



Premium Quality



Towing[^]



Environmentally Friendly

610

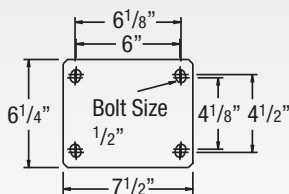
Contender™ Kingpinless Casters

CAPACITY TO 9500



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.

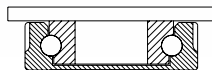
MOUNTING OPTION



TYPICAL APPLICATIONS

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

SWIVEL CROSS SECTION



FEATURES

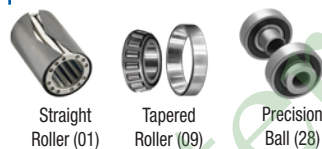
- **Top Plate:** 1/2" thick AISI 1045 steel precision machined and through-hardened for long life
- **Swivel Section:** 3/4" ball bearings mounted in a 4-3/8" precision machined raceway. Zerkl in swivel section
- **Legs:** 3/8" thick steel welded to yoke base using 100,000 psi weld filler
- **Axle:** 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

RIG OPTIONS

- Dual wheel models available, consult factory
- Shear disk mounting, consult factory
- **Optional Spring Loaded:** Greater capacity and better shock protection. Noise levels are reduced through the dampening effect of these casters. See pages 98-99.



BEARING OPTIONS



Poly Cam
specify **P**



PLB Integrated
specify **PLB**



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



Hand Operated Swivel Lock
specify **L**

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



Moldon Rubber on Cast Iron (01 Roller Bearing)*

MR/MH	Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base 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	2 1/2**	1300	10 1/2	2 1/4	610MH08401
	8	3	840	10 1/2	2 1/4	610MR08501
	10	2 1/2**	1500	12 1/2	2 3/4	610MH10501
	10	3	1000	12 1/2	2 3/4	610MR10501
	10	3**	1800	12 1/2	2 3/4	610MH10501
	10	4	1400	12 1/2	2 3/4	610MR10701
	12	2 1/2**	1700	15 1/2	3 5/8	610MH12501
	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

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

**Heavy-duty MH version of wheel.

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



Polyurethane on Aluminum (01 Roller Bearing)

PD	Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base 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	12 1/2	2 3/4	610PD10401
	10	3	3000	12 1/2	2 3/4	610PD10501

Polyurethane on Cast Iron (09 Tapered Roller Bearing)

PY	Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	6	2 1/2	1600	8 1/2	1 3/4	610PY06409
	6	3	2000	8 1/2	1 3/4	610PY06509
	8	2 1/2	2000	10 1/2	2 1/4	610PY08409
	8	3	2500	10 1/2	2 1/4	610PY08509
	8	4	3800	10 1/2	2 1/4	610PY08709
	10	3	3000	12 1/2	2 3/4	610PY10509
	10	4	4200	12 1/2	2 3/4	610PY10709
	12	3 1/2	4110	15 1/2	3 5/8	610PY12609
	12	4	4800	15 1/2	3 5/8	610PY12709
	14	4	5000	18	4 3/8	610PY14709

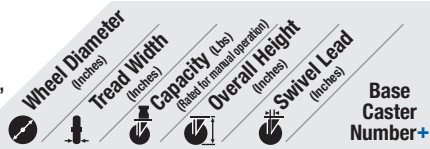
*Roller (01) bearings available. Change "09" to "01". Example: 610PY10501.



80A Durometer available, add "80A" to end of caster number. 80A capacity reduced by approximately 20%. Swivel example: 610PY06409S80A.

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



Aubin Industries Swivel-EAZ® Round Tread (28 Prec. Ball Bearing)						
EY	6	3	2137	8	27/32	610EY06528
	8	3	3250	10 1/2	2 15/16	610EY08528

Aubin Industries Swivel-EAZ® Flat Tread (28 Prec. Ball Bearing)						
EZ	6	3	2850	8	27/32	610EZ06528
	8	3	4000	10 1/2	2 15/16	610EZ08528
	10	3	4800	12 1/2	3 3/8	610EZ10528

Thick Tread Polyurethane (09 Tapered Roller Bearing)*						
PX	6	3	2250	8 1/2	1 3/4	610PX06509
	8	3	2780	10 1/2	1 3/4	610PX08509
	8	4	3850	10 1/2	2 1/4	610PX08709
	10	3	3300	12 1/2	2 3/4	610PX10509
	10	4	4620	12 1/2	2 3/4	610PX10709
12	4	5280	15 1/2	3 5/8	610PX12709	

*Roller (01) bearings available. Change "09" to "01". Example: 610PX10501.

