

# 610

## Contender™ Kingpinless Casters

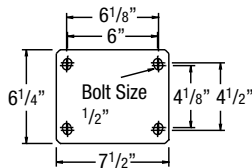


Highly recommended for automotive and aerospace applications. This caster is built to take the punishment of constant swiveling or for service where shock or impact loads might damage less rugged casters.

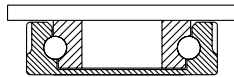
### TYPICAL APPLICATIONS

- Body dolly carts
- Engine dollies
- Material carts
- Chassis rack carts
- Paint line dollies
- Towed trash gondolas

### MOUNTING PLATE



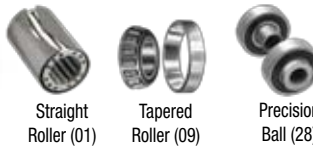
### Swivel Cross Section



### FEATURES

- **Top Plate:** 1/2" thick AISI 1045 steel precision machined and through-hardened for long life
- **Swivel Section:** 3/4" ball bearings mounted in a 4-3/8" precision machined raceway. Zerk in swivel section.
- **Legs:** 3/8" thick steel welded to yoke base using 100,000 psi weld filler
- **Axle:** 2-1/2" and 3" tread width wheels feature a 3/4" axle, 3-1/2" and 4" tread width wheels feature a 1" axle
- Alternate or custom caster configurations available

### BEARING OPTIONS



### RIG OPTIONS

- Spring-loaded, dual wheel models available, consult factory.
- Shear disk mounting consult factory.

### BRAKE OPTIONS

**Poly Cam**  
specify **P**



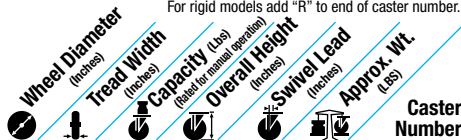
**Single Side** specify **SSB610**. **Double Sided** specify **DSB610**

**Face Contact**  
specify **F**



**Hand Operated Swivel Lock**  
specify **SL6000000**

For swivel models add "S" to end of caster number.  
For rigid models add "R" to end of caster number.



### Moldon Rubber on Cast Iron (01 Roller Bearing)

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (LBS)	Caster Number
6	2 1/2	540	8 1/2	1 3/4		610MR06401
6	3	680	8 1/2	1 3/4		610MR06501
8	2 1/2	670	10 1/2	2 1/4		610MR08401
8	3	840	10 1/2	2 1/4		610MR08501
10	3	1000	12 1/2	2 3/4		610MR10501
10	4	1400	12 1/2	2 3/4		610MR10701
12	3 1/2	1370	15 1/2	3 5/8		610MR12601
12	4	1600	15 1/2	3 5/8		610MR12701
14	3	1280	18	4 3/8		610MR14501

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610MR10509

MR

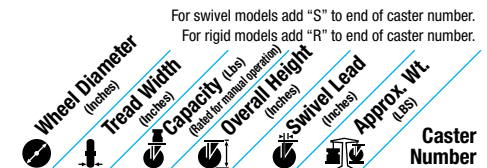
### Polyurethane on Aluminum (01 Roller Bearing)

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (LBS)	Caster Number
8	2 1/2	2010	10 1/2	2 1/4		610PD08401
8	3	2520	10 1/2	2 1/4		610PD08501
10	2 1/2	2370	10 1/2	2 3/4		610PD10401
10	3	3000	10 1/2	2 3/4		610PD10501

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610PD08409

PD

### Polyurethane on Cast Iron (01 Roller Bearing)

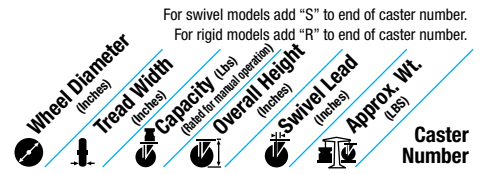
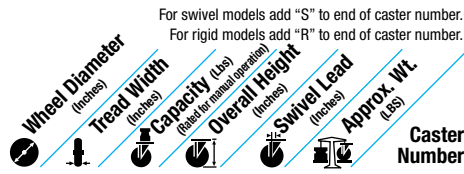


Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (LBS)	Caster Number
6	2 1/2	1620	8 1/2	1 3/4		610PY06401
6	3	2040	8 1/2	1 3/4		610PY06501
8	2 1/2	2010	10 1/2	2 1/4		610PY08401
8	3	2520	10 1/2	2 1/4		610PY08501
8	4	3500	10 1/2	2 1/4		610PY08701
10	3	3000	12 1/2	2 3/4		610PY10501
10	4	4200	12 1/2	2 3/4		610PY10701
12	3 1/2	4110	15 1/2	3 5/8		610PY12601
12	4	4800	15 1/2	3 5/8		610PY12701
14	4	5000	18	4 3/8		610PY14701

Prevenz™ antimicrobial models available.  
Add PREV to end of caster number.

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610PY10509

PY



**Polyurethane on Cast Iron (01 Roller Bearing)**

6	2 1/2	1600	8 1/2	1 3/4	<b>610PI06401</b>
6	3	2000	8 1/2	1 3/4	<b>610PI06501</b>
8	2 1/2	2000	10 1/2	2 1/4	<b>610PI08401</b>
8	3	2500	10 1/2	2 1/4	<b>610PI08501</b>
10	2 1/2	2200	12 1/2	2 3/4	<b>610PI10401</b>
10	3	3000	12 1/2	2 3/4	<b>610PI10501</b>
12	2 1/2	2500	15 1/2	3 5/8	<b>610PI12401</b>
12	3	3500	15 1/2	3 5/8	<b>610PI12501</b>

**Thick Tread Polyurethane (01 Roller Bearing)**

6	3	2040	8 1/2	1 3/4	<b>610PX06501</b>
8	3	2520	10 1/2	1 3/4	<b>610PX08501</b>
8	4	3500	10 1/2	2 1/4	<b>610PX08701</b>
10	3	3000	12 1/2	2 3/4	<b>610PX10501</b>
10	4	4200	12 1/2	2 3/4	<b>610PX10701</b>
12	4	4800	15 1/2	3 5/8	<b>610PX12701</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610PX10509

**Vulkollan on Cast Iron (01 Roller Bearing)**

6	2 1/2	2350	8 1/2	1 3/4	<b>610VY06401</b>
6	3	3000	8 1/2	1 3/4	<b>610VY06501</b>
8	2 1/2	2900	10 1/2	2 1/4	<b>610VY08401</b>
8	3	3025	10 1/2	2 1/4	<b>610VY08501</b>
10	3	3600	12 1/2	2 3/4	<b>610VY10501</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610VY10509

**Vulkollan Thick Tread Polyurethane (01 Roller Bearing)**

6	3	3000	8 1/2	1 3/4	<b>610VX06501</b>
8	3	4000	10 1/2	2 1/4	<b>610VX08501</b>
10	3	5000	12 1/2	2 3/4	<b>610VX10501</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610VX10509

**X-treme Plus Solid Polyurethane (28 Precision Ball Bearing)**

8	2 1/2	2000	10 1/2	2 1/4	<b>610XP08428</b>
8	3	2000	10 1/2	2 1/4	<b>610XP08528</b>
10	3	2500	12 1/2	2 3/4	<b>610XP10528</b>

Prevenz™ antimicrobial models available.  
Add PREV to end of caster number.

