

DUAL WHEEL CASTERS

CAPACITY RANGE 280-30000 LBS



850 Series

When Failure is Not an Option.

Common Applications:

- Tool Carts
- Group Support Equipment
- Storage Racks
- Low Profile Carts
- Platforms
- Custom Material Handling
- Towable Transportation Equipment
- Workstations/Packaging

Cantilever Style



216 Series
Capacity to 900 101



263 Series
Capacity to 2000 102



281 Series
Capacity to 2000 103



290/295 Series
Capacity to 8000 104

Kingpinless Style



115 Series
Capacity to 2000 105



315 Series
Capacity to 4100 106



415/615 Series
Capacity to 12000 107



850 Series
Capacity to 30000 108

Standard Kingpin Style



272/281 Series
Capacity up to 12000..... 109



290-293 Series
Capacity up to 7500..... 110



295 Series
Capacity up to 17000..... 111

Aviation Ground Equipment Style



298 Series
Capacity up to 20000..... 112

What are the Advantages of Albion's Dual Wheels?

- Higher load ratings with low overall heights
- Better product stability for safer footprint
- Maintain higher load ratings with softer wheel options – providing added floor and equipment protection

216

Cantilever-Style Dual Wheel Casters

CAPACITY TO 900



Premium Quality

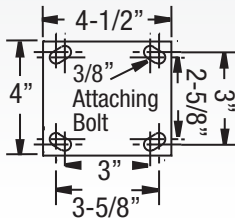


Environmentally Friendly



In most instances, these casters offer greater capacity, while maintaining the lowest possible overall height. Differential action helps to reduce scrubbing when changing directions. Because they are made from the single wheel caster rig, cantilever-style dual wheel casters can be field built.

MOUNTING OPTION



CANTILEVER KITS

Kit Number*	For Series	Axle Part Number Only
CK216000	16, 62, 71 and 72	ZJ08120004

Transform your standard 16, 62, 71 or 72 Series rig into a Dual Wheel caster with this field installable Cantilever Kit. *Kit includes the axle, nut, and spacers required to mount two wheels on a standard rig.

Field installable kits also available! See cantilever kits above.

FEATURES

- **Improved zinc plated finish** for attractive appearance, better corrosion resistance and longer caster life
- **Bigger kingpin:** New bigger, stronger 3/4" kingpin on standard top plate
- **Top Plate & Yoke Base:** Cold formed from 1/4" steel plate. Yoke base is notched for factory or field-installable 4-position swivel lock
- **Swivel Section:** Smooth formed, hardened double ball bearing raceways minimize ball indentation and wear
- **Fork Legs:** 1/4" steel, formed to increase strength and welded to yoke base
- **Axle:** 1/2" diameter hollow axle complete with lock nut with straight roller and Delrin bearings. Axle is solid with ball, plain bore, and Oilex bearings
- **Lubrication:** Zerk fitting in swivel section and in recessed head of hollow axle on straight roller and Delrin bearing wheels
- See 16 Series section for additional features
- Alternate or custom caster configurations available
- Note: 216 Series is a dual wheel 16 Series

BEARING OPTIONS



Straight Roller (01)



Pedestal Precision (29)

RIG OPTIONS

- **Swivel Lock** (welded) specify **L**
- **Foot operated field installable** swivel lock specify **SL160002**

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

Wheel Diameter (Inches)		Tread Width (Inches)	Capacity (Lbs) (Based on minimal separation)	Overall Height (Inches)	Swivel Lead (Inches)	Swivel Radius (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (01)
216 Cantilever-Style Dual Wheel									
3 1/4	1 1/2	680	4 1/4	13/4	45/8	53/4		Mold-on Rubber/Iron	216MH03101
3 1/4	1 1/2	840	4 1/4	13/4	45/8	5 1/2		Polyurethane/Iron	216PY03101
3 1/4	1 1/2	900	4 1/4	13/4	45/8	5 1/4		Phenolic	216TM03101
4	1 1/2	340	5 5/8	13/4	47/8	6 1/2		Soft Rubber	216RR04101
4	1 1/2	500	5 5/8	13/4	47/8	8		Mold-on Rubber/Iron	216MR04101
4	1 1/2	500	5 5/8	13/4	47/8	6		Mold-on Rubber/Alu.	216MD04101
4	1 1/2	800	5 5/8	13/4	47/8	5 1/2		Polypropylene	216PB04101
4	1 1/2	900	5 5/8	13/4	47/8	5 3/4		Phenolic	216TM04101
4	1 1/2	900	5 5/8	13/4	47/8	5 3/4		Polyurethane/Alum.	216PD04101
5	1 1/2	480	6 1/2	15/8	5 1/4	7 1/2		Soft Rubber	216RR05101
5	1 1/2	600	6 1/2	15/8	5 1/4	8 1/2		Mold-on Rubber/Iron	216MR05101
5	1 1/2	600	6 1/2	15/8	5 1/4	6 1/2		Mold-on Rubber/Alu.	216MD05101
5	1 1/2	900	6 1/2	15/8	5 1/4	6 1/4		Polypropylene	216PB05101
5	1 1/2	900	6 1/2	15/8	5 1/4	6 1/2		Phenolic	216TM05101
5	1 1/2	900	6 1/2	15/8	5 1/4	6 1/4		Polyurethane/Alum.	216PD05101
6	1 1/2	540	7 1/4	15/8	5 3/4	9		Soft Rubber	216RR06101
6	1 1/2	900	7 1/4	15/8	5 3/4	7		Polypropylene	216PB06101
6	1 1/2	900	7 1/4	15/8	5 3/4	7		Phenolic	216TM06101
6	1 1/2	900	7 1/4	15/8	5 3/4	12		Polyurethane/Alum.	216PY06101
8	1 1/2	720	9 1/2	15/8	5 3/4	12		Soft Rubber	216RR08101

See 16 Series section on pages 24-26 for wheel appearance and descriptions.

