3.00	Standard Polyurethane	1,100	12.00	8.14	4.00	71	<a href="#">73-08301-60-1</a>	38.00
8	3.00	Mold On Rubber	850	12.00	8.14	4.00	71	<a href="#">73-08301-70-1</a>	38.00
8	3.00	H.D. T/R Polyurethane	1,100	12.00	8.14	4.00	71	<a href="#">73-08301-66-1</a>	32.00
10	3.00	Standard Polyurethane	1,100	13.50	9.62	4.50	71	<a href="#">73-10301-60-1</a>	45.00
10	3.00	Mold On Rubber	1,100	13.50	9.62	4.50	71	<a href="#">73-10301-70-1</a>	42.00
10	3.00	H.D. T/R Polyurethane	1,100	13.50	9.62	4.50	71	<a href="#">73-10301-66-1</a>	38.00
8	3.00	Standard Polyurethane	1,700	12.00	8.14	4.00	80	<a href="#">83-08301-60-1</a>	58.00
8	3.00	Mold On Rubber	825	12.00	8.14	4.00	80	<a href="#">83-08301-70-1</a>	58.00
8	3.00	H.D. T/R Polyurethane	1,700	12.00	8.14	4.00	80	<a href="#">83-08301-66-1</a>	48.00
10	3.00	Standard Polyurethane	1,700	14.50	9.62	4.50	80	<a href="#">83-10301-60-1</a>	65.00
10	3.00	Mold On Rubber	1,000	14.50	9.62	4.50	80	<a href="#">83-10301-70-1</a>	55.00
10	3.00	H.D. T/R Polyurethane	1,700	14.50	9.62	4.50	80	<a href="#">83-10301-66-1</a>	50.00
12	3.00	Standard Polyurethane	1,500	17.00	11.60	5.50	80	<a href="#">83-12301-60-1</a>	65.00
12	3.00	Mold On Rubber	1,150	17.00	11.60	5.50	80	<a href="#">83-12301-70-1</a>	62.00
12	3.00	Phenolic Resin	1,500	17.00	11.60	5.50	80	<a href="#">83-12301-30-1</a>	64.00

## PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
6	3.00	Standard Polyurethane	1,100	10.00	7.16	4.00	71	<a href="#">73-06309-60-1</a>	35.00
6	3.00	Mold On Rubber	700	10.00	7.16	4.00	71	<a href="#">73-06309-70-1</a>	34.00
6	3.00	Phenolic Resin	1,100	10.00	7.16	4.00	71	<a href="#">73-06309-30-1</a>	28.00
8	3.00	Standard Polyurethane	1,100	12.00	8.14	4.00	71	<a href="#">73-08309-60-1</a>	38.00
8	3.00	Mold On Rubber	850	12.00	8.14	4.00	71	<a href="#">73-08309-70-1</a>	38.00
8	3.00	H.D. T/R Polyurethane	1,100	12.00	8.14	4.00	71	<a href="#">73-08309-66-1</a>	32.00
10	3.00	Standard Polyurethane	1,100	13.50	9.62	4.50	71	<a href="#">73-10309-60-1</a>	45.00
10	3.00	H.D. T/R Polyurethane	1,100	13.50	9.62	4.50	71	<a href="#">73-10309-66-1</a>	45.00
10	3.00	Mold On Rubber	1,100	13.50	9.62	4.50	71	<a href="#">73-10309-70-1</a>	42.00
8	3.00	Standard Polyurethane	1,700	12.00	8.14	4.00	80	<a href="#">83-08309-60-1</a>	58.00
8	3.00	Mold On Rubber	825	12.00	8.14	4.00	80	<a href="#">83-08309-70-1</a>	58.00
8	3.00	H.D. T/R Polyurethane	1,700	12.00	8.14	4.00	80	<a href="#">83-08309-66-1</a>	48.00
10	3.00	Standard Polyurethane	1,700	14.50	9.62	4.50	80	<a href="#">83-10309-60-1</a>	65.00
10	3.00	Mold On Rubber	1,000	14.50	9.62	4.50	80	<a href="#">83-10309-70-1</a>	55.00
10	3.00	H.D. T/R Polyurethane	1,700	14.50	9.62	4.50	80	<a href="#">83-10309-66-1</a>	50.00
12	3.00	Standard Polyurethane	1,500	17.00	11.60	5.50	80	<a href="#">83-12309-60-1</a>	65.00
12	3.00	Mold On Rubber	1,150	17.00	11.60	5.50	80	<a href="#">83-12309-70-1</a>	62.00
12	3.00	Phenolic Resin	1,500	17.00	11.60	5.50	80	<a href="#">83-12309-30-1</a>	64.00

Capacity listed is for manual operation. For powered operations, consult factory.

Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [83-12309-30-2](#))

All dimensions are in inches. All weights are in pounds.

Overall heights and swivel radiuses listed are at NO load/weight.

CONTINUED

# CASTERS

## SHOCK ABSORBING

### PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
10	4.00	Standard Polyurethane	4,000	16.25	7.16	3.50	91	<a href="#">93-10409-60-1</a>	100.00
10	4.00	Forged Steel	4,000	16.25	7.16	3.50	91	<a href="#">93-10409-20-1</a>	110.00
10	5.00	H.D. Standard Polyurethane	4,000	16.25	7.16	3.50	91	<a href="#">93-10509-65-1</a>	110.00
10	4.00	Standard Polyurethane	4,000	16.25	7.16	3.50	91	<a href="#">93-10409-60-1</a>	100.00
10	4.00	Forged Steel	4,000	16.25	7.16	3.50	91	<a href="#">93-10409-20-1</a>	110.00
10	5.00	H.D. Standard Polyurethane	4,000	16.25	7.16	3.50	91	<a href="#">93-10509-65-1</a>	110.00
10	5.00	H.D. Standard Polyurethane	8,000	16.25		3.50	91	<a href="#">2-93-10509-65-1</a>	250.00
18	5.00	H.D. Standard Polyurethane	20,000	25.50		4.50	91	<a href="#">103-18509-65-1</a>	400.00

Capacity listed is for manual operation. For powered operations, consult factory.

