

Caster Type**Page**

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**ALL WHEELS ARE AVAILABLE WITH
PRECISION BALL BEARING, CENTERPIECE & END CAPS
FOR MANUAL OR TOWING TO FIT IN 3-1/2" HUB LENGTH RIGS.
See Wheel Section for complete selection.**

7 7KA KINGPINLESS CASTERS



**LEADING SIDE
TOTAL LOCK SWIVEL CASTER**
Add TL to swivel caster number

Available Toe Guard
TO

**NEW TRAILING SIDE
TOTAL LOCK SWIVEL CASTER**
No need to move cots back and forth
for finding the brake pedal.
Add TLN to swivel caster number



Swivel Head Section



Total Lock System



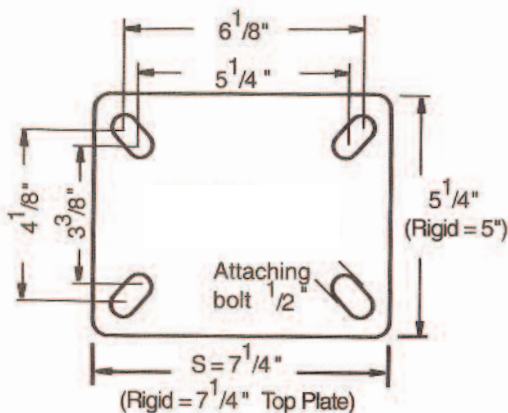
Wheel Face Brake



Directional Lock

5,000 LBS. LOAD CAPACITY FORGED KINGPINLESS TYPE CASTERS

- Single piece Drop Forged AISI 1045 Steel Top Plate and Fork Base.
- Precision CNC Machined Raceways with 3-1/2" diameter with 1/2" ball bearings.
- Induction Hardening of Raceways ensures uniform depth of hardness.
- Totally Sealed Swivel Head with Grease Nipple.
- 3/8" Thick x 3" wide Fork Legs Robotically welded Inside & Outside to 3 1/2" fork spacing.
- 3/4" Wheel axle.
- 4 Position Directional Lock Slots.
- Finish: Bright Zinc Plated.



TOP PLATE
5-1/4 X 7-1/4

BOLT HOLE CENTER
3-3/8 X 5-1/4
SLOTTED TO
4-1/8 X 6-1/8

ATTACHING BOLT SIZE
1/2

RIG OPTIONS
DL: 4-WAY DIRECTIONAL LOCK
WFB: WHEEL FACE BRAKE
ADD TO SUFFIX
OF THE CASTER PART NUMBER

TOE GUARDS
SPECIFY "TO"
WITH CASTER NUMBER

7 7KA KINGPINLESS CASTERS

NY/MD WHEELS

NYLACRON™ CAST NYLON WHEELS

- Precision Machined from Cast Polyamide Hardness 112-120 Rockwell R.
- Ultimate choice for Extremely High Load applications to replace metallic wheels.
- Offer very high abrasion resistance and very low rolling resistance under extreme loads.

- Resistant to salt, grease, alcohol and mild acids - can be used in corrosive applications with appropriate bearings.
- Precision Ball Bearings.
- Temperature Range: -40°F to +270°F.



Part Number Swivel Caster	Part Number Swivel with Total Lock	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius w/Total Lock (inch)	Swivel Radius w/Wheel Brake (inch)
7KS63NYMD	7KTL63NYMD	7KR63NYMD	6	3	5000	8	5-1/8	6	10-1/8
7KS83NYMD	7KTL83NYMD	7KR83NYMD	8	3	5000	10-1/2	6-1/2	6-1/4	11-1/4
7KS103NYMD	7KTL103NYMD	7KR103NYMD	10	3	5000	12-1/2	7-3/4	7-3/4	12-3/4
7KS123NYMD	7KTL123NYMD	7KR123NYMD	12	3	5000	15-1/2	8-3/8	8-3/8	13-3/8

NY/MC WHEELS

NYLACRON™ MONOCAST CAST NYLON WHEELS

- Precision Machined from Cast Polyamide Hardness 112-120 Rockwell R.
- Ultimate choice for Extremely High Load applications to replace metallic wheels.
- Offer very high abrasion resistance and very low rolling resistance under extreme loads.