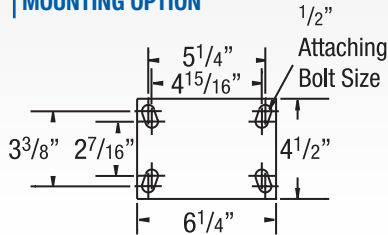
263 Cantilever-Style Dual Wheel Casters

CAPACITY TO 2000



In most instances, these casters offer greater capacity, while maintaining the lowest possible overall height. Differential action helps to reduce scrubbing when changing directions. Because they are made from the single wheel caster rig, cantilever-style dual wheel casters can be field built.

MOUNTING OPTION



CANTILEVER KITS

Kit Number*	For Series	Axle Part Number Only
CK263000	63	ZJ08120004

Transform your standard 63 Series rig into a Dual Wheel caster with this field installable Cantilever Kit. *Kit includes the axle, nut, and spacers required to mount two wheels on a standard rig.

Field installable kits also available! See cantilever kits above.



Premium Quality



Environmentally Friendly

FEATURES

- **Top Plate:** 1/4" steel plate provides the strongest possible section for swivel bearing
- **Swivel Section:** 3-1/4" diameter load race. Raceways are coined smooth and then heat treated to minimize ball indentation and wear
- **Legs:** 3/8" steel plate formed to increase strength and welded to the yoke base inside and out
- **King Bolt:** 3/4" diameter heat treated king bolt and lock nut
- **Axle:** 3/4" diameter axle is hollow with lock nut
- **Lubrication:** Zerk fitting in swivel section and in recessed head of hollow axle
- **Notched Yoke Base:** Notched to accommodate swivel lock.
- See 63 Series section for features and mounting options
- Alternate or custom caster configurations available
- Note: 263 Series is a dual wheel 63 Series

BEARING OPTIONS



Straight Roller (01)



Pedestal Precision (29)

RIG OPTIONS

- **Face Contact Brake** specify **F**
- **Swivel Lock** (welded) specify **L**

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

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rating for manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Swivel Radius (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (01)
263 Cantilever-Style Dual Wheel								
4	2	700	6	2 1/4	5 7/8	14	Mold-on Rubber/Iron	263MR04201
4	2	700	6	2 1/4	5 7/8	12	Mold-on Rubber/Alum.	263MD04201
4	2	700	6	2 1/4	5 7/8	10	X-tra Soft Rubber Flat Tread	263XS04201
4	2	1600	6	2 1/4	5 7/8	10 3/4	Phenolic	263TM04201
4	2	1600	6	2 1/4	5 7/8	10 3/4	Maxim	263NG04201
4	2	1400	6	2 1/4	5 7/8	10	Polyurethane/Alum.	263PD04201
4	2	1200	6	2 1/4	5 7/8	10	Polyurethane/Poly	263XA04201
5	2	600	6 1/2	2 1/4	6 3/4	11	White Nylon	263NW05201
5	2	750	6 1/2	2 1/4	6 3/4	13	X-tra Soft Rubber Flat Tread	263XS05201
5	2	800	6 1/2	2 1/4	6 3/4	14 1/4	Mold-on Rubber/Iron	263MR05201
5	2	800	6 1/2	2 1/4	6 3/4	13	Mold-on Rubber/Alum.	263MD05201
5	2	2000	6 1/2	2 1/4	6 3/4	12	Phenolic	263TM05201
5	2	2000	6 1/2	2 1/4	6 3/4	12	Maxim	263NG05201
5	2	2000	6 1/2	2 1/4	6 3/4	12	Polyurethane/Alum.	263PD05201
5	2	1300	6 1/2	2 1/4	6 3/4	11	Polypropylene	263PB05201
5	2	1500	6 1/2	2 1/4	6 3/4	11	Polyurethane/Poly	263XA05201
5	2	2000	6 1/2	2 1/4	6 3/4		Cast Iron (Heavy Duty)	263CH05201
5	2	2000	6 1/2	2 1/4	6 3/4	11	X-treme™ Solid Poly	263XI05201
6	2	820	7 1/2	2 1/4	6 3/4	18	Mold-on Rubber/Iron	263MR06201
6	2	820	7 1/2	2 1/4	6 3/4	14	Mold-on Rubber/ Alum.	263MD06201
6	2	900	7 1/2	2 1/4	6 3/4	11	White Nylon	263NW06201
6	2	900	7 1/2	2 1/4	6 3/4	14	X-tra Soft Round Tread	263XR06201
6	2	1200	7 1/2	2 1/4	6 3/4	14	X-tra Soft Flat Tread	263XS06201
6	2	2000	7 1/2	2 1/4	6 3/4	14	Phenolic	263TM06201
6	2	2000	7 1/2	2 1/4	6 3/4	14	Maxim	263NG06201
6	2	2000	7 1/2	2 1/4	6 3/4	13 3/4	Polyurethane/Alum.	263PD06201
6	2	1500	7 1/2	2 1/4	6 3/4	11	Polypropylene	263PB06201
6	2	1400	7 1/2	2 1/4	6 3/4	12	Polyurethane/Poly	263XA06201
6	2	2000	7 1/2	2 1/4	6 3/4	18	Cast Iron (Heavy Duty)	263CH06201
6	2	2000	7 1/2	2 1/4	6 3/4	12	X-treme™ Solid Poly	263XI06201
8	2	1000	10-1/8	2-1/4	7 1/2	21 1/2	Mold-on Rubber/Iron	263MR08201
8	2	1000	10-1/8	2-1/4	7 1/2	16	Mold-on Rubber/Alum.	263MD08201
8	2	1100	10-1/8	2-1/4	7 1/2	13	White Nylon	263NW08201
8	2	1200	10-1/8	2-1/4	7 1/2	16	X-tra Soft Round Tread	263XR08201
8	2	1350	10-1/8	2-1/4	7 1/2	16	X-tra Soft Flat Tread	263XS08201
8	2	2000	10-1/8	2-1/4	7 1/2	17	Phenolic	263TM08201
8	2	2000	10-1/8	2-1/4	7 1/2	17	Maxim	263NG08201
8	2	2000	10-1/8	2-1/4	7 1/2	14	Polyurethane/Alum.	263PD08201
8	2	2000	10-1/8	2-1/4	7 1/2	13	Polypropylene	263PB08201
8	2	2000	10-1/8	2-1/4	7 1/2		Cast Iron (Heavy Duty)	263CH08201
8	2	2000	10-1/8	2-1/4	7 1/2	14	X-treme™ Solid Poly	263XI08201

See 63 Series section on page 30 for wheel appearance and descriptions.

