

KINGPINLESS PNEUMATIC CASTERS

KINGPINLESS PNEUMATIC CASTER FEATURES

4K: 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.

5K 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.

7K 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.

8K 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.

9K 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.



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 Acorn™.

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 (inch)	Bolt Hole Spacing (inch)	Bolt Size (in)
4K & 5K	4 x 4-1/2	2-5/8 x 3-5/8 slotted to 3 x 3	3/8
7K	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
8K	6-1/4 x 4-1/2 (swl)	4-1/2 x 6 slotted to 4-1/8 x 6-1/8	1/2
9K	8-1/2 x 8-1/2	7 x 7	5/8

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PNEUMATIC CASTER SPECIFICATIONS

Dia. (inch)	Width (inch)	Cap. (lbs.)	OAH (inch)	Swivel Caster with Straight Roller Bearing	Swivel Caster with Ball Bearing	Swivel Caster with Tapered Bearing	Swl. Lead (inch)	Wt. (lbs.)
8	2.80/4	300	11	4KS8RSF	4KS8BSF	–	2-5/8	9.5
8	2.80/4	300	11	5KS8RSF	5KS8BSF	–	2-5/8	13
8	2.80/4	600	11	5KDWS8RSF	5KDWS8BSF	–	2-5/8	20
10	4.10/4	480	13	4KS10RSF	4KS10RBF	–	3-1/4	11
10	4.10/4	480	13	5KS10RSF	5KS10BSFS	5KS10TSFS	3-1/4	14
10	4.10/4	960	13	5KDWS10RSF	5KDWS10BSFS	5KDWS10TSFSS	3-1/4	22
12	4.10/6	500	15-1/2	4KS12RSF	4KS12RBF	–	3-1/2	14.5
12	4.10/6	500	15-1/2	5KS12RSF	5KS12BRSF	5KS12TRSF	3-1/2	15
12	4.10/6	1000	15-1/2	5KDWS12RSF	5KDWS12BRSF	5KDWS12TRSF	3-1/2	35
14	5.30/6	870	17-3/4	7KS14RSF	7KS14BS	7KS14TSF	4-1/2	28
14	5.30/6	1740	17-3/4	7KDWS14RSF	7KDWS14BS	7KDWS14TSF	4-1/2	41
16	4.80/8	1000	19-1/8	7KS16RSF	–	7KS16TSF	4-1/2	35
16	4.80/8	1230	19-1/8	–	–	8KS16TSF	4	45
16	4.80/8	2000	19-1/8	7KDWS16RSF	–	7KDWS16TS	4-1/2	53
16	4.80/8	2460	19-1/8	–	–	8KDWS16TS*	4	45
18	5.70/8	1170	21-1/4	7KS18RSF	–	7KS18TSF	4-1/2	35
18	5.70/8	2340	21-1/4	7KDWS18RSF	–	7KDWS18TSF	4	45
18	5.70/8	1560	21-1/2	8KS18RSF	–	8KS18TSF	4-1/2	53
18	5.70/8	3120	21-1/2	8KDWS18RSF	–	8KDWS18TS	4	45
21	6.90/9	2420	24-1/4	–	–	10KS21T	5	84.5
21	6.90/9	4840	24-1/4	–	–	10KDWS21T	5	130
23	6.50/10	2775	26-1/4	–	–	10KS23T	5	87
23	6.50/10	5550	26-1/4	–	–	10KDWS23T	5	135
25	7.50/10	3630	28-3/4	–	–	10KS25T	5	90.5
25	7.50/10	7260	28-3/4	–	–	10KDWS25T	5	140

For rigid casters, change "S" to "R" (i.e. 4KS8RSF becomes **4KR8RSF**)

All Rig Options should be added to the end of the part number. (i.e. 4KS8RSFSL 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

OPTIONAL TOP PLATES

Series/ Top Plate	Mounting Plate (inch)	Bolt Hole Spacing (inch)	Bolt Size (inch)
4K & 5K Top Plates			
4KJ	4 x 5	2-5/8 x 3-5/8 slotted to 3 x 4	3/8
4KK	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
4KD	5 x 5-1/2	4-1/8 x 4-1/2	3/8
7K Top Plates			
7KB	6 x 7	4-5/8 x 5-1/2 slotted to 4-3/8 x 5-5/8	1/2
7KC	6 x 7-1/2	4-1/2 x 6 slotted to 4-1/8 x 6-1/8	1/2
7KE	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
9K Top Plates			
9KA	8-1/2 x 11	7 x 9-3/4	5/8

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