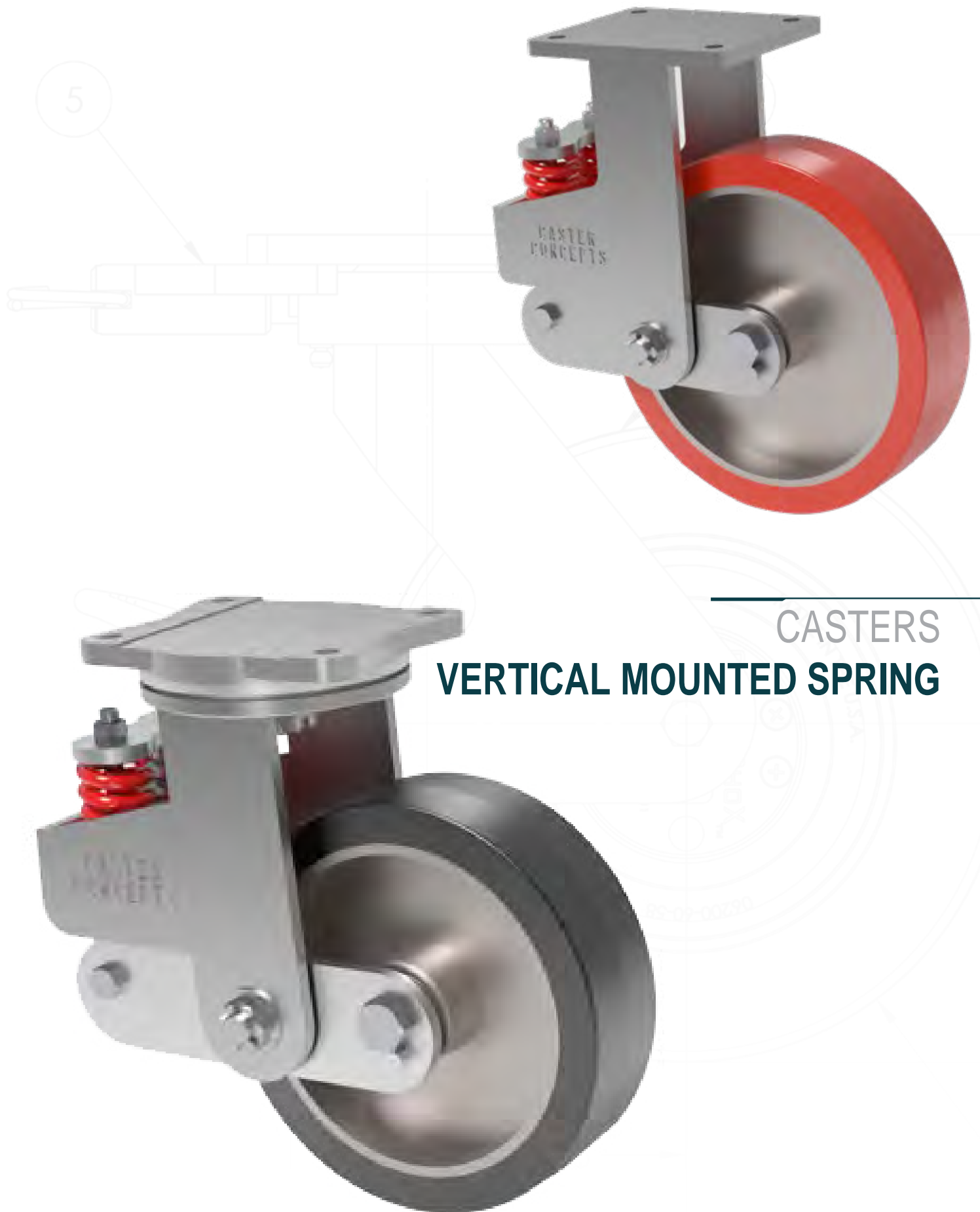
Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [83-12309-30-2](#))

Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.

All dimensions are in inches. All weights are in pounds.

Overall heights listed are at NO load/weight.

Swivel radius is for unloaded caster.



## CASTERS VERTICAL MOUNTED SPRING

# CASTERS VERTICAL MOUNTED SPRING



## FEATURES

Vertical mounted spring (VMS) casters offer the highest flexibility in design. Each caster features springs that are retained on threaded rod ends for pre-load capabilities. Pre-loading the caster causes the caster to stand strong to a predetermined load before any deflection.

The VMS caster can be built with standard components and varying capacities by simply changing out the springs.

## APPLICATIONS

VMS casters are ideal for jet engine dollies, aircraft jacks, in-plant trailers, trash gondolas, lift truck stabilizer casters, revolving signs and parade floats.

## OPTIONS

### BRAKES

Poly Lock: ..... P  
Face Contact: ..... F

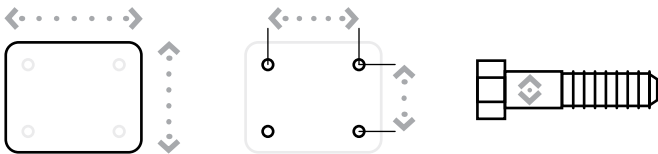
### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Foot Actuated: ..... KL

*Available with dual wheels and pneumatic tires.*

### MAXIMUM CAPACITY

# 3,800 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard 54: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.75"
Standard 64: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.375"
Standard 74: 5.25" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 84: 6" x 7.5"	4.5" x 6"	0.5"
Standard 94: 8.5" x 8.5"	7" x 7"	0.625"

