

## KINGPINLESS PNEUMATIC CASTER FEATURES

**16 Series/ Swivel Section:** Cold forged top plate, yoke and button are all heat treated to prevent brinelling, improve swivel action and increase service life. Load and thrust bearings are hardened and ground and rotate on hardened raceways. All swivel sections are equipped with a lubrication fitting for field maintenance. Notched yokes are standard.

**71K Series / Raceway Design:** Patented Kingpinless™ single ball bearing precision machined raceway, to 53 Rockwell C minimum, lube fittings for swivel bearings and for wheel bearings. Swivel section features a 2-3/8" diameter raceway with 3/8" ball bearings. Notched yokes are standard.

**90K Series / Raceway Design:** Patented Kingpinless™ single ball bearing precision machined raceway, to 53 Rockwell C minimum. Swivel section features a 3" diameter raceway with 1/2" ball bearings. Lube fittings for swivel bearings and wheel bearings. Notched yokes are standard.

**94K Series / Raceway Design:** 4-1/2" diameter raceway with 3/4" diameter carbon steel balls. Precision machined and hardened to 53 Rockwell C minimum. Load and thrust are accommodated by our Patented Kingpinless™ design. Sealed raceway is standard. Swivel Top Plate - SAE 1045 hot steel forging. Swivel Yoke Base - SAE 1045 hot steel forging.

**98K Series / Raceway Design:** Patented Kingpinless™ single ball bearing precision machined raceway, to 53 Rockwell C minimum. 7" diameter raceway with 3/4" diameter ball bearings.



For best performance,  
all pneumatic casters should be of  
**KINGPINLESS CONSTRUCTION.**

**Note:** Maintain proper air pressure for best results. Capacity rating is for manual operation. For capacities of power moved loads, larger diameter or higher capacity wheels, please consult the factory.

## Options

**CWB:** Cam Wheel Brake (8" & 10" only)

**DSL:** Demountable swivel lock (requires Notched yoke)

**FCWB:** Face Contact Wheel Brake for larger sizes

**FF:** Foam Filled Tire

**HDSL:** Heavy-Duty Threaded Swivel Lock

**NY :** Notched Yoke

**SL:** Swivel Lock

**SR:** Sealed Swivel Raceway

## STANDARD TOP PLATES

Series / Top Plate	Mounting Plate (in)	Bolt Hole Spacing (in)	Bolt Size (in)
<b>16 &amp; 71K</b>	4 x 4-1/2	2-5/8 x 3-5/8 slotted to 3 x 3	3/8
<b>90K</b>	5-1/4 x 7-1/4	3-3/8 x 5-1/4 slotted to 4-1/8 x 6-1/8	1/2
<b>94K</b>	6-1/4 x 4-1/2 (swl)	4-1/2 x 6 slotted to 4-1/8 x 6-1/8	1/2
<b>98K</b>	8-1/2 x 8-1/2	7 x 7	5/8