- Resistant to salt, grease, alcohol and mild acids - can be used in corrosive applications with appropriate bearings.
- Precision Ball Bearings.
- Temperature Range: -40°F to +270°F.



Part Number Swivel Caster	Part Number Swivel with Total Lock	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius w/Total Lock (inch)	Swivel Radius w/Wheel Brake (inch)
7KS63NYMC	7KTL63NYMC	7KR63NYMC	6	3	5000	8	5-1/8	6	10-1/8
7KS83NYMC	7KTL83NYMC	7KR83NYMC	8	3	5000	10-1/2	6-1/2	6-1/4	11-1/4
7KS103NYMC	7KTL103NYMC	7KR103NYMC	10	3	5000	12-1/2	7-3/4	7-3/4	12-3/4
7KS123NYMC	7KTL123NYMC	7KR123NYMC	12	3	5000	15-1/2	8-3/8	8-3/8	13-3/8

7 7KA KINGPINLESS CASTERS

DF WHEELS

HOT FORGED STEEL WHEELS

- AISI 1045 steel with machined tread faces.
- Virtually indestructible and easy to maneuver.
- High abrasion and oil resistant.

- Can be use in the roughest of applications on the poorest of floors.
- Precision Ball Bearings.
- Temperature Range: -150°F to +800°F.



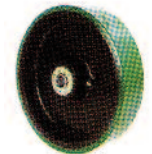
Part Number Swivel Caster	Part Number Swivel with Total Lock	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius w/Total Lock (inch)	Swivel Radius w/Wheel Brake (inch)
7KS63DF	7KTL63DF	7KR63DF	6	3	5000	8	5-1/8	6	10-1/8
7KS83DF	7KTL83DF	7KR83DF	8	3	5000	10-1/2	6-1/4	6-1/4	11-1/4
7KS103DF	7KTL103DF	7KR103DF	10	3	5000	12-1/2	7-3/4	7-3/4	12-3/4
7KS123DF	7KTL123DF	7KR123DF	12	3	5000	15-1/2	8-3/8	8-3/8	13-3/8

SJS WHEELS

POLYURETHANE TREAD WHEELS CAST IRON CORE

- Polyurethane tread wheels firmly bonded to Precision Machined Cast Iron Core.
- 93 + 3 Shore A.
- Low rolling resistance; smooth and noiseless running.
- Non-marking and floor protective.

- Good abrasion and cut resistance.
- Ideal for medium duty applications.
- Precision Ball Bearings.
- Temperature Range: -40°F to +180°F.
- **Available in Anti-Static add "AS" after wheel.**



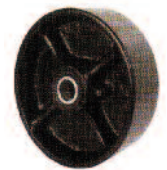
Part Number Swivel Caster	Part Number Swivel with Total Lock	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius w/Total Lock (inch)	Swivel Radius w/Wheel Brake (inch)
7KS63SJS	7KTL63SJS	7KR63SJS	6	3	2100	8	5-1/8	6	10-1/8
7KS83SJS	7KTL83SJS	7KR83SJS	8	3	2500	10-1/2	6-1/4	6-1/4	11-1/4
7KS103SJS	7KTL103SJS	7KR103SJS	10	3	3000	12-1/2	7-3/4	7-3/4	12-3/4
7KS123SJS	7KTL123SJS	7KR123SJS	12	3	3500	15-1/2	8-3/8"	8-3/8	13-3/8

MDW WHEELS

DUCTILE CAST STEEL WHEELS

- Machined tread face.
- Crown tread Face makes maneuverability easy.
- Higher Load Capacities compared to Cast Iron Wheels.

- Suitable for extra heavy loads towed in punishing conditions.
- High abrasion and oil resistance.
- Precision Ball Bearings.
- Temperature Range: 800°F.



