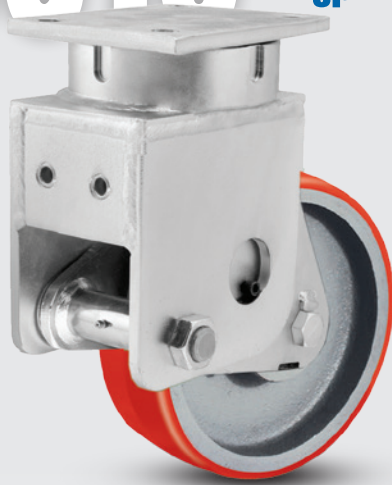


S610 Contender Spring Loaded Kingpinless Casters

CAPACITY TO 3000

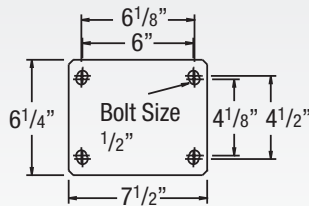


Highly recommended for automotive and aerospace applications. This caster is built to take the punishment of constant swiveling or for service where shock or impact loads might damage less rugged casters.

Greater capacity and better shock protection. Noise levels are reduced through the dampening effect of these casters.

Capacities listed at 50% of wheel deflection (21/32"). Total wheel deflection is 1-5/16".

MOUNTING OPTION



SWIVEL CROSS SECTION



TYPICAL APPLICATIONS

- Body dolly carts
- Engine dollies
- Material carts
- Chassis rack carts
- Paint line dollies
- Towed trash gondolas
- Aviation Ground Support
- Aircraft Tripod Jacks
- Shock Sensitive Loads

+ For swivel models add "S", for rigid model add "R" to end of base caster number.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Base Caster Number+
-------------------------	----------------------	---	-------------------------	----------------------	---------------------

Moldon Rubber on Cast Iron (09 Tapered Roller Bearing)*

MR/MH	6	2 1/2	700	1 13/4	4 1/2	S610MR06409
	6	3	750	1 13/4	4 1/2	S610MR06509
	8	2 1/2	850	1 23/4	4 1/2	S610MR08409
	8	3	900	1 23/4	4 1/2	S610MR08509
	10	2 1/2	950	1 47/8	4 1/2	S610MR10409
	10	2 1/2**	1500	1 47/8	4 1/2	S610MH10409
	10	3	1000	1 47/8	4 1/2	S610MR10509
	10	3**	1800	1 47/8	4 1/2	S610MH10509
	12	2 1/2	950	1 67/8	5 5/16	S610MR12409
	12	2 1/2**	1700	1 67/8	5 5/16	S610MH12409
	12	3	1200	1 67/8	5 5/16	S610MR12509

*Roller (01) bearings available. To order change "09" to "01". Example: S610MR10401.

**Heavy-duty MH version of wheel.



Premium Quality



Environmentally Friendly



Towing^

FEATURES

- **Load Springs:** Protect from damaging shocks and reduce noise levels through the dampening effect of the springs
- **Top Plate:** 1/2" AISI 1045 heat treated steel welded inside and out for longer life
- **Swivel Section:** 3/4" ball bearings mounted in a 4-3/8" precision machined raceway. Zerk in swivel section
- **Yoke Base:** Notched AISI 1045 heat treated steel
- **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

RIG OPTIONS

- For non-spring loaded versions, see 610 Series on pages 52-53
- S410 optional plates also available; consult factory

BRAKE OPTIONS

Consult factory

+ For swivel models add "S", for rigid model add "R" to end of base caster number.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Base Caster Number+
-------------------------	----------------------	---	-------------------------	----------------------	---------------------

Mold-on Polyurethane on Aluminum (01 Roller Bearing)*

PD	8	2 1/2	2010	1 23/4	4 1/2	S610PD08401
	8 <td>3 <td>2520 <th>1 23/4</th> <th>4 1/2</th> <th>S610PD08501</th> </td></td>	3 <td>2520 <th>1 23/4</th> <th>4 1/2</th> <th>S610PD08501</th> </td>	2520 <th>1 23/4</th> <th>4 1/2</th> <th>S610PD08501</th>	1 23/4	4 1/2	S610PD08501
	10 <th>2 1/2</th> <th>2370</th> <th>1 47/8</th> <th>4 1/2</th> <th>S610PD10401</th>	2 1/2	2370	1 47/8	4 1/2	S610PD10401
	10 <th>3</th> <th>2000</th> <th>1 47/8</th> <th>4 1/2</th> <th>S610PD10501</th>	3	2000	1 47/8	4 1/2	S610PD10501

Standard durometer 60 Shore D. Other durometers available.

*Tapered Roller (09) bearings available.

To order change "01" to "09". Example: S610PD10409.