281

Cantilever-Style Dual Wheel Casters

CAPACITY TO 2000



Premium Quality



Environmentally Friendly

FEATURES

- **Top Plate:** Rugged AISI 1045 Drop forged steel for maximum strength
- **Swivel Section:** Double ball bearing coined "deep-groove" load and machined component thrust raceways
- **Legs:** 3/8" steel, engineered to increase strength and welded construction
- **King Bolt:** 3/4" diameter heat treated bolt and nut for enhanced load capacity
- **Axle:** 3/4" diameter, hollow, with lock nut
- **Lubrication:** Zerk fitting in swivel section and in recessed head of hollow axle
- See 81 Series section for features and mounting options
- Alternate or custom caster configurations available
- Note: 281 Series is a dual wheel 81 Series

BEARING OPTIONS



Straight Roller (05)



Precision Ball (28)

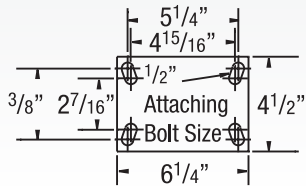
RIG OPTIONS

- **Face Contact Brake** specify **F**
- **Swivel Lock** (welded) specify **L**

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

In most instances, these casters offer greater capacity, while maintaining the lowest possible overall height. Differential action helps to reduce scrubbing when changing directions. Because they are made from the single wheel caster rig, cantilever-style dual wheel casters can be field built.

MOUNTING OPTION



CANTILEVER KITS

Kit Number*	For Series	Axle Part Number Only
CK281000	81	ZJ121610

Transform your standard 81 Series rig into a Dual Wheel caster with this field installable Cantilever Kit. *Kit includes the axle, nut, and spacers required to mount two wheels on a standard rig

Field installable kits also available! See cantilever kits above.

Transform your standard 63 Series rig into a Dual Wheel caster with this field installable Cantilever Kit. *Kit includes the axle, nut, and spacers required to mount two wheels on a standard rig.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for minimal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Swivel Radius (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (05), Precision Ball (28)
6	2-1/2	1080	7 ⁵ / ₈	1 1/2	6-5/8	28 1/2	Mold-on Rubber/Iron	281MR06405
6	2-1/2	2000	7 ⁵ / ₈	1 1/2	6-5/8	17 3/4	Phenolic	281TM06405
6	2-1/2	2000	7 ⁵ / ₈	1 1/2	6-5/8	26 3/4	Polyurethane/Iron	281PY06405
6	2-1/2	2000	7 ⁵ / ₈	1 1/2	6-5/8	26 3/4	Vulkollan/Iron	281VY06405
6	2-1/2	2000	7 ⁵ / ₈	1 1/2	6-5/8	26 3/4	Thick Tread Vulkollan/Iron	281VX06405
6	2-1/2	2000	7 ⁵ / ₈	1 1/2	6-5/8		Cast Iron	281CA06405
6	2-1/2	2000	7 ⁵ / ₈	1 1/2	6-5/8		Trinonix™	281NX06428
8	2-1/2	1700	10 1/8	2 1/4	7 7/8	29 1/4	Mold-on Rubber/Iron	281MR08405
8	2-1/2	2000	10 1/8	2 1/4	7 7/8	20 1/2	Phenolic	281TM08405
8	2-1/2	2000	10 1/8	2 1/4	7 7/8	34	Polyurethane/Iron	281PY08405
8	2-1/2	2000	10 1/8	2 1/4	7 7/8	34	Vulkollan/Iron	281VY08405
8	2-1/2	2000	10 1/8	2 1/4	7 7/8	34	Thick Tread Vulkollan/Iron	281VX08405
8	2-1/2	2000	10 1/8	2 1/4	7 7/8		Cast Iron	281CA08405
8	2-1/2	2000	10 1/8	2 1/4	7 7/8		Trinonix™	281NX08428
10	2-1/2	1580	11 1/2	2 1/2	9	35	Mold-on Rubber/Iron	281MR10405
10	2-1/2	2000	11 1/2	2 1/2	9	24 1/2	Phenolic	281TM10405
10	2-1/2	2000	11 1/2	2 1/2	9	40	Polyurethane/Iron	281PY10405
10	2-1/2	2000	11 1/2	2 1/2	9	40	Vulkollan/Iron	281VY10405
10	2-1/2	2000	11 1/2	2 1/2	9	40	Thick Tread Vulkollan/Iron	281VX10405
10	2-1/2	2000	11 1/2	2 1/2	9		Cast Iron	281CA10405
10	2-1/2	2000	11 1/2	2 1/2	9		Trinonix™	281NX10428
12	2-1/2	1800	13 1/2	3	10 1/4	42	Mold-on Rubber/Iron	281MR12405
12	2-1/2	2000	13 1/2	3	10 1/4	31 1/4	Phenolic	281TM12405
12	2-1/2	2000	13 1/2	3	10 1/4	51	Polyurethane/Iron	281PY12405
12	2-1/2	2000	13 1/2	3	10 1/4		Cast Iron	281CA12405

See 81 Series section on pages 60-61 for wheel appearance and descriptions.

290 295

Cantilever-Style Dual Wheel Casters

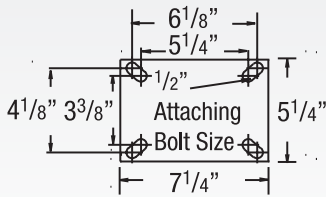
CAPACITY TO 8000

290 Polyurethane/
Iron



In most instances, these casters offer greater capacity, while maintaining the lowest possible overall height. Differential action helps to reduce scrubbing when changing directions. Because they are made from the single wheel caster rig, cantilever-style dual wheel casters can be field built.

