

310

Made in the USA
Contender™
Kingpinless Casters
CAPACITY TO 4100



Constructed from high quality, heat treated AISI 1045 laser-cut steel. Precision machined raceway, fully welded legs (inside and outside), and kingpinless design delivers superior strength in rugged applications.

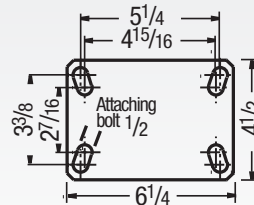
TYPICAL APPLICATIONS

- Conveyor-drawn tow-trucks
- Heavy duty bakery racks
- Production dollies
- Heavy duty dough troughs

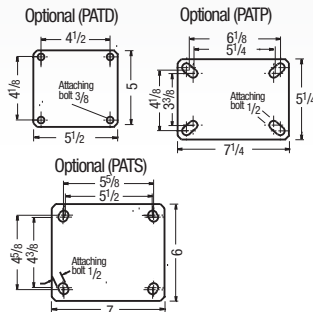
SWIVEL CROSS SECTION



MOUNTING OPTIONS Standard Plate



Special Order Plate



Premium Quality



Towing[^]



Environmentally Friendly

FEATURES

- New laser cut steel construction
- 3 Year warranty
- Top Plate: 5/16" AISI 1045 heat treated steel welded inside and out for longer life
- Swivel Section: One row of 1/2" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section
- Yoke Base: Notched AISI 1045 steel
- Legs: 3/8" thick welded inside and out
- Axle: 3/4" diameter
- Finish: RoHS Zinc plating, for greater corrosion resistance than paint
- Alternate or custom caster configurations available

RIG OPTIONS

- **Optional Towable Swivel Leads:**
 6" dia. 2-7/32"
 8" dia. 2-15/16"
 10" dia. 3-3/8"
 12" dia. 4-5/16"
 Consult factory for capacity changes. To order add **XL** to end of model. Example: 310MR06401**SXL**
- **Optional Spring Loaded:** Greater capacity and better shock protection. Noise levels are reduced through the dampening effect of these casters. See pages 94-95

BRAKE OPTIONS

To order, add brake code below to end of model. Example: 310PY08401**SP**

Poly Cam
specify **P**



PLB Integrated
specify **PLB**

Single Side specify **SSB310**
Double Sided specify **DSB310**

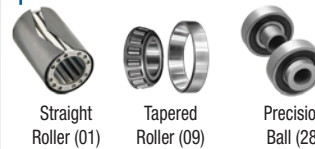


Face Contact
specify **FBB**

Hand Operated Swivel Lock
specify **L**



BEARING OPTIONS



TOE GUARD

Specify **TOE** for caster integrated toe guard. Standard model toe guards are 1/2" from the floor.

STAINLESS STEEL OPTION

See page 84



Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rate for manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Base Caster Number+
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Moldon Rubber on Cast Iron (01 Roller Bearing)*

MR/MH	6	2 1/2	700	7 1/2	1 3/8	310MR06401
	6	3	750	7 1/2	1 3/8	310MR06501
	8	2 1/2	850	10 1/8	2 1/16	310MR08401
	8	3	900	10 1/8	2 1/16	310MR08501
	10	2 1/2	950	11 1/2	2 1/4	310MR10401
	10	2 1/2**	1500	11 1/2	2 1/4	310MH10401
	10	3	1000	11 1/2	2 1/4	310MR10501
	10	3**	1800	11 1/2	2 1/4	310MH10501
	12	2 1/2	950	13 1/2	2 11/16	310MR12401
	12	2 1/2**	1700	13 1/2	2 11/16	310MH12401
	12	3	1200	13 1/2	2 11/16	310MR12501

*MR available with Tapered Roller (09) bearings. Change "01" to "09". Example: 310MR10409.