# CASTERS

## VERTICAL MOUNTED SPRING

### STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	3.00	Standard Polyurethane	2,500	11.50	7.16	3.00	80	<a href="#">84-08301-60-1</a>	50.00
8	3.00	Phenolic Resin	2,500	11.50	7.16	3.00	80	<a href="#">84-08301-30-1</a>	42.00
8	3.00	Mold On Rubber	850	11.50	7.16	3.00	80	<a href="#">84-08301-70-1</a>	47.00
8	3.00	H.D. T/R Polyurethane	2,500	11.50	7.16	3.00	80	<a href="#">84-08301-66-1</a>	55.00
10	3.00	Standard Polyurethane	2,500	13.50	9.12	4.00	80	<a href="#">84-10301-60-1</a>	59.00
10	3.00	Phenolic Resin	2,500	13.50	9.12	4.00	80	<a href="#">84-10301-30-1</a>	46.00
10	3.00	Mold On Rubber	1,000	13.50	9.12	4.00	80	<a href="#">84-10301-70-1</a>	60.00
12	3.00	Standard Polyurethane	2,500	15.50	10.11	4.00	80	<a href="#">84-12301-60-1</a>	67.00
12	3.00	Phenolic Resin	2,500	15.50	10.11	4.00	80	<a href="#">84-12301-30-1</a>	56.00
12	3.00	Mold On Rubber	1,150	15.50	10.11	4.00	80	<a href="#">84-12301-70-1</a>	65.00
12	3.00	H.D. T/R Polyurethane	2,500	15.50	10.11	4.00	80	<a href="#">84-12301-66-1</a>	70.00
10	4.00	Standard Polyurethane	3,800	13.50	9.22	4.00	90	<a href="#">94-10401-60-1</a>	70.00
10	4.00	Mold On Rubber	1,500	13.50	9.22	4.00	90	<a href="#">94-10401-70-1</a>	77.00
10	4.00	H.D. Standard Polyurethane	3,800	13.50	9.22	4.00	90	<a href="#">94-10401-65-1</a>	79.00
12	4.00	H.D. Standard Polyurethane	3,800	15.50	10.20	4.00	90	<a href="#">94-12401-65-1</a>	86.00
12	4.00	Mold On Rubber	1,600	15.50	10.20	4.00	90	<a href="#">94-12401-70-1</a>	86.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	10.20	4.00	90	<a href="#">94-12401-66-1</a>	86.00

### PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	3.00	Standard Polyurethane	2,500	11.50	7.16	3.00	80	<a href="#">84-08309-60-1</a>	50.00
8	3.00	Phenolic Resin	2,500	11.50	7.16	3.00	80	<a href="#">84-08309-30-1</a>	42.00
8	3.00	Mold On Rubber	850	11.50	7.16	3.00	80	<a href="#">84-08309-70-1</a>	47.00
8	3.00	H.D. T/R Polyurethane	2,500	11.50	7.16	3.00	80	<a href="#">84-08309-66-1</a>	55.00
10	3.00	Standard Polyurethane	2,500	13.50	9.12	4.00	80	<a href="#">84-10309-60-1</a>	59.00
10	3.00	Phenolic Resin	2,500	13.50	9.12	4.00	80	<a href="#">84-10309-30-1</a>	46.00
10	3.00	Mold On Rubber	1,000	13.50	9.12	4.00	80	<a href="#">84-10309-70-1</a>	60.00
12	3.00	Standard Polyurethane	2,500	15.50	10.11	4.00	80	<a href="#">84-12309-60-1</a>	67.00
12	3.00	Phenolic Resin	2,500	15.50	10.11	4.00	80	<a href="#">84-12309-30-1</a>	56.00
12	3.00	Mold On Rubber	1,150	15.50	10.11	4.00	80	<a href="#">84-12309-70-1</a>	65.00
12	3.00	H.D. T/R Polyurethane	2,500	15.50	10.11	4.00	80	<a href="#">84-12309-66-1</a>	70.00
10	4.00	Standard Polyurethane	3,800	13.50	9.22	4.00	90	<a href="#">94-10409-60-1</a>	70.00
10	4.00	Mold On Rubber	1,500	13.50	9.22	4.00	90	<a href="#">94-10409-70-1</a>	77.00
10	4.00	H.D. Standard Polyurethane	3,800	13.50	9.22	4.00	90	<a href="#">94-10409-65-1</a>	79.00
12	4.00	H.D. Standard Polyurethane	3,800	15.50	10.20	4.00	90	<a href="#">94-12409-65-1</a>	86.00
12	4.00	Mold On Rubber	1,600	15.50	10.20	4.00	90	<a href="#">94-12409-70-1</a>	86.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	10.20	4.00	90	<a href="#">94-12409-66-1</a>	86.00

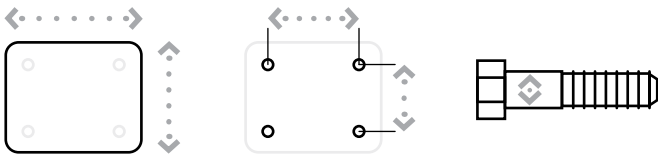
All dimensions are in inches. All weights are in pounds.  
Overall heights listed are at NO load/weight.  
Swivel radius is for unloaded caster.

# CASTERS COMPRESSION



## MAXIMUM CAPACITY

# 1,500 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
51CC & 55CC Series Standard: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
57CC Series Standard: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
51CC & 55CC Optional Top Plate 60: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
57CC Series Optional Top Plate 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
57CC Series Optional Top Plate 75: 6" x 7"	4.62" x 5.5"	0.5"

## FEATURES

- Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.
- Legs:** 1/4" x 2" steel, formed and continuously welded on the inside and outside of the yoke base.
- Kingpin:** Kingpinless style design.
- Axle:** 1/2" diameter.
- Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance. Standard ball bearings are pre-lubricated before shipping.
- Wheels:** 8" diameter wheels are available with sealed precision ball bearings.
- Finish:** Clear zinc plating.

## BENEFITS

The compression caster integrates a dampening unit into the rig of the caster. This reduces the noise, vibration, and cushions the ride. The compression series offers a maintenance-free solution with its sealed precision ball bearing in the swivel section and in the wheels. The smooth rotating action and extended lead help lower ergonomic forces. A standard ball bearing swivel section is also available.

## APPLICATIONS

Excellent for instances where workplace safety related to hearing conservation is a concern. The compression caster can reduce noise levels by as much as 15 dBA. The vibration dampening properties are ideal for transporting fragile components like electronics.

## OPTIONS

### BRAKES

Poly Lock: ..... P  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Foot Actuated: ..... KL

Contact factory for other configurations, part numbers, and pricing.