## PNEUMATIC CASTER SPECIFICATIONS

Dia. (in.)	Width (in.)	Cap. (lbs.)	OAH (in.)	Swivel Caster with Straight Roller Bearing	Swivel Caster with Ball Bearing	Swivel Caster with Tapered Bearing	Swl. Lead (in.)	Wt. (lbs.)
8	2.80/4	300	11	4-16-SF-R-0828-S	4-16-SF-B-0828-S	–	2-5/8	9.5
8	2.80/4	300	11	5-72K-SF-R-0828-S	5-72K-SF-B-0828-S	–	2-5/8	13
8	2.80/4	600	11	5-72K/DW-SF-R-0828-S	5-72K/DW-SF-B-0828-S	–	2-5/8	20
10	4.10/4	480	13	4-16-SF-R-1041-S	4-16-SF-B-1041-S	–	3-1/4	11
10	4.10/4	480	13	5-72K-SF-R-1041-S	5-72K-SF-B-1041-S	5-72K-SF-T-1041-S	3-1/4	14
10	4.10/4	960	13	5-72K/DW-SF-R-1041-S	5-72K/DW-SF-B-1041-S	5-72K/DW-SF-T-1041-S	3-1/4	22
12	4.10/6	500	15-1/2	4-16-SF-R-1241-S	4-16-SF-B-1241-S	–	3-1/2	14.5
12	4.10/6	500	15-1/2	5-72K-SF-R-1241-S	5-72K-SF-B-1241-S	5-72K-SF-T-1241-S	3-1/2	15
12	4.10/6	1000	15-1/2	5-72K/DW-SF-R-1241-S	5-72K/DW-SF-B-1241-S	5-72K/DW-SF-T-1241-S	3-1/2	35
14	5.30/6	870	17-3/4	7-90K-SF-R-1448-S	7-90K-SF-B-1448-S	7-90K-SF-T-1448-S	4-1/2	28
14	5.30/6	1740	17-3/4	7-90K/DW-SF-R-1448-S	7-90K/DW-SF-B-1448-S	7-90K/DW-SF-T-1448-S	4-1/2	41
16	4.80/8	1000	19-1/8	7-90K-SF-R-1648-S	–	7-90K-SF-T-1648-S	4-1/2	35
16	4.80/8	1230	19-1/8	–	–	8-94K-SF-T-1648-S***	4	45
16	4.80/8	2000	19-1/8	7-90K/DW-SF-R-1648-S	–	7-90K/DW-SF-T-1648-S	4-1/2	53
16	4.80/8	2460	19-1/8	–	–	8-94K/DW-SF-T-1648-S***	4	45
18	5.70/8	1170	21-1/4	7-90K-SF-R-1857-S	–	7-90K-SF-T-1857-S	4-1/2	35
18	5.70/8	2340	21-1/4	7-90K/DW-SF-R-1857-S	–	7-90K/DW-SF-T-1857-S	4	45
18	5.70/8	1560	21-1/2	8-94K-SF-R-1857-S***	–	8-94K-SF-T-1857-S***	4-1/2	53
18	5.70/8	3120	21-1/2	8-94K/DW-SF-R-1857-S***	–	8-94K/DW-SF-T-1857-S***	4	45
21	6.90/9	2420	24-1/4	–	–	10-98K-SF-T-2169-S****	5	84.5
21	6.90/9	4840	24-1/4	–	–	10-98K/DW-SF-T-2169-S****	5	130
23	6.50/10	2775	26-1/4	–	–	10-98K-SF-T-2365-S****	5	87
23	6.50/10	5550	26-1/4	–	–	10-98K/DW-SF-T-2365-S****	5	135
25	7.50/10	3630	28-3/4	–	–	10-98K-SF-T-2575-S****	5	90.5
25	7.50/10	7260	28-3/4	–	–	10-98K/DW-SF-T-2575-S****	5	140

For rigid casters, change "S" to "R" (i.e. 72K/DW-SF-R\*-1041-S becomes 72K/DW-SF-R\*-1041-R)

All Rig Options should be added to the end of the part number. (i.e. 72K/DW-SF-R\*-1041-SL for Swivel Lock)

**ALL PNEUMATIC WHEELS ARE AVAILABLE WITH SEALED PRECISION BEARINGS**

\*Add 1/8" to caster overall height when using this top plate.

\*\*Deduct 1/16" to caster overall height when using this top plate.

\*\*\*6 ply

\*\*\*\*10 ply

4 ply is standard

Maintain proper air pressure for best results. Capacity rating is for manual operation. For capacities of power moved loads, larger diameter or higher capacity wheels, please consult Acorn™.