Part Number Swivel Caster	Part Number Swivel with Total Lock	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius w/Total Lock (inch)	Swivel Radius w/Wheel Brake (inch)
7KS63SMDW	7KTL63SMDW	7KR63SMDW	6	3	3300	8	5-1/8	6	10-1/8
7KS83SMDW	7KTL83SMDW	7KR83SMDW	8	3	5000	10-1/2	6-1/4	6-1/4	11-1/4
7KS103SMDW	7KTL103SMDW	7KR103SMDW	10	3	5000	12-1/2	7-3/4	7-3/4	12-3/4
7KS123SMDW	7KTL123SMDW	7KR123SMDW	12	3	5000	15-1/2	8-3/8	8-3/8	13-3/8

7 7KDW DUAL WHEEL KINGPINLESS CASTERS



7,000 LBS. LOAD CAPACITY KINGPINLESS TYPE CASTERS

- **Raceway Design:** Patented Kinpinless single ball bearing precision machined raceway hardened to 53 Rockwell C minimum. Swivel section features a 3" diameter raceway with 1/2" ball bearings. The notched yoke is standard.
- **Finish:** Laguna Blue paint.
- **Yoke Base:** Harden C1040 steel.
- **Legs:** 3/8" formed steel. Center leg support is added for increased strength.
- **Wheels:** All wheels are 3" wide with precision bearings for minimal maintenance.
- **Axle:** 3/4" bolt, locking nut and lubrication fittings.
- Alternate or custom caster configurations available.

BRAKE OPTIONS

CWB Cam Wheel Brake

SWIVEL RIG OPTIONS

HT High Temperature Lubrication

LT Low Temperature Lubrication

DSL Demountable Swivel Lock

SL Swivel Lock

SR Sealed Swivel Raceway

TG Thread Guard

To order a rigid caster, change the "S" to "R" in the model number. Dimensions shown are nominal. If precise dimensions are required, consult Acorn™. For approximate weight of our rigid casters, deduct 3.9 pounds.

MOUNTING PLATE OPTIONS

TOP PLATE: (STANDARD)

Plate Size: 5-1/4" x 7-1/4"

Bolt Holes: 3-3/8" x 5-1/4"
slotted to
4-1/8" x 6-1/8"

Bolt Size: 1/2"

BEARING OPTIONS

Straight Roller **(01)**

Tapered Roller **(09)**

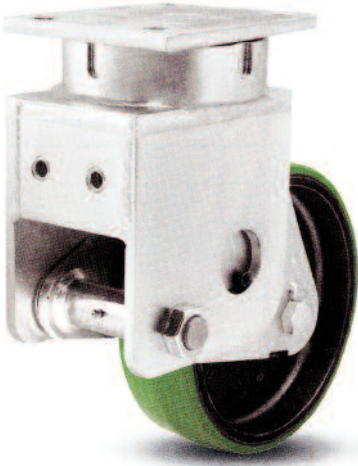
Precision Ball **(28)**

7 7KDW DUAL WHEEL KINGPINLESS CASTERS

Wheel Type (Wheel Code)	Diameter (inch)	Width (inch)	Capacity (lbs.)	OAH (inch)	Swivel Lead (inch)	Approx. Wt. (lbs.)	Swivel Part Number Add B, P, PL, R or T*
NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS							
	6	3	7000	8	2-1/16	22	7KDWSNYMDP63*
	8	3	7000	10-1/2	2-3/4	29	7KDWSNYMDP83*
	10	3	7000	12-1/2	3-1/4	31	7KDWSNYMDP1030*
	12	3	7000	15-1/2	4-1/8	44	7KDWSNYMDP1230*
SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH PRECISION BEARINGS (ALSO AVAILABLE IN CROWN TREAD)							
	6	3	3500	7-1/2	2-1/16	24	7KDWSSE9FTP63*
	8	3	4000	10-1/2	2-3/4	33	7KDWSSE9FTP83*
	10	3	4100	12-1/2	3-1/4	36	7KDWSSE9FTP1030*
	12	3	5000	15-1/2	4-1/8	47	7KDWSSE9FTP1230*
SWIVEL-EAZ™ (DUAL-IN-ONE) 80A / FLAT TREAD (SWE/8/FT) WHEELS WITH PRECISION BEARINGS (ALSO AVAILABLE CROWN TREAD)							
	6	3	2200	7-1/2	2-1/16	24	7KDWSSE8FTP63*
	8	3	2400	10-1/2	2-3/4	33	7KDWSSE8FTP83*
	10	3	2500	12-1/2	3-1/4	36	7KDWSSE8FTP1030*
	12	3	2600	15-1/2	4-1/8	47	7KDWSSE8FTP1230*
SWIVEL-EAZ™ (DUAL-IN-ONE) 60D / FLAT TREAD (SWE/6/FT) WHEELS WITH PRECISION BEARINGS (ALSO AVAILABLE IN CROWN TREAD)							
	6	3	3500	7-1/2	2-1/16	24	7KDWSSE6FTP63*
	8	3	4000	10-1/2	2-3/4	33	7KDWSSE6FTP83*
	10	3	4100	12-1/2	3-1/4	36	7KDWSSE6FTP1030*
	12	3	5000	15-1/2	4-1/8	47	7KDWSSE6FTP1230*