**Heavy-duty MH version of wheel.

Polyurethane on Cast Iron (01 Roller Bearing)*

PY	6	2 1/2	1600	7 1/2	1 3/8	310PY06401
	6	3	2000	7 1/2	1 3/8	310PY06501
	8	2 1/2	2000	10 1/8	2 1/16	310PY08401
	8	3	2500	10 1/8	2 1/16	310PY08501
	10	2 1/2	2300	11 1/2	2 1/4	310PY10401
	10	3	3000	11 1/2	2 1/4	310PY10501
	12	2 1/2	2700	13 1/2	2 11/16	310PY12401
	12	3	3500	13 1/2	2 11/16	310PY12501

95 Shore A

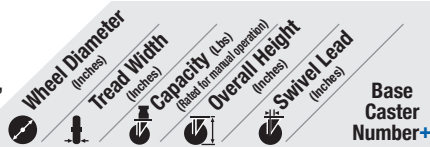
80 Shore A

*Tapered Roller (09) bearings available. Change "01" to "09". Example: 310PY10409.

80A Durometer available, add "80A" to end of caster number. 80A capacity reduced by approximately 20%. Swivel example: 310PY06401**S80A**.

Continue on next page >>

+ 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 1/8	2 1/16	310PD08401
	8	3	2520	10 1/8	2 1/16	310PD08501
	10	2 1/2	2370	11 1/2	2 1/4	310PD10401
	10	3	3000	11 1/2	2 1/4	310PD10501

Standard durometer 95 Shore A. Other durometers available.
*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310PD10409.

Thick Tread Polyurethane (01 Roller Bearing)*						
PX	Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	6	3	2250	7 1/2	1 3/8	310PX06501
	8	3	2780	10 1/8	2 1/16	310PX08501
	10	2 1/2	2600	11 1/2	2 1/4	310PX10401
	10	3	3300	11 1/2	2 1/4	310PX10501
	12	3	3760	13 1/2	2 11/16	310PX12501

Standard durometer 95 Shore A. Other durometers available.
*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310PX10409.

Aubin Industries Swivel-EAZ® Crown Tread (28 Prec. Ball Bearing)						
EY	Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	6	3	2137	7 1/2	1 3/8	310EY06528
	8	3	3250	10 1/8	2 1/16	310EY08528
	10	3	3800	11 1/2	2 1/4	310EY10528
	12	3	4000	13 1/2	2 11/16	310EY12528

Aubin Industries Swivel-EAZ® Flat Tread (28 Prec. Ball Bearing)						
EZ	Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	6	3	2850	7 1/2	1 3/8	310EZ06528
	8	3	4000	10 1/8	2 1/16	310EZ08528
	10	3	4100	11 1/2	2 1/4	310EZ10528
	12	3	4100	13 1/2	2 11/16	310EZ12528

Polyurethane on Cast Iron (01 Roller Bearing)						
PI	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	7 1/2	1 3/8	310PI06401
	6	3	2000	7 1/2	1 3/8	310PI06501
	8	2 1/2	2000	10 1/8	2 1/16	310PI08401
	8	3	2500	10 1/8	2 1/16	310PI08501
	10	2 1/2	2200	11 1/2	2 1/4	310PI10401
	10	3	2800	11 1/2	2 1/4	310PI10501
	12	2 1/2	2500	13 1/2	2 11/16	310PI12401
	12	3	3000	13 1/2	2 11/16	310PI12501

Polyurethane on Heavy Duty Cast Iron (28 Precision Ball Bearing)*						
PF	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	2900	7 1/2	1 3/8	310PF06428
	8	2 1/2	3100	10 1/8	2 1/16	310PF08428
	8	3	4000	10 1/8	2 1/16	310PF08528
	10	3	4100	11 1/2	2 1/4	310PF10528

95 Shore A
*Tapered Roller (09) bearings available. Change "28" to "09".
Example: 310PF10509.

Polyurethane Reactive on Iron (28 Precision Ball Bearing)*						
PR	Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	10	3	2400	11 1/2	2 1/4	310PR10528
	12	3	2800	13 1/2	2 11/16	310PR12528

80 Shore A
*Tapered Roller (09) bearings available. Change "28" to "09".
Example: 310PR10509.

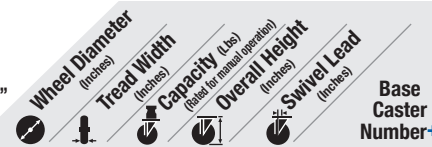
Vulkollan on Cast Iron (01 Roller Bearing)*						
VY	Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	6	2 1/2	2350	7 1/2	1 3/8	310VY06401
	6	3	3000	7 1/2	1 3/8	310VY06501
	8	2 1/2	2900	10 1/8	2 1/16	310VY08401
	8	3	4000	10 1/8	2 1/16	310VY08501
	10	3	4100	11 1/2	2 1/4	310VY10501

*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310VY10509.