MOUNTING OPTION



CANTILEVER KITS

Kit Number*	For Series	Axle Part Number Only
290 Kit ZJ121600	90	ZJ121600
295 Kit CK295000	95	ZJ201200

Transform your standard 90 or 95 Series rig into a Dual Wheel caster with this field installable Cantilever Kit.
*Kit includes the axle, nut, and spacers required to mount two wheels on a standard rig.

295 Phenolic



Field installable kits also available! See cantilever kits above.



Premium Quality



Environmentally Friendly

FEATURES

- 290 Series is a dual wheel version of our popular 90 Series. For full rig specifications, please see page 62.
- 295 Series is a dual wheel version of our popular 95 Series. For full rig specifications, please see page 72.

RIG OPTIONS

- **Face Contact Brake** specify **F**
- **Swivel Lock** (welded) specify **L**

BEARING OPTIONS



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

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Swivel Radius (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller (01), Precision Ball (28)
290 Cantilever-Style Dual Wheel								
8	3	1700	10 1/2	2 1/2	8 1/2	37 3/4	Mold-on Rubber/Iron	290MR08501
8	3	3500	10 1/2	2 1/2	8 1/2	28 1/4	Phenolic	290TM08501
8	3	2000	10 1/2	2 1/2	8 1/2		X-treme™ Plus Solid Poly	290XP08528
8	3	3500	10 1/2	2 1/2	8 1/2	45 1/4	Polyurethane/Iron	290PY08501
8	3	3500	10 1/2	2 1/2	8 1/2	45 1/4	Vulkollan/Iron	290VY08501
8	3	3500	10 1/2	2 1/2	8 1/2	45 1/4	Thick Tread Polyurethane/Iron	290PX08501
8	3	3500	10 1/2	2 1/2	8 1/2	45 1/4	Thick Tread Vulkollan/Iron	290VX08501
8	3	3500	10 1/2	2 1/2	8 1/2	45 1/4	Trionix™	290NX08528
10	3	2000	12 1/2	2 1/2	9 1/4	48	Mold-on Rubber/Iron	290MR10501
10	3	3500	12 1/2	2 1/2	9 1/4	34	Phenolic	290TM10501
10	3	2500	12 1/2	2 1/2	9 1/4	34	X-treme™ Plus Solid Poly	290XP10528
10	3	3500	12 1/2	2 1/2	9 1/4	51 1/2	Polyurethane/Iron	290PY10501
10	3	3500	12 1/2	2 1/2	9 1/4	51 1/2	Vulkollan/Iron	290VY10501
10	3	3500	12 1/2	2 1/2	9 1/4	51 1/2	Thick Tread Polyurethane/Iron	290PX10501
10	3	3500	12 1/2	2 1/2	9 1/4	51 1/2	Thick Tread Vulkollan/Iron	290VX10501
10	3	3500	12 1/2	2 1/2	9 1/4	51 1/2	Trionix™	290NX10528
12	3	2280	15 1/2	2 1/2	10 1/8	54	Mold-on Rubber/Iron	290MR12501
12	3	3500	15 1/2	2 1/2	10 1/8	38 1/2	Phenolic	290TM12501
12	3	3500	15 1/2	2 1/2	10 1/8	74 1/2	Polyurethane/Iron	290PY12501
12	3	3500	15 1/2	2 1/2	10 1/8	74 1/2	Thick Tread Polyurethane/Iron	290PX12501
295 Cantilever-Style Dual Wheel								
8	4	7000	11	2 1/4	10 1/4	88	Polyurethane/Iron	295PY08701
10	4	8000	13	2 1/2	11	102	Polyurethane/Iron	295PY10701
12	3 1/2	8000	15 1/2	2 1/2	11 3/4	105	Polyurethane/Iron	295PY12601
12	3 1/2	8000	15 1/2	2 1/2	12	86	Phenolic	295TM12601
12	4	8000	15 1/2	2 1/2	12	108	Polyurethane/Iron	295PY12701

See 90 Series section on pages 62-63 for wheel appearance and descriptions.

See 95 Series section on pages 72-74 for wheel appearance and descriptions.

115 Kingpinless Dual Wheel Casters

CAPACITY TO 2000

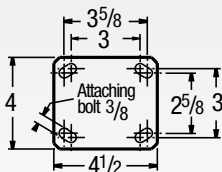


The 115 Series is a dual wheel version of our popular 110 Contender Kingpinless Series, with the addition of a third full leg for even greater durability. This remarkably durable dual wheel series provides easy turning and a sturdy footprint you can rely on.

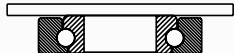
TYPICAL APPLICATIONS

- Dollies
- Dough troughs
- Platform trucks
- Tow line
- Utility carts
- Tooling fixtures
- Scrap metal carriers

MOUNTING OPTIONS Standard Plate



SWIVEL CROSS SECTION



Drive lasting results with

CG-MAX EFFICIENCY WHEEL™



WHEEL SELECTION



CG-MAX
Orange or Maroon Maximum Efficiency Wheels



PM
Polyurethane Round Tread on Aluminum Core (Green)



PD
Polyurethane on Aluminum Core



PF
Polyurethane on Heavy Duty Cast Iron Core



NX
Trionix™ High Impact Polymer



TM
Phenolic



FEATURES

- **Dual Wheel:** 115 series is similar to 110 Series Contender, but adds a wheel and a fork leg for extra strength
- **3 Year warranty**
- **Top Plate:** 5/16" AISI 1045 steel welded and heat treated for longer life
- **Yoke Base:** Notched AISI 1045 steel with extra leg for greater durability.
- **Swivel Section:** One row of 3/8" ball bearings mounted in a **heat treated** precision machined raceway. Zerk in swivel section
- **Axle:** 1/2" diameter hollow axle with zerk fitting on roller and tapered bearing models (Solid axle on precision ball models)
- **Finish:** Zinc plating
- Alternate or custom caster configurations available

BEARING OPTIONS



RIG OPTIONS

- **Optional swivel leads** of 2-1/4" for 8" casters. To order, add **X** to end of model number. Consult factory for specification support, as load capacities may reduce based on application or equipment design.