Polyurethane on Heavy Duty Cast Iron (28 Precision Ball Bearing)*						
PF	6	2 1/2	2900	8 1/2	1 3/4	610PF06428
	8	2 1/2	3100	10 1/2	2 1/4	610PF08428
	8	3	4000	10 1/2	2 1/4	610PF08528
	10	3	4200	12 1/2	2 3/4	610PF10528

*Tapered Roller (09) bearings available. Change "01" to "09". Example: 610PF10509.

Vulkollan Thick Tread Polyurethane (09 Roller Bearing)*						
VX	6	3	3000	8 1/2	1 3/4	610VX06509
	8	3	4000	10 1/2	2 1/4	610VX08509
	10	3	5000	12 1/2	2 3/4	610VX10509

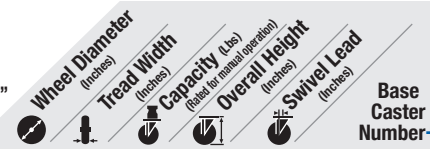
*Roller (01) bearings available. Change "09" to "01". Example: 610VX10501.

X-treme Plus Solid Polyurethane (28 Precision Ball Bearing)						
XP	8	2 1/2	2000	10 1/2	2 1/4	610XP08428
	8	3	2000	10 1/2	2 1/4	610XP08528
	10	3	2500	12 1/2	2 3/4	610XP10528

Phenolic (01 Roller Bearing)*						
TM	6	2 1/2	1600	8 1/2	1 3/4	610TM06401
	6	3	2000	8 1/2	1 3/4	610TM06501
	8	2 1/2	2000	10 1/2	2 1/4	610TM08401
	8	3	2500	10 1/2	2 1/4	610TM08501
	10	3	2900	12 1/2	2 3/4	610TM10501
	12	3 1/2	4000	15 1/2	3 5/8	610TM12601
12	4	8000	15 1/2	3 5/8	610TM12701	

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

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



Trionix (28 Precision Ball Bearing)						
NX	6	2 1/2	7200	8 1/2	1 3/4	610NX06428
	6	3	7200	8 1/2	1 3/4	610NX06528
	8	2 1/2	7200	10 1/2	2 1/4	610NX08428
	8	3	7200	10 1/2	2 1/4	610NX08528
	10	3	7200	12 1/2	2 3/4	610NX10528

Cast Iron (01 Roller Bearing)*						
CA	6	3	2800	8 1/2	1 3/4	610CA06501
	8	2 1/2	2300	10 1/2	2 1/4	610CA08401
	8	3	2800	10 1/2	2 1/4	610CA08501
	8	4	4000	10 1/2	2 1/4	610CA08701
	10	3	2800	12 1/2	2 3/4	610CA10501
	10	4	4000	12 1/2	2 3/4	610CA10701

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

V-Grooved Cast Iron (01 Roller Bearing)*						
VG	6	2 1/2	2500	8 1/2	1 3/4	610VG06401
	8	2 1/2	2500	10 1/2	2 1/4	610VG08401
	8	3	2500	10 1/2	2 1/4	610VG08501

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

Drop Forged V-Grooved Cast Iron (01 Roller Bearing)*						
VF	6	3	6000	8 1/2	1 3/4	610VF06501
	8	4	6000	10 1/2	2 1/4	610VF08701
	10	4	8350	12 1/2	2 3/4	610VF10701

*Tapered Roller (09) bearings available. Change "01" to "09". Example: 610VF10509.
Note: Capacity increases to 9500 lbs. with use of 09 bearings.

Drop Forged Steel (01 Roller Bearing)*						
FS	6	2 1/2	4000	8 1/2	1 3/4	610FS06401
	8	2 1/2	4000	10 1/2	2 1/4	610FS08401
	8	3	5400	10 1/2	2 1/4	610FS08501
	10	3	5400	12 1/2	2 3/4	610FS10501
	10	4	8350	12 1/2	2 3/4	610FS10701

*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 and 10x4 capacity increases to 9500 with use of 09 bearings.

Heavy Duty Drop Forged Steel (01 Roller Bearing)*						
FH	8	3	6000	10 1/2	2 1/4	610FH08501
	10	3	6000	12 1/2	2 3/4	610FH10501

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

Ductile Iron Crowned Tread (01 Roller Bearing)*						
FR, FM, VM	6	2 1/2	3500	8 1/2	1 3/4	610FR06401
	6	3	6000	8 1/2	1 3/4	610FR06501
	8	3	6000	10 1/2	2 1/4	610FR08501
	10	3	6000	12 1/2	2 3/4	610FR10501

*Tapered Roller (09) available. Change "01" to "09". Example: 610FR06409.
Ductile Iron Flat Tread (FM) and V-Groove (VM) models available. Change FR wheel code to FM or VM. Example: 610FM06401.