# CASTERS COMPRESSION

## PRECISION BALL BEARING (51 SERIES)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	2.00	T/R Polyurethane	1,240	10.13	7.07	3.00	51CC	<a href="#">51CC-08202-61-1</a>	22.23
8	2.00	T/R-95 Polyurethane	1,500	10.13	7.07	3.00	51CC	<a href="#">51CC-08202-91-1</a>	22.23
8	2.00	HPPT Polyurethane	1,500	10.13	7.07	3.00	51CC	<a href="#">51CC-08202-90-1</a>	22.23
8	2.00	ErgoTread	1,178	10.13	7.07	3.00	51CC	<a href="#">51CC-08202-40-1</a>	22.23

## PRECISION BALL BEARING (55 SERIES)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	2.00	T/R Polyurethane	1,000	10.13	7.07	3.00	55CC	<a href="#">55CC-08202-61-1</a>	22.23
8	2.00	T/R-95 Polyurethane	1,000	10.13	7.07	3.00	55CC	<a href="#">55CC-08202-91-1</a>	22.23
8	2.00	HPPT Polyurethane	1,000	10.13	7.07	3.00	55CC	<a href="#">55CC-08202-90-1</a>	22.23
8	2.00	ErgoTread	1,000	10.13	7.07	3.00	55CC	<a href="#">55CC-08202-40-1</a>	22.23

## PRECISION BALL BEARING (57 SERIES)

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	2.00	T/R Polyurethane	1,240	10.75	7.07	3.00	57CC	<a href="#">57CC-08202-61-1</a>	22.23
8	2.00	T/R-95 Polyurethane	1,500	10.75	7.07	3.00	57CC	<a href="#">57CC-08202-91-1</a>	22.23
8	2.00	HPPT Polyurethane	1,500	10.75	7.07	3.00	57CC	<a href="#">57CC-08202-90-1</a>	22.23
8	2.00	ErgoTread	1,178	10.75	7.07	3.00	57CC	<a href="#">57CC-08202-40-1</a>	22.23

Capacity listed is for manual operation. For powered operations, consult factory.

Roller bearing and tapered bearings are available, consult factory for additional information.

Part Numbers listed are for the swivel caster. For rigid casters, change the last digit from 1 to 2 (i.e. XXCC-08202-XX-2).

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

Overall heights listed are at NO load/weight.

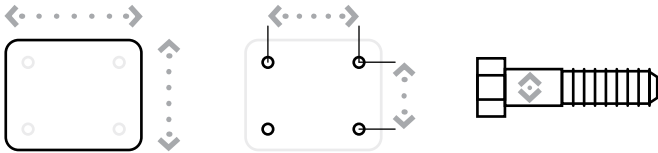
Swivel radius is for unloaded caster.

# CASTERS PNEUMATIC



## MAXIMUM CAPACITY

# 7,260 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard 50: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 51: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 60: 4.5" x 6.25"	2.438" x 4.93" Slotted to 3.375" x 5.25"	0.5"
Standard 61: 4.5" x 6.25"	2.438" x 4.938" Slotted to 3.375" x 5.25"	0.5"
Standard 70: 5.25" x 7.5"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 71: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 80: 6" x 7.5"	4.5" x 6"	0.5"
Standard 81: 6.25" x 7.63"	4.5" x 6"	0.5"
Standard 90: 8.5" x 8.5"	7" x 7"	0.625"
Standard 91: 8.5" x 8.5"	7" x 7"	0.625"

## FEATURES

The complete line of single or dual-wheel pneumatic casters offers load carrying capacities from 320 pounds to 7,260 pounds. The swivel sections are constructed of C-1045 hot forged steel with double row ball bearing swivels for long service life. The 80 Series and larger casters have tapered thrust bearings in the swivel. The legs are continuously welded both inside and outside for added strength. Standard: Wheels 16" and larger are supplied with high-speed tapered bearings standard.

## APPLICATIONS

Excellent shock absorbing benefits make these casters ideal for uneven floors and indoor and outdoor rough terrain. They are ideal on aircraft ground support equipment, helicopter dollies, roof maintenance equipment, mobile construction shelters, and other equipment carrying electronics or other highly sensitive materials.

## BENEFITS

These casters offer the greatest possible protection to both loads and floors. The pneumatic tires cushion the load and roll over obstructions with ease. These casters provide longer wheel life, less maintenance and high shock absorbency. The long swivel offset aids in swiveling and tracking in towing applications. When the caster is subjected to towing, tapered bearings are recommended.

## OPTIONS

### BRAKES

Pneumatic Poly Cam: ..... PP\*  
Face Contact: ..... F

### SWIVEL LOCKS

Factory Installed: ..... L  
Demountable: ..... DL  
Foot Actuated: ..... KL

SEALED SWIVEL SECTION ..... SSW

TOE GUARD ..... TG

\* For single wheel configuration only.

# CASTERS PNEUMATIC

## STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Size	Ply Rating	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	2.80/4	4	295	11.00	6.79	2.63	50	<a href="#">50-08301-76-1</a>	13.00
10	4.10/4	4	352	13.00	8.43	3.25	50	<a href="#">50-10351-76-1</a>	15.00
12	4.10/6	4	675	15.50	9.71	3.50	50	<a href="#">50-12401-76-1</a>	18.00
8	2.80/4	4	590	11.00		2.63	50	<a href="#">52-08301-76-1</a>	20.00
10	4.10/4	4	704	13.00		3.25	50	<a href="#">52-10351-76-1</a>	22.50
12	4.10/6	4	1,350	15.50		3.50	50	<a href="#">52-12401-76-1</a>	33.00
8	2.80/4	4	295	11.00	6.79	2.63	60	<a href="#">60-08301-76-1</a>	13.00
10	4.10/4	4	352	13.00	8.43	3.25	60	<a href="#">60-10351-76-1</a>	15.00
12	4.10/6	4	675	15.50	9.71	3.50	60	<a href="#">60-12401-76-1</a>	18.00
8	2.80/4	4	590	11.00		2.63	60	<a href="#">62-08301-76-1</a>	20.00
10	4.10/4	4	704	13.00		3.25	60	<a href="#">62-10351-76-1</a>	22.50
12	4.10/6	4	1,350	15.50		3.50	60	<a href="#">62-12401-76-1</a>	30.00
14	5.30/6	4	710	17.75	11.23	4.00	70	<a href="#">70-14451-76-1</a>	31.00
12	4.10/6	4	1,350	15.50		4.00	70	<a href="#">72-12401-76-1</a>	36.00
14	5.30/6	4	1,420	17.75		4.00	70	<a href="#">72-14451-76-1</a>	45.00