PLB Integrated Brake specify (6" & 8" diameter models only) **PLB**

Poly Cam Integrated Brake specify **P**



Add **TO** to end of Caster Number to specify integrated toe guard. Standard model toe guards are 1/2" from floor

SWIVEL LOCKS



Hand Operated Swivel Lock specify **L**

Base Swivel Caster Number In Chart For rigid models change "S" to "R" at end of base caster number.

115 Kingpinless Dual Wheel						Base Swivel Caster Number Precision Ball (28)	Base Swivel Caster Number Pedestal Precision Ball (29)
Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Wheel Type		
4	2	1600	5 3/4	1.188	CG-MAX Polyurethane (Orange)	115AN04228S	
4	2	1600	5 3/4	1.188	CG-MAX Polyurethane (Maroon)	115AX04228S	
4	2	1600	5 3/4	1.188	Phenolic		115TM04229S
4	2	1400	5 3/4	1.188	Polyurethane on Aluminum		115PD04229S
4	2	2000	5 3/4	1.188	Trionix™ High Impact Polymer	115NX04228S	
5	2	2000	6 3/4	1.5	CG-MAX Polyurethane (Orange)	115AN05228S	
5	2	2000	6 3/4	1.5	CG-MAX Polyurethane (Maroon)	115AX05228S	
5	2	2000	6 3/4	1.5	Round Polyurethane on Alum. (Green)	115PM05228S	
5	2	2000	6 3/4	1.5	Polyurethane on Aluminum		115PD05229S
5	2	2000	6 3/4	1.5	Phenolic		115TM05229S
5	2	2000	6 3/4	1.5	Trionix™ High Impact Polymer	115NX05228S	
6	2	2000	7 3/4	1.563	CG-MAX Polyurethane (Orange)	115AN06228S	
6	2	2000	7 3/4	1.563	CG-MAX Polyurethane (Maroon)	115AX06228S	
6	2	2000	7 3/4	1.563	Round Polyurethane on Alum. (Green)	115PM06228S	
6	2	2000	7 3/4	1.563	Polyurethane on Aluminum		115PD06229S
6	2	2000	7 3/4	1.563	Polyurethane on Heavy Duty Cast Iron	115PF06228S	
6	2	2000	7 3/4	1.563	Phenolic		115TM06229S
6	2	2000	7 3/4	1.563	Trionix™ High Impact Polymer	115NX06228S	
8	2	2000	10 1/8	2.250	CG-MAX Polyurethane (Orange)	115AN08228S	
8	2	2000	10 1/8	2.250	CG-MAX Polyurethane (Maroon)	115AX08228S	
8	2	2000	10 1/8	2.250	Round Polyurethane on Alum. (Green)	115PM08228S	
8	2	2000	10 1/8	2.250	Polyurethane on Aluminum		115PD08229S
8	2	2000	10 1/8	2.250	Polyurethane on Heavy Duty Cast Iron	115PF08228S	
8	2	2000	10 1/8	2.250	Phenolic		115TM08229S
8	2	2000	10 1/8	2.250	Trionix™ High Impact Polymer	115NX08228S	

See 110 Series section for wheel appearance and descriptions.

315

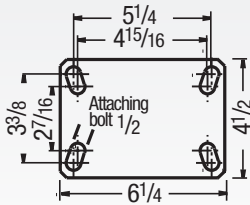
Kingpinless Dual Wheel Casters CAPACITY TO 4100

Made in the USA

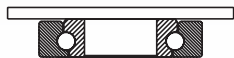


The 315 Series is a dual wheel version of our popular 310 Contender Kingpinless Series, with the addition of a third full leg for even greater durability. This remarkably durable dual wheel series provides easy turning and a sturdy footprint you can rely on.

MOUNTING OPTION



SWIVEL CROSS SECTION



Premium Quality



Environmentally Friendly



Towing^

FEATURES

- New laser-cut steel rigs and many wheels now **Made in the USA**
- **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:** 1/2" diameter axle for 6" and 8" models, 3/4" diameter axle for 10" and 12" models
- **Finish:** RoHS Zinc plating, for greater corrosion resistance than paint
- See 310 Series section for features and mounting options.
- Alternate or custom caster configurations available
- Note: 315 Series is a dual wheel 310 Series

RIG OPTIONS



PLB Integrated specify **PLB**

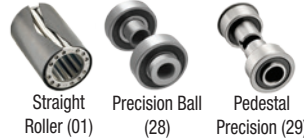


Hand Operated Swivel Lock specify **L**



Add **TOE** to end of Caster Number to specify integrated toe guard. Standard model toe guards are 1/2" from floor.