## OPTIONAL TOP PLATES

Series / Top Plate	Mounting Plate (in)	Bolt Hole Spacing (in)	Bolt Size (in)
<b>16 &amp; 71K Series Top Plates</b>			
41	4x5	2-5/8 x 3-5/8 slotted to 3 x 4	3/8
42	4-1/2 x 6-1/2	2-7/16 x 4-15/16 slotted to 3-3/8 x 5-1/4	1/2
43	5 x 5-1/2	4-1/8 x 4-1/2	3/8
<b>90K Series Top Plates</b>			
90	6 x 7	4-5/8 x 5-1/2 slotted to 4-3/8 x 5-5/8	1/2
95	6 x 7-1/2	4-1/2 x 6 slotted to 4-1/8 x 6-1/8	1/2
42	4-1/2 x 6-1/2	2-7/16 x 4-15/16 slotted to 3-3/8 x 5-1/4	1/2
<b>98K Series Top Plates</b>			
91	8-1/2 x 11	7 x 9-3/4	5/8

## SEMI-PNEUMATIC SERIES: 4-12 / 4-16 / 5-72

Recommended for light or medium duty dollies, bottlers trucks, hand trucks or other manually operated units. Semi-pneumatics are high profile, solid center cushion rubber tires mounted on stamped centers with lug base rims. For extra heavy service, kingpinless construction recommended.



## FEATURES

- **Swivel Casters:** Double ball bearing raceway
- **Shock Absorbing:** Extra Heavy Duty Cushion wheel protects equipment
- **No inflation problems:** As these wheel are not pressurized
- **Pressure Lubrication:**  
To all bearings 6" diameter wheels must be lubricated thru hollow axle as pressure fitting cannot be inserted in hub Bearings – Ball or roller bearings

## OPTIONS

- Swivel lock specify **L**
- Face contact brake **F**
- Foot activated swivel lock specify **SL160001** (16 Series Model)
- Sealed swivel specify **NS**

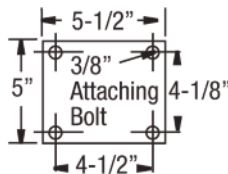
## 4-12 SERIES / 4-16 SERIES / 5-72 SERIES (SEMI-PNEUMATIC)

Dia. (in.)	Width (in.)	Capacity (lb.)	OAH (in.)	Swivel Lead (in.)	Wt. (lb.)	Caster # Ball Bearing	Caster # Roller Bearing
<b>4-12 Series</b>							
6	2.00EHS	200	7-3/8	1-3/4	6-3/4	<b>4-12-SN-B-0620-S</b>	<b>4-12-SN-R-0620-S</b>
8	2.50EHS	350	10	1-3/4	10-3/4	<b>4-12-SN-B-0825-S</b>	<b>4-12-SN-R-0825-S</b>
<b>4-16 Series</b>							
6	2.00EHS	200	7-3/8	1-3/4	6-1/4	<b>4-16-SN-B-0620-S</b>	<b>4-16-SN-R-0620-S</b>
<b>5-72 Series</b>							
10	2.75EHS	350	11-1/2	3-1/2	17	<b>5-72-SN-B-1027-S</b>	<b>5-72-SN-R-1027-S</b>
12	3.00EHS	540	14-1/2	3-1/2	22	<b>5-72-SN-B-1230-S</b>	<b>5-72-SN-R-1230-S</b>

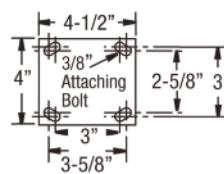
Never-Flat Wheels available

in 8" and 10" diameters.

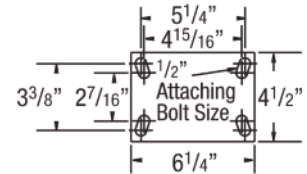
See section 11



**4-12 Series  
Top Plate**



**4-16 Series  
Top Plate**



**5-72 Series  
Top Plate**

## SEMI-PNEUMATIC SERIES: 4-16 / 5-72 / 7-90

Recommended for the greatest possible protection to both load and floor, or for off-road application. If you transport fragile materials or parts – or if you move delicate instruments over rough floors, you should consider this product offering. Full pneumatics cushion the load on air as does automobile or truck wheels. For extra heavy service, kingpinless construction recommended.