## STRAIGHT ROLLER BEARING (KINGPINLESS)

Diameter	Size	Ply Rating	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
8	2.80/4	4	295	11.00	6.79	2.63	51	<a href="#">51-08301-76-1</a>	13.00
10	4.10/4	4	352	13.00	8.43	3.25	51	<a href="#">51-10351-76-1</a>	15.00
12	4.10/6	4	675	15.50	9.71	3.50	51	<a href="#">51-12401-76-1</a>	18.00
8	2.80/4	4	590	11.00		2.63	51	<a href="#">2-51-08301-76-1</a>	20.00
10	4.10/4	4	704	13.00		3.25	51	<a href="#">2-51-10351-76-1</a>	22.50
12	4.10/6	4	1,350	15.50		3.50	51	<a href="#">2-51-12401-76-1</a>	33.00
8	2.80/4	4	295	11.00	6.79	2.63	61	<a href="#">61-08301-76-1</a>	13.00
10	4.10/4	4	352	13.00	8.43	3.25	61	<a href="#">61-10351-76-1</a>	15.00
12	4.10/6	4	675	15.50	9.71	3.50	61	<a href="#">61-12401-76-1</a>	18.00
8	2.80/4	4	590	11.00		2.63	61	<a href="#">2-61-08301-76-1</a>	20.00
10	4.10/4	4	704	13.00		3.25	61	<a href="#">2-61-10351-76-1</a>	22.50
12	4.10/6	4	1,350	15.50		3.50	61	<a href="#">2-61-12401-76-1</a>	30.00

CONTINUED

All dimensions are in inches. All weights are in pounds.

# CASTERS PNEUMATIC

## STRAIGHT ROLLER BEARING (KINGPINLESS)

Diameter	Size	Ply Rating	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
14	5.30/6	4	710	17.75	11.23	4.00	71	<a href="#">71-14451-76-1</a>	31.00
12	4.10/6	4	1,350	15.50		4.00	71	<a href="#">2-71-12401-76-1</a>	36.00
14	5.30/6	4	1,420	17.75		4.00	71	<a href="#">2-71-14451-76-1</a>	45.00

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Size	Ply Rating	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
16	4.80/8	6	1,230	19.13	12.73	4.50	70	<a href="#">70-16609-76-1</a>	37.00
16	4.80/8	6	2,460	19.13		4.50	70	<a href="#">72-16609-76-1</a>	55.00
16	4.80/8	6	1,230	19.13	12.24	12.24	80	<a href="#">80-16609-76-1</a>	45.00
18	5.70/8	6	1,560	21.50	13.83	13.83	80	<a href="#">80-18609-76-1</a>	55.00
18	5.70/8	8	1,655	21.50	13.83	13.83	80	<a href="#">80-18609-77-1</a>	56.00
16	4.80/8	6	2,460	19.13		4.50	80	<a href="#">82-16609-76-1</a>	71.00
18	5.70/8	6	3,120	21.50		4.50	80	<a href="#">82-18609-76-1</a>	82.00
18	5.70/8	8	3,310	21.50		4.50	80	<a href="#">82-18609-77-1</a>	84.00
21	6.90/9	10	2,420	24.25	15.88	5.00	90	<a href="#">90-21609-76-1</a>	80.00
23	6.50/10	10	2,775	26.25	16.82	5.00	90	<a href="#">90-23609-76-1</a>	87.00
25	7.50/10	10	3,630	28.75	17.90	5.00	90	<a href="#">90-25609-76-1</a>	90.00
21	6.90/9	10	4,840	24.25		5.00	90	<a href="#">92-21609-76-1</a>	130.00
23	6.50/10	10	5,550	26.25		5.00	90	<a href="#">92-23609-76-1</a>	135.00
25	7.50/10	10	7,260	28.75		5.00	90	<a href="#">92-25609-76-1</a>	142.00

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Size	Ply Rating	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
16	4.80/8	6	1,230	19.13	12.73	4.50	71	<a href="#">71-16609-76-1</a>	37.00
16	4.80/8	6	2,460	19.13		4.50	71	<a href="#">2-71-16609-76-1</a>	55.00
16	4.80/8	6	1,230	19.13	12.24	4.00	81	<a href="#">81-16609-76-1</a>	45.00
18	5.70/8	6	1,560	21.50	13.83	4.50	81	<a href="#">81-18609-76-1</a>	56.00
18	5.70/8	8	1,655	21.50	13.83	4.50	81	<a href="#">81-18609-77-1</a>	56.00
16	4.80/8	6	2,460	19.13		4.50	81	<a href="#">2-81-16609-76-1</a>	71.00
18	5.70/8	6	3,120	21.50		4.50	81	<a href="#">2-81-18609-76-1</a>	82.00
18	5.70/8	8	3,310	21.50		4.50	81	<a href="#">2-81-18609-77-1</a>	84.00
21	6.90/9	10	2,420	24.25	15.88	5.00	91	<a href="#">91-21609-76-1</a>	80.00
23	6.50/10	10	2,775	26.25	16.82	5.00	91	<a href="#">91-23609-76-1</a>	87.00
25	7.50/10	10	3,630	28.75	17.90	5.00	91	<a href="#">91-25609-76-1</a>	90.00
21	6.90/9	10	4,840	24.25		5.00	91	<a href="#">2-91-21609-76-1</a>	130.00
23	6.50/10	10	5,550	26.25		5.00	91	<a href="#">2-91-23609-76-1</a>	135.00
25	7.50/10	10	7,260	28.75		5.00	91	<a href="#">2-91-25609-76-1</a>	142.00

CONTINUED

# CASTERS

## SEMI-PNEUMATIC

### PRECISION TAPERED BEARING (KINGPIN)

Diameter	Size	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
12	200 x 8	1,200	15.50		3.50	50	<a href="#">50-12409-78-1</a>	
12	200 x 8	2,400	15.50		3.50	50	<a href="#">52-12409-78-1</a>	
12	200 x 8	1,200	15.50		3.50	60	<a href="#">60-12409-78-1</a>	
12	200 x 8	2,400	15.50		3.50	60	<a href="#">62-12409-78-1</a>	
14	300 x 8	1,500	17.75		4.00	70	<a href="#">70-14409-78-1</a>	
16	400 x 8	2,900	19.13		4.50	70	<a href="#">70-16509-78-1</a>	
12	200 x 8	2,400	15.50		4.00	70	<a href="#">72-12409-78-1</a>	
14	300 x 8	3,000	17.75		4.00	70	<a href="#">72-14409-78-1</a>	
16	400 x 8	2,900	19.13		4.50	70	<a href="#">72-16509-78-1</a>	
16	400 x 8	2,900	19.13		4.00	80	<a href="#">80-16509-78-1</a>	
18	500 x 8	3,300	21.50		4.50	80	<a href="#">80-18509-78-1</a>	
16	400 x 8	5,000	19.13		4.50	80	<a href="#">82-16509-78-1</a>	
18	500 x 8	5,000	21.50		4.50	80	<a href="#">82-18509-78-1</a>	
16	400 x 8	2,900	19.00	15.88	5.00	90	<a href="#">90-16509-78-1</a>	
18	500 x 8	3,300	21.00	16.82	5.00	90	<a href="#">90-18509-78-1</a>	
16	400 x 8	5,800	19.00			90	<a href="#">92-16509-78-1</a>	
18	500 x 8	6,600	21.00			90	<a href="#">92-18509-78-1</a>	

### PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Size	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
12	200 x 8	1,200	15.50		3.50	51	<a href="#">51-12409-78-1</a>	
12	200 x 8	2,400	15.50		3.50	51	<a href="#">2-51-12409-78-1</a>	
12	200 x 8	1,200	15.50	9.71	3.50	61	<a href="#">61-12409-78-1</a>	
12	200 x 8	2,400	15.50		3.50	61	<a href="#">2-61-12409-78-1</a>	
14	300 x 8	1,500	17.75	11.23	4.00	71	<a href="#">71-14409-78-1</a>	
16	400 x 8	2,900	19.13	11.23	4.50	71	<a href="#">71-16509-78-1</a>	
12	200 x 8	2,400	15.50		4.00	71	<a href="#">2-71-12409-78-1</a>	
14	300 x 8	3,000	17.75		4.00	71	<a href="#">2-71-14409-78-1</a>	
16	400 x 8	3,500	19.13		4.50	71	<a href="#">2-71-16509-78-1</a>	
16	400 x 8	2,900	19.13	13.83	4.00	81	<a href="#">81-16509-78-1</a>	
18	500 x 8	3,300	21.50	13.83	4.50	81	<a href="#">81-18509-78-1</a>	
16	400 x 8	5,800	19.13		4.50	81	<a href="#">2-81-16509-78-1</a>	
18	500 x 8	6,600	21.50		4.50	81	<a href="#">2-81-18509-78-1</a>	

CONTINUED

All dimensions are in inches. All weights are in pounds.

# CASTERS

## SEMI-PNEUMATIC

### PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Size	Capacity	OAH	Swivel Radius	Swivel Lead	Series	Part Number	Weight
16	400 x 8	2,900	19.00	15.88	5.00	90	<a href="#">91-16509-78-1</a>	
18	500 x 8	3,300	21.00	17.90	5.00	90	<a href="#">91-18509-78-1</a>	
16	400 x 8	5,800	19.75	13.21	4.00	91	<a href="#">2-91-16509-78-1</a>	

*All dimensions are in inches. All weights are in pounds.*



## CASTERS V-GROOVE

# CASTERS V-GROOVE



## FEATURES

V-groove caster swivel sections are hot forged from C-1045 steel. The wheels are highly adaptable and can operate on angle iron track or on normal floor surfaces. A relief groove at the base of the “V” equalizes the load to each face of the angle track. In addition, all wheel faces and “V” grooves are machined concentric to the bore for proper tracking. The wheel bearings are either straight roller bearings or precision tapered roller bearings.

## APPLICATIONS

V-groove wheels are used for exceptionally heavy loads where precise alignment or indexing or equipment is necessary. These casters are capable of guiding industrial ovens, paint booths and other similar equipment.

## BENEFITS

V-groove wheels are constructed of premium G-3000 gray iron castings or hot forged C-1030 steel. The 90 degree grooves are accurately machined into the face of the wheels. A relief groove at the base of the “V” directs the load to each face of the angle track when in use.

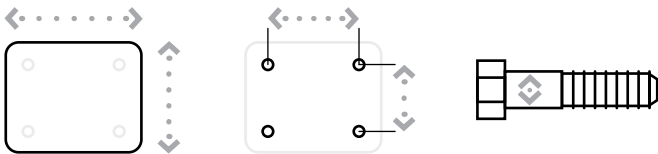
V-groove wheels can be used on a track, flat surface or both without fear of damage.

Exceptionally strong and ideal for heavy loads, the V-groove wheels are able to be machined out for keyway or various bore sizes.

Wheel material codes: Cast iron (15); heavy-duty cast iron (16); forged steel (25); heavy-duty forged steel (26).

MAXIMUM CAPACITY

**15,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard 30: 4" x 4.5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 50: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 60: 4.5" x 6.25"	2.438" x 4.93" Slotted to 3.375" x 5.25"	0.5"
Standard 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 80: 6" x 7.5"	4.5" x 6"	0.5"
Standard 90/91/95: 8.5" x 8.5"	7" x 7"	0.625"