BEARING OPTIONS



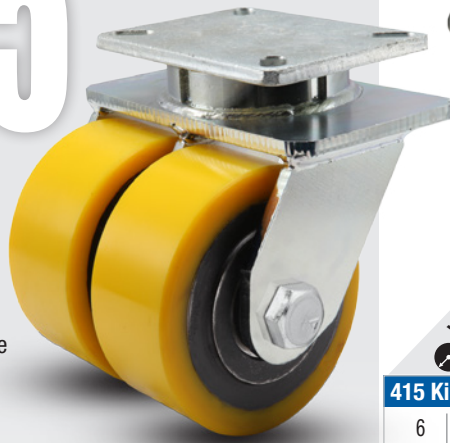
+ For swivel models add "S", for rigid model add "R" to end of base caster number.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Wheel Type	Base Caster Number+ Roller Bearing (01), Precision Ball (28)
315 Kingpinless Dual Wheel						
6	2	1200	8.00	1.56	X-tra Soft Rubber Flat Tread	315XS06201
6	2	4100	8.00	1.56	Drop Forged	315FS06201
6	2	4100	8.00	1.56	Cast Iron	315CA06201
6	2	2000	8.00	1.56	Phenolic	315TM06201
6	2	2000	8.00	1.56	Polyurethane/Aluminum	315PD06201
6	2	2000	8.00	1.56	Polyurethane/Iron	315PY06201
6	2	2000	8.00	1.56	Polyurethane Round Tread	315PM06228
6	2	2000	8.00	1.56	Cast Iron (Heavy Duty)	315CH06201
6	2	2000	8.00	1.56	Trionix™	315NX06228
8	2	1350	10.13	2.13	X-tra Soft Rubber Flat Tread	315XS08201
8	2	2000	10.13	2.13	Cast Iron	315CA08201
8	2	2000	10.13	2.13	Phenolic	315TM08201
8	2	2000	10.13	2.13	Polyurethane/Aluminum	315PD08201
8	2	2000	10.13	2.13	Polyurethane/Iron	315PY08201
8	2	2000	10.13	2.13	Polyurethane (Round Tread)	315PM08228
8	2	2000	10.13	2.13	Trionix™	315NX08228
8	2	2000	10.13	2.13	Cast Iron (Heavy Duty)	315CH08201
10	3	4100	12.00	2.25	Drop Forged	315FS10501
10	3	4100	12.00	2.25	Cast Iron	315CA10501
10	3	4100	12.00	2.25	Phenolic	315TM10501
10	3	4100	12.00	2.25	Polyurethane/Iron	315PY10501
10	3	4100	12.00	2.25	Trionix™	315NX10528
10	3	4100	12.00	2.25	Vulkollan	315VY10528
12	3	4100	14.00	2.69	Drop Forged	315FS12501
12	3	4100	14.00	2.69	Cast Iron	315CA12501
12	3	4100	14.00	2.69	Phenolic	315TM12501
12	3	4100	14.00	2.69	Polyurethane/Iron	315PY12501
12	3	4100	14.00	2.69	Polyurethane/Iron	315PX12501

415 615

Kingpinless Dual Wheel Casters CAPACITY TO 12000

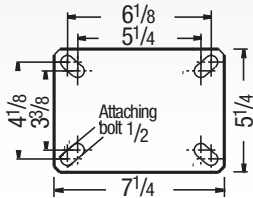
Made in the USA



415 Polyurethane on Iron (PF)

The 415 and 615 Series are dual wheel versions of our popular 410 and 610 Contender Kingpinless Series, with the addition of a third full leg for even greater durability. These remarkably durable dual wheel series provide easy turning and a sturdy footprint you can rely on.

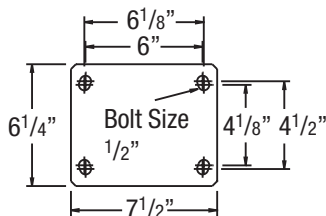
415 MOUNTING OPTION



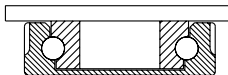
415 SWIVEL CROSS SECTION



615 MOUNTING OPTION



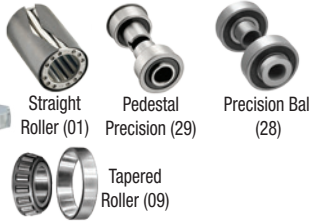
615 SWIVEL CROSS SECTION



FEATURES

- New laser-cut steel rigs and many wheels now **Made in the USA**
- See 410 (page 50) and 610 Series section (page 52) for features and mounting options

BEARING OPTIONS



RIG OPTIONS



PLB Integrated specify **PLB**

Hand Operated Swivel Lock specify **L**



Add **TOE** to end of Caster Number to specify integrated toe guard. Standard model toe guards are 1/2" from floor

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

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Wheel Type	Base Caster Number+ Roller Bearing (01), Precision Ball (28)	Base Caster Number+ Tapered Roller Bearing (09)
415 Kingpinless Dual Wheel							
6	3	4000	8	2.25	Phenolic	415TM06501	415TM06509
6	3	4080	8	2.25	Polyurethane/Iron (Green)	415PY06501	415PY06509
6	3	5400	8	2.25	Cast Iron	415CA06501	415CA06509
6	3	5400	8	2.25	Trionix™	415NX06528	
6	3	5400	8	2.25	Polyurethane/Iron (Yellow)	415PF06528	
8	3	1800	10 1/2	2.75	Mold-on Rubber/Iron	415MR08501	415MR08509
8	3	5040	10 1/2	2.75	Polyurethane/Iron (Green)	415PY08501	415PY08509
8	3	5400	10 1/2	2.75	Polyurethane/Iron (Yellow)	415PF08528	
8	3	5000	10 1/2	2.75	Phenolic	415TM08501	415TM08509
8	3	5400	10 1/2	2.75	Cast Iron	415CA08501	415CA08509
8	3	5400	10 1/2	2.75	Trionix™	415NX08528	
10	3	2000	12 1/2	3.38	Mold-on Rubber/Iron	415MR10501	415MR10509
10	3	5400	12 1/2	3.38	Polyurethane/Iron (Green)	415PY10501	415PY10509
10	3	5400	12 1/2	3.38	Polyurethane/Iron (Yellow)	415PF10528	
10	3	5400	12 1/2	3.38	Phenolic	415TM10501	415TM10509
10	3	5400	12 1/2	3.38	Cast Iron	415CA10501	415CA10509
10	3	5400	12 1/2	3.38	Trionix™	415NX10528	
12	3	5400	15 1/2	4.13	Polyurethane/Iron (Green)	415PY12501	415PY12506
12	3	5400	15 1/2	4.13	Polyurethane/Iron (Yellow)	415PF12528	
12	3	5400	15 1/2	4.13	Phenolic	415TM12501	415TM12509
12	3	5400	15 1/2	4.13	Cast Iron	415CA12501	415CA12509

See 410 Series section on pages 50-51 for wheel appearance and descriptions.