Polyurethane on Cast Iron (09 Tapered Roller Bearing)*

PY	6	2 1/2	1600	1 13/4	4 1/2	S610PY06409
	6	3	2000	1 13/4	4 1/2	S610PY06509
	8 <th>2 1/2</th> <th>2000</th> <th>1 23/4</th> <th>4 1/2</th> <th>S610PY08409</th>	2 1/2	2000	1 23/4	4 1/2	S610PY08409
	8 <th>3</th> <th>2500</th> <th>1 23/4</th> <th>4 1/2</th> <th>S610PY08509</th>	3	2500	1 23/4	4 1/2	S610PY08509
	10 <th>2 1/2</th> <th>2300</th> <th>1 47/8</th> <th>4 1/2</th> <th>S610PY10409</th>	2 1/2	2300	1 47/8	4 1/2	S610PY10409
	10 <th>3</th> <th>3000</th> <th>1 47/8</th> <th>4 1/2</th> <th>S610PY10509</th>	3	3000	1 47/8	4 1/2	S610PY10509
95 Shore A	12 <th>2 1/2</th> <th>2700</th> <th>1 67/8</th> <th>5 5/16</th> <th>S610PY12409</th>	2 1/2	2700	1 67/8	5 5/16	S610PY12409
	12 <th>3</th> <th>3000</th> <th>1 67/8</th> <th>5 5/16</th> <th>S610PY12509</th>	3	3000	1 67/8	5 5/16	S610PY12509

*Roller (01) bearings available.

To order change "09" to "01". Example: S610PY10401. 80A Durometer available, add "80A" to end of caster number.

80A capacity reduced by approximately 20%.

Swivel example: S610PY06409S80A.

For 70D consult factory.

Thick Tread Polyurethane (09 Tapered Roller Bearing)*

PX	6	3	2250	1 13/4	4 1/2	S610PX06509
	8 <th>3</th> <th>2780</th> <th>1 23/4</th> <th>4 1/2</th> <th>S610PX08509</th>	3	2780	1 23/4	4 1/2	S610PX08509
	10 <th>2 1/2</th> <th>2600</th> <th>1 47/8</th> <th>4 1/2</th> <th>S610PX10409</th>	2 1/2	2600	1 47/8	4 1/2	S610PX10409
	10 <th>3</th> <th>3000</th> <th>1 47/8</th> <th>4 1/2</th> <th>S610PX10509</th>	3	3000	1 47/8	4 1/2	S610PX10509
	12 <th>3</th> <th>3000</th> <th>1 67/8</th> <th>5 5/16</th> <th>S610PX12509</th>	3	3000	1 67/8	5 5/16	S610PX12509

Standard durometer 95 Shore A. Other durometers available.

*Roller (01) bearings available. To order change "09" to "01".

Example: S610PX10401.

Continue on next page >>

+ For swivel models add "S", for rigid model add "R" to end of base caster number.


Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Base Caster Number +
-------------------------	----------------------	---	-------------------------	----------------------	----------------------

Aubin Industries Swivel-EAZ® Crown Tread (28 Prec. Ball Bearing)

EY 	6	3	2137	11 ³ / ₄	4 ¹ / ₂	S610EY06528
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610EY08528


Standard durometer 95 Shore A. Other durometers available.

Aubin Industries Swivel-EAZ® Flat Tread (28 Prec. Ball Bearing)

EZ 	6	3	2850	11 ³ / ₄	4 ¹ / ₂	S610EZ06528
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610EZ08528
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610EZ10528

Standard durometer 95 Shore A. Other durometers available.

Polyurethane on Heavy Duty Cast Iron (28 Precision Ball Bearing)*

PF 	6	2 ¹ / ₂	2900	11 ³ / ₄	4 ¹ / ₂	S610PF06428
	8	2 ¹ / ₂	3000	12 ³ / ₄	4 ¹ / ₂	S610PF08428
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610PF08528
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610PF10528

95 Shore A

*Tapered Roller (09) bearings available.
To order change "28" to "09". Example: S610PF10509.


Polyurethane Reactive on Iron (28 Precision Ball Bearing)*

PR 	10	3	2400	14 ⁷ / ₈	4 ¹ / ₂	S610PR10528
	12	3	2800	16 ⁷ / ₈	5 ⁵ / ₁₆	S610PR12528

80 Shore A

*Tapered Roller (09) bearings available.
To order change "28" to "09". Example: S610PR10509.

Vulkollan on Cast Iron (09 Tapered Roller Bearing)*

VY 	6	2 ¹ / ₂	2350	11 ³ / ₄	4 ¹ / ₂	S610VY06409
	8	2 ¹ / ₂	2900	12 ³ / ₄	4 ¹ / ₂	S610VY08409
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610VY08509
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610VY10509


*Roller (01) bearings available.
To order change "09" to "01". Example: S610VY10501.

Thick Tread Vulkollan on Cast Iron (09 Tapered Roller Bearing)*


VX 	6	3	3000	11 ³ / ₄	4 ¹ / ₂	S610VX06509
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610VX08509
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610VX10509

*Roller (01) bearings available.
To order change "09" to "01". Example: S610VX10501.