# CASTERS V-GROOVE

## STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
4	2.00	Cast Iron	1,000	5.63	1.50	50	<a href="#">50-04201-15-1</a>	7.00
4	2.00	Cast Iron	1,000	5.63	1.50	60	<a href="#">60-04201-15-1</a>	10.00
6	2.50	Cast Iron	2,000	7.50	2.50	65	<a href="#">65-06251-15-1</a>	23.00
6	2.50	Cast Iron	2,500	8.00	2.50	70	<a href="#">70-06251-15-1</a>	27.00
8	2.50	Cast Iron	2,500	10.50	2.50	70	<a href="#">70-08251-15-1</a>	35.00
8	3.00	Cast Iron	3,500	10.50	2.50	70	<a href="#">70-08301-15-1</a>	40.00
8	3.00	Forged Steel	3,500	10.50	2.50	70	<a href="#">70-08301-25-1</a>	33.00
10	3.00	Cast Iron	3,500	12.50	2.50	70	<a href="#">70-10301-15-1</a>	45.00
6	3.00	Forged Steel	5,000	8.50	2.50	80	<a href="#">80-06301-25-1</a>	45.00
8	3.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08301-25-1</a>	45.00
8	4.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08401-25-1</a>	55.00
10	3.00	H.D. Cast Iron	4,000	12.50	2.50	80	<a href="#">80-10301-16-1</a>	55.00
10	3.00	H.D. Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10301-26-1</a>	55.00
10	4.00	Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10401-25-1</a>	74.00
6	3.00	Forged Steel	6,000	8.50	2.50	85	<a href="#">85-06301-25-1</a>	45.00
8	4.00	Forged Steel	8,400	10.50	2.50	85	<a href="#">85-08401-25-1</a>	55.00
10	3.00	H.D. Forged Steel	6,000	12.50	2.50	85	<a href="#">85-10301-26-1</a>	53.00
10	4.00	Forged Steel	8,400	12.50	2.50	85	<a href="#">85-10401-25-1</a>	74.00
6	3.00	Forged Steel	6,000	9.00	2.25	90	<a href="#">90-06301-25-1</a>	60.00
8	4.00	Forged Steel	8,000	11.00	2.25	90	<a href="#">90-08401-25-1</a>	73.00
10	3.00	H.D. Cast Iron	4,000	13.00	2.50	90	<a href="#">90-10301-16-1</a>	65.00
10	3.00	H.D. Forged Steel	8,000	13.00	2.50	90	<a href="#">90-10301-26-1</a>	68.00
10	4.00	Forged Steel	8,000	13.00	2.50	90	<a href="#">90-10401-25-1</a>	89.00
8	4.00	Forged Steel	8,400	11.00	2.25	95	<a href="#">95-08401-25-1</a>	73.00
10	4.00	Forged Steel	8,400	13.00	2.50	95	<a href="#">95-10401-25-1</a>	89.00

## STRAIGHT ROLLER BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
12	4.00	Ductile Iron	8,400	15.50	2.50	91	<a href="#">91-12401-16-1</a>	141.00
12	5.00	Ductile Iron	9,500	15.50	2.50	91	<a href="#">91-12501-16-1</a>	157.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change the last digit from 1 to 2 (i.e. 95-10409-26-1-2).

Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.

For specific V-groove dimensions, see page 140. All dimensions are in inches. All weights are in pounds.

CONTINUED

# CASTERS V-GROOVE

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
6	2.50	Cast Iron	2,000	7.50	2.50	65	<a href="#">65-06259-15-1</a>	23.00
8	3.00	Cast Iron	2,000	10.13	2.50	65	<a href="#">65-08309-15-1</a>	36.00
6	2.50	Cast Iron	2,500	8.00	2.50	70	<a href="#">70-06259-15-1</a>	27.00
8	2.50	Cast Iron	2,500	10.50	2.50	70	<a href="#">70-08259-15-1</a>	35.00
8	3.00	Cast Iron	3,500	10.50	2.50	70	<a href="#">70-08309-15-1</a>	40.00
8	3.00	Forged Steel	3,500	10.50	2.50	70	<a href="#">70-08309-25-1</a>	33.00
10	3.00	Cast Iron	3,500	12.50	2.50	70	<a href="#">70-10309-15-1</a>	45.00
6	3.00	Forged Steel	5,000	8.50	2.50	80	<a href="#">80-06309-25-1</a>	45.00
8	3.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08309-25-1</a>	45.00
8	4.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08409-25-1</a>	55.00
10	3.00	H.D. Cast Iron	4,000	12.50	2.50	80	<a href="#">80-10309-16-1</a>	55.00
10	3.00	H.D. Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10309-26-1</a>	55.00
10	4.00	Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10409-25-1</a>	74.00
6	3.00	Forged Steel	10,000	8.50	2.50	85	<a href="#">85-06309-25-1</a>	45.00
8	4.00	Forged Steel	10,000	10.50	2.50	85	<a href="#">85-08409-25-1</a>	55.00
10	3.00	H.D. Forged Steel	6,000	12.50	2.50	85	<a href="#">85-10309-26-1</a>	53.00
10	4.00	Forged Steel	10,000	12.50	2.50	85	<a href="#">85-10409-25-1</a>	74.00
6	3.00	Forged Steel	10,000	9.00	2.25	90	<a href="#">90-06309-25-1</a>	60.00
8	4.00	Forged Steel	8,000	11.00	2.25	90	<a href="#">90-08409-25-1</a>	73.00
10	3.00	H.D. Cast Iron	4,000	13.00	2.50	90	<a href="#">90-10309-16-1</a>	65.00
10	3.00	H.D. Forged Steel	8,400	13.00	2.50	90	<a href="#">90-10309-26-1</a>	68.00
10	4.00	Forged Steel	8,000	13.00	2.50	90	<a href="#">90-10409-25-1</a>	89.00
6	3.00	H.D. Forged Steel	15,000	9.00	2.25	95	<a href="#">95-06309-26-1</a>	50.00
8	4.00	Forged Steel	10,000	11.00	2.25	95	<a href="#">95-08409-25-1</a>	73.00
8	4.00	H.D. Forged Steel	15,000	11.00	2.25	95	<a href="#">95-08409-26-1</a>	73.00
10	4.00	Forged Steel	10,000	13.00	2.50	95	<a href="#">95-10409-25-1</a>	89.00
10	4.00	H.D. Forged Steel	15,000	13.00	2.50	95	<a href="#">95-10409-26-1</a>	89.00

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
12	4.00	Ductile Iron	10,000	15.50	2.50	91	<a href="#">91-12409-16-1</a>	141.00
12	5.00	Ductile Iron	10,000	15.50	2.50	91	<a href="#">91-12509-16-1</a>	157.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. [95-10409-26-1-2](#))

Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.

For specific V-groove dimensions, see page 140. All dimensions are in inches. All weights are in pounds.



CASTERS  
**FLANGED**

# CASTERS FLANGED



## FEATURES

The flanged wheels are constructed of premium cast iron, ductile iron, or forged steel for high strength and long wear. These wheels are designed to operate on a steel track for minimal guidance and rolling effort. The flanged wheel casters are rigid casters used for locating fixtures in a precise position for indexing through a work cycle.

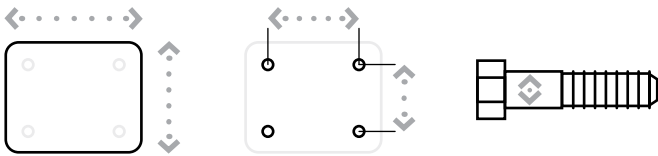
## APPLICATIONS

Applications include production lines, foundry cooling lines, mobile cranes, amusement parks, trollies, autoclave tooling, etc.