## FEATURES

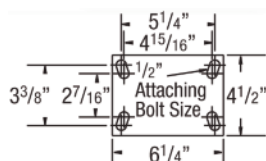
- **Swivel Casters:** Double ball bearing raceway
- **Shock Absorbing:** Cushion wheel protects equipment
- **Bearings:** Ball or Roller Bearings

## OPTIONS

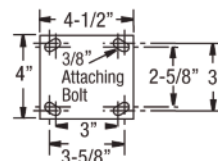
- Swivel lock specify **L**
- Foot activated swivel lock specify **SL160002** (16 Series Models)
- Face contact brake specify **F**
- Sealed Swivel specify **NS**
- Foam fill available; consult Acorn™
- Precision bearings available; consult Acorn™
- For towed applications tapered bearings are recommended

## 4-16 SERIES / 5-72 SERIES / 7-90 SERIES (SEMI-PNEUMATIC)

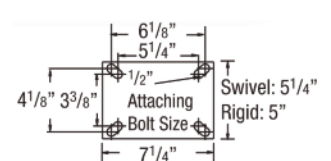
Dia. (in.)	Width (in.)	Capacity (lb.)	OAH (in.)	Swivel Lead (in.)	Wt. (lb.)	Caster # Ball Bearing	Caster # Roller Bearing
<b>4-16 Series</b>							
6	2.00/4	200	7-1/4	1-3/4	8-1/2	<b>4-16-SF-B-0620-S</b>	
8	2.00/4	210	9-1/2	1-3/4		<b>4-16-SF-B-0820-S</b>	
8	2.50/4	220	10-1/8	1-3/4	7	<b>4-16-SF-B-0825-S</b>	<b>4-16-SF-R-0825-S</b>
8	2.80/4	295	11	2-5/8	9-1/2	<b>4-16-SF-B-0828-S</b>	<b>4-16-SF-R-0828-S</b>
10	4.10/4	350	13	3-1/4	11	<b>4-16-SF-B-1041-S</b>	<b>4-16-SF-R-1041-S</b>
12	4.10/4	445	15-1/2	3-1/2	14-1/4	<b>4-16-SF-B-1241-S</b>	<b>4-16-SF-R-1241-S</b>
<b>5-72 Series</b>							
6	2.00/4	200	7-1/2	2-3/16	8-1/2	<b>5-72-SF-B-0620-S</b>	
8	2.00/4	210	11	2-5/8		<b>5-72-SF-B-0820-S</b>	
8	2.80/4	295	11	2-5/8	12-3/4	<b>5-72-SF-B-0828-S</b>	<b>5-72-SF-R-0828-S</b>
10	4.10/4	350	13	3-1/4	14-1/4	<b>5-72-SF-B-1041-S</b>	<b>5-72-SF-R-1041-S</b>
12	4.10/4	445	15-1/2	3-1/2	17-1/2	<b>5-72-SF-B-1241-S</b>	<b>5-72-SF-R-1241-S</b>
<b>7-90 Series</b>							
14	5.30/6	785	17-3/4	4	29-1/4	<b>7-90-SF-B-1453-S</b>	<b>7-90-SF-R-1453-S</b>
16	4.80/8	1000	19-1/8	4-1/2	35-1/2		<b>7-90-SF-R-1648-S</b>
18	5.70/8	1170	21-1/4	5	41		<b>7-90-SF-R-1857-S</b>



**4-16 Series  
Top Plate**



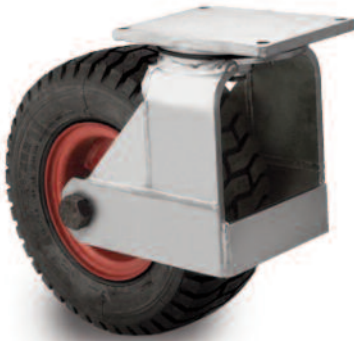
**5-72 Series  
Top Plate**



**7-90 Series  
Top Plate**

## PNEUMATIC SERIES: 8-94BBL / 9-95BBL

These casters and wheels are deluxe models. Use them for very heavy duty service. They will handle any job that is practical to mount on pneumatics. The tires are mounted on wide base rims. This permits more air volume, more load capacity, stability and cushioning. Wheel bearings are tapered with dust seals. Note: model ordered may look different than photo above. For extra heavy service, kingpinless construction recommended.