615 Kingpinless Dual Wheel

6	3	7200	8 1/2	2 1/2	Trionix™	615NX06528	
6	3	7600	8 1/2	2 1/2	Polyurethane/Iron (Yellow)	615PF06528	
6	3	10000	8 1/2	2 1/2	Drop Forged	615FS06501	615FS06509
8	3	10000	10 1/2	2 1/2	Laminated Phenolic		615TL08509
8	3	5040	10 1/2	2 1/2	Polyurethane/Iron	615PH08501	615PY08509
8	3	7200	10 1/2	2 1/2	Trionix™	615NX08528	
8	3	8000	10 1/2	2 1/2	Polyurethane/Iron (Yellow)	61PF08528	
8	3	5040	10 1/2	2 1/2	Polyurethane/Iron	615PH08501	615PY08509
8	4	7000	10 1/2	2 1/2	Polyurethane/Iron	615PY08701	615PY08709
10	3	10000	12 1/2	2 1/2	Laminated Phenolic		615TL10509
10	3	6000	12 1/2	2 1/2	Polyurethane/Iron	615PH10501	615PY10509
10	3	7200	12 1/2	2 1/2	Trionix™	615NX10528	
10	3	8400	12 1/2	2 1/2	Polyurethane/Iron (Yellow)	615PF10528	
10	3	10000	12 1/2	2 1/2	Drop Forged	615FH10501	615FH10509
10	4	10000	12 1/2	2 1/2	Drop Forged		615FH10709
10	4	8400	12 1/2	2 3/4	Polyurethane/Iron	615PY10701	615PY10709
10	5	10000	12 1/2	2 3/4	Polyurethane/Iron	615PY10801	615PY10809
12	3	6840	15 1/2	2 1/2	Polyurethane/Iron	615PH12501	615PY12509
12	3-1/2	10000	15 1/2	2 1/2	Ductile Iron	615FM12601	615FM12609
12	3-1/2	10000	15 1/2	2 1/2	Laminated Phenolic	615TL12601	615TL12609
12	3-1/2	8220	15 1/2	2 1/2	Polyurethane/Iron	615PY12601	615PY12609
12	3-1/2	8000	15 1/2	2 1/2	Phenolic	615TM12601	615TM12609
12	4	9600	15 1/2	2 1/2	Polyurethane/Iron	615PY12701	615PY12709
12	5	12000	15 1/2	2 1/2	Polyurethane/Iron		615PY12809

See 610 Series section on pages 52-53 for wheel appearance and descriptions.

^Towing: Consult factory prior to ordering to ensure selection supports your towing requirement

850

Shockmaster Kingpinless Dual Wheel Casters

CAPACITY TO 30000



Premium Quality



Environmentally Friendly



Towing^

FEATURES

- **Top Plate:** 3/4" thick AISI 1045 steel one-piece forging precision machined and through-hardened for long life
- **Yoke Base:** AISI 1045 steel forging welded using 100,000 psi weld filler to 3/4" thick adapter plate
- **Swivel Section:** 7/8" ball bearings mounted in a 7" diameter precision machined raceway. Zerk in swivel section
- **Legs:** 3/4" thick through-hardened steel welded to yoke base using 100,000 psi weld filler
- **Axle:** 1-1/4" diameter
- Alternate or custom caster configurations available

RIG OPTIONS

- Notched yoke base for swivel locks specify **NY850**
- Spring-loaded models available, consult factory. Single models available also

BRAKE OPTIONS

Face Contact specify **F**



Hand Operated Detachable Swivel Lock specify **L**



Hand Operated Swivel Lock specify **SL8000000**

BEARING OPTIONS



Straight Roller (01)



Tapered Roller (09)

This dual wheel caster has been designed with features tailored to meet the varied needs of the aviation ground support equipment industry. 850 Series are equally at home in many other extremely abusive and rugged applications.

TYPICAL APPLICATIONS

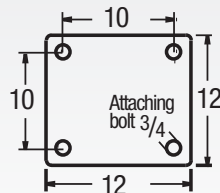
- Custom applications
- Towable transportation equipment
- Aircraft wing jacks and dollies
- Aircraft assembly fixtures
- Aircraft work platform stands

SWIVEL CROSS SECTION

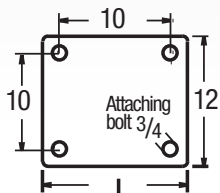


MOUNTING OPTION

Swivel Top Plate



Rigid Top Plate



- 10" for 3" Wide Wheels
- 15-3/8" for 4 to 5" Wide Wheels
- 17-1/4" for 6" Wide Wheels
- 23-1/4" for 9" Wide Wheels

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

WHEN FAILURE IS NOT AN OPTION...

The preferred caster for the aviation and group support industry – able to handle your most abusive application!

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Wheel Type	Base Caster Number+ Roller Bearing (01), Tapered Roller Bearing (09)
850 Shockmaster Kingpinless Dual Wheel						
6	3	30000	11	3 1/4	HD Drop Forged	850FH06509
10	4	30000	14 3/4	3 1/4	HD Drop Forged	850FH10709
12	4	3200	15 3/4	3 1/4	Moldon Rubber/Iron Core	850MR12701
12	4	9600	15 3/4	3 1/4	Polyurethane/Iron Core	850PY12701
12	4	9600	15 3/4	3 1/4	Thick Tread Polyurethane	850PX12701
12	4 1/2	6600	15 3/4	3 1/4	Press-on Polyurethane	850OG12709
12	5	12000	15 3/4	3 1/4	Thick Tread Polyurethane	850PX12801
12	6	15000	15 3/4	3 1/4	Polyurethane/Aluminum	850PA12909
16	4	4000	19 3/4	4 1/2	Moldon Rubber/Iron Core	850MR16701
16	4	11940	19 3/4	4 1/2	Polyurethane/Iron Core	850PY16701
16	4	11940	19 3/4	4 1/2	Thick Tread Polyurethane	850PX16701
16	5	5140	19 3/4	4 1/2	Moldon Rubber/Iron Core	850MR16801
16	5	15400	19 3/4	4 1/2	Polyurethane/Iron Core	850PY16801
16	5	15400	19 3/4	4 1/2	Thick Tread Polyurethane	850PX16801
18	5	5600	22	5 1/4	Moldon Rubber/Iron Core	850MR18801
18	5	16800	22	5 1/4	Polyurethane/Iron Core	850PY18801
18	5	10340	22	4 1/2	Press-on Polyurethane	850OG18809
18	9	20000	22	4 1/2	Press-on Polyurethane	850OG18909