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

XP 	8	2 ¹ / ₂	2000	12 ³ / ₄	4 ¹ / ₂	S610XP08428
	8	3	2000	12 ³ / ₄	4 ¹ / ₂	S610XP08528
	10	2 ¹ / ₂	2500	14 ⁷ / ₈	4 ¹ / ₂	S610XP10428
	10	3	2500	14 ⁷ / ₈	4 ¹ / ₂	S610XP10528

Phenolic (01 Roller Bearing)*


TM 	6	2 ¹ / ₂	1600	11 ³ / ₄	4 ¹ / ₂	S610TM06401
	6	3	2000	11 ³ / ₄	4 ¹ / ₂	S610TM06501
	8	2 ¹ / ₂	2000	12 ³ / ₄	4 ¹ / ₂	S610TM08401
	8	3	2500	12 ³ / ₄	4 ¹ / ₂	S610TM08501
	10	2 ¹ / ₂	2500	14 ⁷ / ₈	4 ¹ / ₂	S610TM10401
	10	3	2900	14 ⁷ / ₈	4 ¹ / ₂	S610TM10501
	12	2 ¹ / ₂	3000	16 ⁷ / ₈	5 ⁵ / ₁₆	S610TM12401
	12	3	3000	16 ⁷ / ₈	5 ⁵ / ₁₆	S610TM12501

*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610TM10409.


+ For swivel models add "S", for rigid model add "R" to end of base caster number.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Base Caster Number +
-------------------------	----------------------	---	-------------------------	----------------------	----------------------

Trionix™ High Impact Polymer (28 Precision Ball Bearing)


NX 	6	2 ¹ / ₂	3000	11 ³ / ₄	4 ¹ / ₂	S610NX06428
	6	3	3000	11 ³ / ₄	4 ¹ / ₂	S610NX06528
	8	2 ¹ / ₂	3000	12 ³ / ₄	4 ¹ / ₂	S610NX08428
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610NX08528
	10	2 ¹ / ₂	3000	14 ⁷ / ₈	4 ¹ / ₂	S610NX10428
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610NX10528

Cast Iron (01 Roller Bearing)*

CA 	6	2 ¹ / ₂	2300	11 ³ / ₄	4 ¹ / ₂	S610CA06401
	6	3	2800	11 ³ / ₄	4 ¹ / ₂	S610CA06501
	8	2 ¹ / ₂	2300	12 ³ / ₄	4 ¹ / ₂	S610CA08401
	8	3	2800	12 ³ / ₄	4 ¹ / ₂	S610CA08501
	10	2 ¹ / ₂	2300	14 ⁷ / ₈	4 ¹ / ₂	S610CA10401
	10	3	2800	14 ⁷ / ₈	4 ¹ / ₂	S610CA10501
	12	3	2800	16 ⁷ / ₈	5 ⁵ / ₁₆	S610CA12501

*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610CA10409.

V-Groove Cast Iron (01 Roller Bearing)*


VG/VF 	6	2 ¹ / ₂	2500	11 ³ / ₄	4 ¹ / ₂	S610VG06401
	8	2 ¹ / ₂	2500	12 ³ / ₄	4 ¹ / ₂	S610VG08401
	8	3	2500	12 ³ / ₄	4 ¹ / ₂	S610VG08501
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610VG10501

V-Groove Drop Forged Steel (01 Roller Bearing)

8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610VF08501
---	---	------	--------------------------------	-------------------------------	--------------------


*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610VG10509.

Drop Forged Steel (01 Roller Bearing)*

FS 	6	2 ¹ / ₂	3000	11 ³ / ₄	4 ¹ / ₂	S610FS06401
	8	2 ¹ / ₂	3000	12 ³ / ₄	4 ¹ / ₂	S610FS08401
	8	3	3000	12 ³ / ₄	4 ¹ / ₂	S610FS08501
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610FS10501


*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610FS10509.

Ductile Iron Crowned Tread (01 Roller Bearing)*

FR 	6	2 ¹ / ₂	3000	11 ³ / ₄	4 ¹ / ₂	S610FR06401
	6	3	3000	11 ³ / ₄	4 ¹ / ₂	S610FR06501
	8	3	3000	11 ⁷ / ₈	4 ¹ / ₂	S610FR08501
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610FR10501


*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610FR08509.

Ductile Iron Flat Tread (01 Roller Bearing)*

FM 	6	2 ¹ / ₂	3000	11 ³ / ₄	4 ¹ / ₂	S610FM06401
	6	3	3000	11 ³ / ₄	4 ¹ / ₂	S610FM06501
	8	3	3000	11 ⁷ / ₈	4 ¹ / ₂	S610FM08501
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610FM10501

*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610FM08509.

Ductile Iron V-Groove Tread (01 Roller Bearing)*

VM 	6	2 ¹ / ₂	3000	11 ³ / ₄	4 ¹ / ₂	S610VM06401
	6	3	3000	11 ³ / ₄	4 ¹ / ₂	S610VM06501
	8	3	3000	11 ⁷ / ₈	4 ¹ / ₂	S610VM08501
	10	3	3000	14 ⁷ / ₈	4 ¹ / ₂	S610VM10501

*Tapered Roller (09) bearings available.
To order change "01" to "09". Example: S610VM08509.