## FEATURES

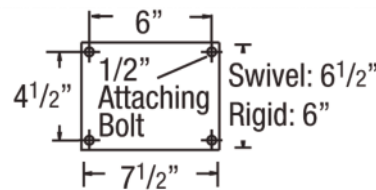
- **Swivel Casters:** Hardened double ball bearing raceway with 1-1/4" tapered roller thrust bearing
- **Shock Absorbing:** Cushion wheel protects equipment
- **Pressure Lubrication:** To all bearings

## OPTIONS

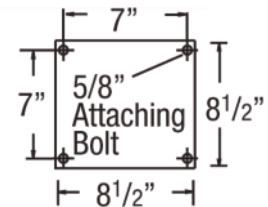
- Swivel lock specify **L**
- Face contact brake **F**
- Sealed swivel specify **NS**
- Foam fill available; consult Acorn™

## 8-94/BBL SERIES / 9-95/BBL SERIES (PNEUMATIC)

Dia. (in.)	Width (in.)	Capacity (lb.)	OAH (in.)	Swivel Lead (in.)	Wt. (lb.)	Tapered Bearing Caster #
<b>8-94/BBL Series</b>						
16	4.80/8	1300	19-1/8	4	44-1/4	<b>8-94/BBL/SF-T-1648-S</b>
18	5.70/8	1590	21-1/2	4-1/2	54-3/4	<b>8-94/BBL/SF-T-1857-S</b>
<b>9-95/BBL Series</b>						
21	6.90/9	2420	24-1/4	5	84-1/4	<b>9-95/BBL/SF-T-2169-S</b>
23	6.50/10	2775	26-1/4	5	87-1/4	<b>9-95/BBL/SF-T-2365-S</b>
25	7.50/10	3630	28-3/4	5	90-1/2	<b>9-95/BBL/SF-T-2575-S</b>



**8-94/BBL Series  
Top Plate**



**9-95/BBL Series  
Top Plate**

## FEATURES

- Wheel: premium quality designed to eliminate lops and wobble while rolling.
- Finish: bright zinc, brass or chrome plating to resist rust and corrosion.
- Swivel Grease Seal: standard on polished brass models.
- Swivel Construction: double ball bearing.
- Axle: 1/2" diameter.
- King Pin: 5/8" steel rivet, hydraulically upset.
- Zerk Grease Fitting: swivel raceway.
- Fork Leg Spacing: 8" wheel 3". 10" wheel 4".



Polished Brass Caster



Polished Brass with Lock

## CASTER OPTIONS

- VertiLoc Brake: to order, add "VL" to end of model number.

## MOUNTING

Top Plate Size: 4" x 4-1/2"

Bolt Hole Spacing: 2-5/8" x 3-5/8" or 3" x 3"

Mounting Bolt Size: 3/8"



Polished Chrome Caster



Polished Chrome Rigid Caster

## (ZINC PLATED)

Wheel Dia.	Tread Width	Wheel Type	Bearing	Cap.	Swivel Caster Model #	Rigid Caster Model #	Approx. Weight	Load Weight	Swivel Radius
8	2.80/4	Black Pneumatic Rubber	Ball	310	3J-PN-8-W81-940	3J-PN-8-W82-940	8	9-1/2	6-1/8
8	2.80/4	Gray Pneumatic Rubber	Ball	310	3J-PN-8-W81-940G	3J-PN-8-W82-940G	8	9-1/2	6-1/8
10	4.10/4	Black Pneumatic Rubber	Ball	470	3J-PN-10-W87-940	3J-PN-10-W88-940	9	13	7-5/8

## (POLISHED BRASS)

Wheel Dia.	Tread Width	Wheel Type	Bearing	Cap.	Swivel Caster Model #	Rigid Caster Model #	Approx. Weight	Load Weight	Swivel Radius
8	2.80/4	Black Pneumatic Rubber	Ball	310	3J-PN-8-W81-940-1GSPB	3J-PN-8-W82-940-1GSPB	8	9-1/2	6-1/8