Vulkollan Thick Tread Polyurethane (01 Roller Bearing)*						
VX	Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs) (rated for manual operation)	Overall Height (inches)	Swivel Lead (inches)	Base Caster Number+
	6	3	3000	7 1/2	1 3/8	310VX06501
	8	3	4000	10 1/8	2 1/16	310VX08501
	10	3	4100	11 1/2	2 1/4	310VX10501

*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310VX10509.

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



X-treme Plus Solid Polyurethane (28 Precision Ball Bearing)						
XP	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	2000	10 1/8	2 1/16	310XP08428
	8	3	2000	10 1/8	2 1/16	310XP08528
	10	2 1/2	2500	11 1/2	2 1/4	310XP10428
	10	3	2500	11 1/2	2 1/4	310XP10528

Phenolic (01 Roller Bearing)*						
TM	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	7 1/2	1 3/8	310TM06401
	6	3	2000	7 1/2	1 3/8	310TM06501
	8	2 1/2	2000	10 1/8	2 1/16	310TM08401
	8	3	2500	10 1/8	2 1/16	310TM08501
	10	2 1/2	2500	11 1/2	2 1/4	310TM10401
	10	3	2900	11 1/2	2 1/4	310TM10501
	12	2 1/2	3000	13 1/2	2 11/16	310TM12401
	12	3	3500	13 1/2	2 11/16	310TM12501

*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310TM10409.

Trionix™ High Impact Polymer (28 Precision Ball Bearing)						
NX	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	4100	7 1/2	1 3/8	310NX06428
	6	3	4100	7 1/2	1 3/8	310NX06528
	8	2 1/2	4100	10 1/8	2 1/16	310NX08428
	8	3	4100	10 1/8	2 1/16	310NX08528
	10	2 1/2	4100	11 1/2	2 1/4	310NX10428
	10	3	4100	11 1/2	2 1/4	310NX10528

Cast Iron (01 Roller Bearing)*						
CA	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	2300	7 1/2	1 3/8	310CA06401
	6	3	2800	7 1/2	1 3/8	310CA06501
	8	2 1/2	2300	10 1/8	2 1/16	310CA08401
	8	3	2800	10 1/8	2 1/16	310CA08501
	10	2 1/2	2300	11 1/2	2 1/4	310CA10401
	10	3	2800	11 1/2	2 1/4	310CA10501
	12	3	2800	13 1/2	2 11/16	310CA12501

*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310CA10409.

V-Groove Cast Iron (01 Roller Bearing)*						
VG/VF	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	2500	7 1/2	1 3/8	310VG06401
	8	2 1/2	2500	10 1/8	2 1/16	310VG08401
	8	3	2500	10 1/8	2 1/16	310VG08501
	10	3	3500	11 1/2	2 1/4	310VG10501

Drop Forged Steel (01 Roller Bearing)*						
FS	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	4000	7 1/2	1 3/8	310FS06401
	8	2 1/2	4000	10 1/8	2 1/16	310FS08401
	8	3	4100	10 1/8	2 1/16	310FS08501
	10	3	4100	11 1/2	2 1/4	310FS10501

*Tapered Roller (09) bearings available. Change "01" to "09".
Example: 310FS10509.

Ductile Iron Crowned Tread (01 Roller Bearing)*						
FR, FM, VM	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	3500	7 1/2	1 3/8	310FR06401
	6	3	4100	7 1/2	1 3/8	310FR06501
	8	3	4100	10 1/8	2 1/16	310FR08501
	10	3	4100	11 1/2	2 1/4	310FR10501

*Tapered Roller (09) bearings available.
Change "01" to other bearing code. Example: 310FR08509.
Ductile Iron Flat Tread (FM) and V-Groove (VM) models available.
Change FR wheel code to FM or VM. Example: 310FM08501.

310 SERIES • CAPACITY TO 4100

HEAVY DUTY KINGPINLESS