Note: No brake options for tapered bearings on these casters.

MAXIMUM CAPACITY

**12,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard 30: 4" x 4.5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 50: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 60: 4.5" x 6.25"	2.438" x 4.93" Slotted to 3.375" x 5.25"	0.5"
Standard 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 80: 6" x 7.5"	4.5" x 6"	0.5"
Standard 90/91/95: 8.5" x 8.5"	7" x 7"	0.625"

# CASTERS FLANGED

## STRAIGHT ROLLER BEARING (SINGLE FLANGED)

Diameter	Width	Material	Capacity	OAH	Series	Part Number	Weight
3.50	1.30	Cast Iron	1,000	5.38	50	<a href="#">50-03101-18-2</a>	10.00
3.50	1.30	Cast Iron	1,000	5.38	60	<a href="#">60-03101-18-2</a>	10.00
7.87	1.75	Cast Iron	2,500	10.06	65	<a href="#">65-08201-18-2</a>	29.00
6.13	1.69	Cast Iron	3,000	8.06	70	<a href="#">70-06201-18-2</a>	36.00
7.87	1.75	Cast Iron	2,500	10.44	70	<a href="#">70-08201-18-2</a>	30.00
7.87	2.25	Cast Iron	3,500	10.44	70	<a href="#">70-07251-18-2</a>	30.00
8.00	2.25	Cast Iron	3,500	10.50	70	<a href="#">70-08251-18-2</a>	34.00
5.00	2.06	Forged Steel	6,000	8.00	80	<a href="#">80-05201-28-2</a>	30.00
6.13	1.69	Cast Iron	3,000	8.56	80	<a href="#">80-06201-18-2</a>	39.00
7.87	2.25	Cast Iron	3,500	10.44	80	<a href="#">80-07251-18-2</a>	33.00
8.00	2.25	Cast Iron	3,500	10.50	80	<a href="#">80-08251-18-2</a>	37.00
8.00	2.38	Forged Steel	6,000	10.50	80	<a href="#">80-08201-28-2</a>	63.00
5.00	2.06	Forged Steel	6,000	8.50	90	<a href="#">90-05201-28-2</a>	30.00
8.00	2.38	Forged Steel	6,000	11.00	90	<a href="#">90-08201-28-2</a>	63.00
15.00	2.50	Ductile Iron	8,000	18.44	95	<a href="#">95-15251-18-2</a>	

## PRECISION TAPERED BEARING (SINGLE FLANGED)

Diameter	Width	Material	Capacity	OAH	Series	Part Number	Weight
7.87	1.75	Cast Iron	2,500	10.06	65	<a href="#">65-08209-18-2</a>	29.00
6.13	1.69	Cast Iron	3,500	8.06	70	<a href="#">70-06209-18-2</a>	36.00
7.87	1.75	Cast Iron	2,500	10.44	70	<a href="#">70-08209-18-2</a>	30.00
7.87	2.25	Cast Iron	3,500	10.44	70	<a href="#">70-07259-18-2</a>	30.00
8.00	2.25	Cast Iron	3,500	10.50	70	<a href="#">70-08259-18-2</a>	34.00
5.00	2.06	Forged Steel	10,000	8.00	80	<a href="#">80-05209-28-2</a>	30.00
6.13	1.69	Cast Iron	5,000	8.56	80	<a href="#">80-06209-18-2</a>	39.00
7.87	2.25	Cast Iron	3,500	10.44	80	<a href="#">80-07259-18-2</a>	33.00
8.00	2.25	Cast Iron	3,500	10.50	80	<a href="#">80-08259-18-2</a>	37.00
8.00	2.38	Forged Steel	10,000	10.50	80	<a href="#">80-08209-28-2</a>	63.00
5.00	2.06	Forged Steel	10,000	8.50	90	<a href="#">90-05209-28-2</a>	30.00
8.00	2.38	Forged Steel	10,000	11.00	90	<a href="#">90-08209-28-2</a>	63.00
10.00	4.00	Ductile Iron	12,000	14.50	95	<a href="#">95-10409-18-2</a>	150.00

Capacity listed is for manual operation. For powered operations, consult factory.  
All dimensions are in inches. All weights are in pounds.  
For rail information and flanged wheel dimensions see page 144.

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# CASTERS FLANGED

## STRAIGHT ROLLER BEARING (DUAL FLANGED)

Diameter	Width	Material	Capacity	OAH	Series	Part Number	Weight
6.00	2.13	Cast Iron	3,500	8.00	70	<a href="#">70-06201-19-2</a>	38.00
5.00	1.69	Forged Steel	6,000	8.00	80	<a href="#">80-05201-29-2</a>	32.00
6.00	2.13	Cast Iron	5,000	8.50	80	<a href="#">80-06201-19-2</a>	41.00
8.00	1.76	Forged Steel	6,000	10.50	80	<a href="#">80-08201-29-2</a>	65.00
5.00	1.69	Forged Steel	6,000	8.50	90	<a href="#">90-05201-29-2</a>	32.00
8.00	1.76	Forged Steel	6,000	11.00	90	<a href="#">90-08201-29-2</a>	65.00

## PRECISION TAPERED BEARING (DUAL FLANGED)

Diameter	Width	Material	Capacity	OAH	Series	Part Number	Weight
6.00	2.13	Cast Iron	3,500	8.00	70	<a href="#">70-06209-19-2</a>	38.00
5.00	1.69	Forged Steel	10,000	8.00	80	<a href="#">80-05209-29-2</a>	32.00
6.00	2.13	Cast Iron	6,000	8.50	80	<a href="#">80-06209-19-2</a>	41.00
8.00	1.76	Forged Steel	10,000	10.50	80	<a href="#">80-08209-29-2</a>	65.00
8.00	1.76	Forged Steel	10,000	11.00	90	<a href="#">90-08209-29-2</a>	65.00
5.00	1.69	Forged Steel	10,000	8.50	90	<a href="#">90-05209-29-2</a>	32.00
10.00	3.00	Ductile Iron	12,000	14.50	95	<a href="#">95-10309-19-2</a>	150.00

Capacity listed is for manual operation. For powered operations, consult factory.

All dimensions are in inches. All weights are in pounds. For rail information and flanged wheel dimensions see page 144.