## (POLISHED CHROME)

Wheel Dia.	Tread Width	Wheel Type	Bearing	Cap.	Swivel Caster Model #	Rigid Caster Model #	Approx. Weight	Load Weight	Swivel Radius
8	2.80/4	Black Pneumatic Rubber	Ball	310	3J-PN-8-W81-940-1PC	3J-PN-8-W82-940-1PC	8	9-1/2	6-1/8

# Pneumatic Cantilever-Style Dual Wheel Casters

## PNEUMATIC DUAL WHEEL CASTERS

Load Capacity Up to 7260 lbs.



SF

Dual wheel models are recommended for the greatest possible protection to both loads and floors with increased capacity. If you transport fragile materials or parts - or if you move delicate instruments over rough floors, you should consider this product offering.

### Standard Models

- **Swivel Casters:** Double ball raceway
- **Shock Absorbing:** Cushion wheel protects equipment
- **Bearings:** Ball or roller bearings

### BBL Models

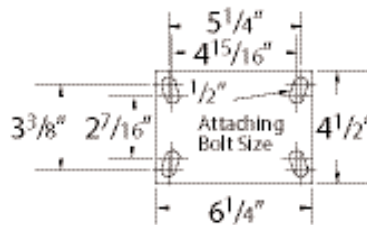
- **Swivel Casters:** Hardened double ball bearing raceway with 1-1/4" tapered roller thrust bearing
- **Shock Absorbing:** Cushion wheel protects equipment
- **Pressure Lubrication:** To all bearings

### Options

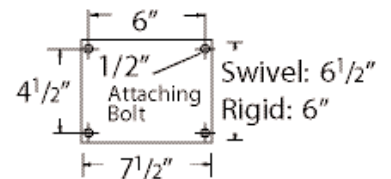
- **Swivel lock** specify L
- **Face contact brake** specify F
- **Sealed Swivel** specify NS
- **Foam fill** please consult Acorn™

Dia. (in.)	Width (in.)	Capacity (lbs.)	OAH (in.)	Swivel Lead (in.)	Wt. (lbs.)	Part Number
<b>5-72/DW Series</b>						
8	2.80/4	590	11	2-5/8	19	5-72/DW-SF-P-0828-S
10	4.10/4	700	13	3-1/4	21-3/4	5-72/DW-SF-P-1041-S
<b>7-90/DW Series</b>						
12	4.10/6	890	15-1/2	3-1/2	35	7-90/DW-SF-P-1241-S
14	5.30/6	1570	17-3/4	4	41	7-90/DW-SF-P-1453-S
16	4.80/9	2000	19-1/8	4-1/2	53-1/4	7-90/DW-SF-P-1648-S
18	5.70/8	2340	21-1/4	5	59-3/4	7-90/DW-SF-P-1857-S
<b>8-94/DW/BBL Series</b>						
16	4.80/8	2600	19-1/8	4	71	8-94/DW/BBL-SF-P-1648-S
18	5.70/8	3180	21-1/2	4-1/2	81-3/4	8-94/DW/BBL-SF-P-1857-S
<b>9-95/DW/BBL Series</b>						
21	6.90/9	4840	24-1/4	5	129-3/4	9-95/DW/BBL-SF-P-2169-S
23	6.50/10	5550	26-1/4	5	134-1/2	9-95/DW/BBL-SF-P-2365-S
25	7.50/10	7260	28-3/4	5	139	9-95/DW/BBL-SF-P-2575-S

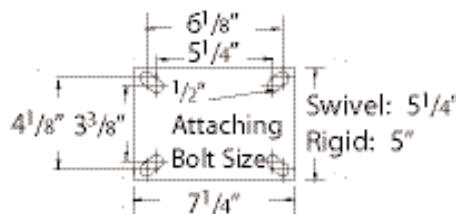
5-72/DW Series Top Plate



8-94/DW/BBL Series Top Plate



7-90/DW Series Top Plate



9-95/DW/BBL Series Top Plate