*Add "B" for Ball Bearing, "P" for Precision Bearing, "PL" for Plain Bearing, "R" for Roller Bearing or "T" for Tapered Bearing. Dimensions shown are nominal. If precise dimensions are required, consult Acorn™. **Additional wheels available.**

7 7KSL SPRING LOADED CASTERS



3,000 LBS. LOAD CAPACITY KINGPINLESS TYPE CASTERS

- **Load Springs:** Different load springs for each series permits wide variation in ride “softness”.
- **Complete Line:** Available on all 7KSL models.
- **Swivel Section:** Kingpinless design. Ball bearing mounted in a machined raceway.
- **Axle:** 3/4” diameter standard. Optional 1” diameter available.
- Alternate or custom caster configurations available.

Our newly designed spring loaded casters offer greater capacity and protection from damaging shock or unwanted vibration and movement. Noise levels are reduced through the dampening effect of these casters.

We offer many custom spring loaded solutions for the automotive and aviation industry.

TYPICAL APPLICATIONS

- Aviation ground support
- Aircraft tripod jacks
- Portable medical equipment
- Computer equipment
- Shock sensitive loads

MOUNTING PLATE OPTIONS

TOP PLATE: (STANDARD)

Plate Size: 4-1/2” x 6-1/4”

Bolt Holes: 2-7/16” x 4-15/16”
slotted to
3-3/8” x 5-1/4”

Bolt Size: 1/2”

7 7KSL SPRING LOADED CASTERS

NYLACRON™ CAST NYLON PRECISION BALL BEARINGS NY/MD

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)
7KSL63NYMD	7KSLR63NYMD	6	3	3000	7-1/2	1-3/8
7KSL83NYMD	7KSLR83NYMD	8	3	3000	10-1/8	2-1/16
7KSL103NYMD	7KSLR103NYMD	10	3	3000	11-1/2	2-1/4
7KSL123NYMD	7KSLR123NYMD	12	3	3000	13-1/2	2-11/16



POLYURETHANE TREAD ON CAST IRON PRECISION BALL BEARINGS PF

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)
7KSL63PF	7KSLR63PF	6	3	3000	7-1/2	1-3/8
7KSL83PFS	7KSLR83PF	8	3	3000	10-1/8	2-1/16
7KSL103PFS	7KSLR103PF	10	3	3000	11-1/2	2-1/4
7KSL123PFS	7KSLR123PF	12	3	3000	13-1/2	2-11/16



SWIVEL-EAZ™ 95A CROWN TREAD PRECISION BALL BEARINGS SWE/CT

• Crown tread also available in 70A, 80A, 60D & 75D durometer.

• See wheel section.

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)
7KSL63SWECT	7KSLR63SWECT	6	3	1100	7-1/2	1-3/8
7KSL83SWECT	7KSLR83SWECT	8	3	2400	10-1/8	2-1/16
7KSL103SWECT	7KSLR103SWECT	10	3	3000	11-1/2	2-1/4

SWIVEL-EAZ™ 95A FLAT TREAD PRECISION BALL BEARINGS SWE/FT

• Flat tread also available in 70A, 80A, 60D & 75D durometer.

• See wheel section.

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)
7KSL63SWEFT	7KSLR63SWEFT	6	3	1900	7-1/2	1-3/8
7KSL83SWEFT	7KSLR83SWEFT	8	3	3000	10-1/8	2-1/16
7KSL103SWEFT	7KSLR103SWEFT	10	3	3000	11-1/2	2-1/4