**Phenolic (01 Roller Bearing)**

6	2 1/2	1600	8 1/2	1 3/4	<b>610TM06401</b>
6	3	2000	8 1/2	1 3/4	<b>610TM06501</b>
8	2 1/2	2000	10 1/2	2 1/4	<b>610TM08401</b>
8	3	2500	10 1/2	2 1/4	<b>610TM08501</b>
10	3	2900	12 1/2	2 3/4	<b>610TM10501</b>
12	3 1/2	4000	15 1/2	3 5/8	<b>610TM12601</b>
12	4	8000	15 1/2	3 5/8	<b>610TM12701</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610TM10509

**Trionix™ High Impact Polymer (28 Precision Ball Bearings)**

10	3	2500	12 1/2	2 3/4	<b>610NY10528</b>
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**Trionix™ NX High Impact Polymer (28 Precision Ball Bearings)**

6	2 1/2	7200	8 1/2	1 3/4	<b>610NX06428</b>
6	3	7200	8 1/2	1 3/4	<b>610NX06528</b>
8	2 1/2	7200	10 1/2	2 1/4	<b>610NX08428</b>
8	3	7200	10 1/2	2 1/4	<b>610NX08528</b>
10	3	7200	12 1/2	2 3/4	<b>610NX10528</b>

**Cast Iron (01 Roller Bearing)**

6	3	2800	8 1/2	1 3/4	<b>610CA06501</b>
8	2 1/2	2300	10 1/2	2 1/4	<b>610CA08401</b>
8	3	2800	10 1/2	2 1/4	<b>610CA08501</b>
8	4	4000	10 1/2	2 1/4	<b>610CA08701</b>
10	3	2800	12 1/2	2 3/4	<b>610CA10501</b>
10	4	4000	12 1/2	2 3/4	<b>610CA10701</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610CA10509

**V-Grooved Cast Iron (01 Roller Bearing)\***

6	2 1/2	2500	8 1/2	1 3/4	<b>610VG06401</b>
8	2 1/2	2500	10 1/2	2 1/4	<b>610VG08401</b>
8	3	2500	10 1/2	2 1/4	<b>610VG08501</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610VG10509

**Drop Forged V-Grooved Cast Iron (01 Roller Bearing)**

6	3	6000**	8 1/2	1 3/4	<b>610VF06501</b>
8	4	6000**	10 1/2	2 1/4	<b>610VF08701</b>
10	4	8350	12 1/2	2 3/4	<b>610VF10701</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610VF10509.  
\*\*Capacity increases to 9500 lbs. if specifying tapered roller bearing.

**Drop Forged Steel (01 Roller Bearings)\***

6	2 1/2	4000	8 1/2	1 3/4	<b>610FS06401</b>
8	2 1/2	4000	10 1/2	2 1/4	<b>610FS08401</b>
8	3	5000	10 1/2	2 1/4	<b>610FS08501</b>
10	3	5000	12 1/2	2 3/4	<b>610FS10501</b>
10	4	8350	12 1/2	2 3/4	<b>610FS10701</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610FS10509. 6x2-1/2 capacity increases to 5000,  
8x3 capacity increases to 5500, 10x3 capacity increases to 6000,  
10x4 capacity increases to 9500.

**Heavy Duty Drop Forged Steel (01 Roller Bearings)\***

8	3	6000	10 1/2	2 1/4	<b>610FH08501</b>
10	3	6000	12 1/2	2 3/4	<b>610FH10501</b>

\*Tapered Roller (09) bearings available. Change "01" to "09"  
Example: 610FH10509. 10x3 capacity increases to 6500.  
All FH models include 1" axle.

**Ductile Iron Crowned Tread (01 Roller Bearing)**

6	2 1/2	3500	8 1/2	1 3/4	<b>610FR06401</b>
6	3	6000	8 1/2	1 3/4	<b>610FR06501</b>
8	3	6000	10 1/2	2 1/4	<b>610FR08501</b>
10	3	6000	12 1/2	2 3/4	<b>610FR10501</b>

\*Tapered Roller (09) available.  
(Tapered Roller example: 610FR06409).  
Ductile Iron Flat Tread (FM) and V-Groove (VM) models available.  
Change FR wheel code to FM or VM. Example: 610FM06401.