272 281

Standard Kingpin Dual Wheel Casters

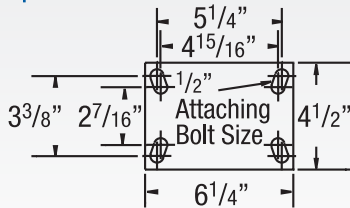
CAPACITY TO 2000



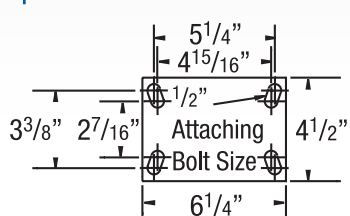
272 Cast Iron

Designed for greater capacity and better distribution of floor load with lowest possible overall height. These casters have differential action when changing direction, thus greatly reducing the scrubbing effect resulting from use of wide faced, small diameter wheels.

272 MOUNTING OPTION



281 MOUNTING OPTION



FEATURES

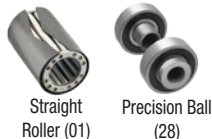
- See 72 and 81 Series section for features and mounting options.

(Note 272 Series is a dual wheel 72 Series, 281 is dual wheel 81 series)



281 Drop Forged Steel

BEARING OPTIONS



Straight Roller (01)

Precision Ball (28)



Premium Quality



Environmentally Friendly

+ 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 normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (01), Precision Ball (28)
272 Standard Kingpin Dual Wheel							
3 1/4	1 1/2	680	5 1/4	1 7/16	9	Mold-on Rubber/Iron	272MH03101
3 1/4	1 1/2	800	5 1/4	1 7/16	8 1/2	Cast Iron	272CA03101
3 1/4	1 5/8	840	5 1/4	1 7/16	8 1/2	Polyurethane/Iron	272PY03101
3 1/4	1 1/2	1200	5 1/4	1 7/16	8 1/2	Phenolic	272TM03101
4	1 1/2	500	5 5/8	1 7/16	9 1/4	Mold-on Rubber/Iron	272MR04101
4	1 1/2	500	5 5/8	1 7/16	9 1/2	Mold-on Rubber/Alum.	272MD04101
4	1 1/2	1200	5 5/8	1 7/16	11 1/2	Cast Iron	272CA04101
4	1 1/2	1200	5 5/8	1 7/16	9	Phenolic	272TM04101
4	1 1/2	1200	5 5/8	1 7/16	9	Polyurethane/Alum.	272PD04101
5	1 1/2	600	6 1/2	1 13/16	10	Mold-on Rubber/Iron	272MR05101
5	1 1/2	600	6 1/2	1 13/16	9 1/2	Mold-on Rubber/Alum.	272MD05101
5	1 1/2	1200	6 1/2	1 13/16	10	Phenolic	272TM05101
5	1 1/2	1200	6 1/2	1 13/16	13 1/4	Cast Iron	272CA05101
5	1 1/2	1440	6 1/2	1 13/16	9 3/4	Polyurethane/Alum.	272PD05101

See 72 Series section on page 33-34 for wheel appearance and descriptions.

281 Standard Kingpin Dual Wheel

4	1 1/2	2000	5 1/2	2 1/4	14	Drop Forged	281FS04101
4	2	700	5 1/2	2 1/4	10 1/2	Mold-on Rubber/Alum.	281MD04201
4	2	700	5 1/2	2 1/4	10 3/4	Mold-on Rubber/Iron	281MR04201
4	2	700	5 1/2	2 1/4	10 3/4	X-tra Soft Flat Tread	281XS04201
4	2	1200	5 1/2	2 1/4	10 1/2	Poly/Polypropylene	281XA04201
4	2	1400	5 1/2	2 1/4	14	Cast Iron	281CA04201
4	2	1600	5 1/2	2 1/4	10 1/4	Phenolic	281TM04201
4	2	1600	5 1/2	2 1/4	10 1/4	Maxim®	281NG04201
4	2	1400	5 1/2	2 1/4	10 1/2	Polyurethane/Alum.	281PD04201
4	2	2000	5 1/2	2 1/4		Trionix™	281NX04228
5	1 3/4	2000	6 1/2	2 1/4	16 1/4	Drop Forged	281FS05201
5	2	750	6 1/2	2 1/4	11 1/2	X-tra Soft Flat Tread	281XS05201
5	2	800	6 1/2	2 1/4	11 1/2	Mold-on Rubber/Iron	281MR05201
5	2	1500	6 1/2	2 1/4	9 1/2	Poly/Polypropylene	281XA05201
5	2	2000	6 1/2	2 1/4	18	Cast Iron	281CA05201
5	2	2000	6 1/2	2 1/4	11 1/4	Phenolic	281TM05201
5	2	2000	6 1/2	2 1/4	11 1/4	Maxim®	281NG05201
5	2	2000	6 1/2	2 1/4		Polyurethane/Iron	281PI05201
5	2	2000	6 1/2	2 1/4	10 3/4	Polyurethane/Alum.	281PD05201
5	2	2000	6 1/2	2 1/4	10 3/4	Round Tread Polyurethane/Alum.	281PM05228
5	2	2000	6 1/2	2 1/4	20	Cast Iron (Heavy Duty)	281CH05201
5	2	2000	6 1/2	2 1/4		Trionix™	281NX05228
6	2	820	7 1/2	2 1/4	12 3/4	Mold-on Rubber/Iron	281MR06201
6	2	1200	7 1/2	2 1/4	10	X-tra Soft Rubber Flat Tread	281XS06201
6	2	1800	7 1/2	2 1/4	10	Poly/Polypropylene	281XA06201
6	2	2000	7 1/2	2 1/4	20	Drop Forged	281FS06201
6	2	2000	7 1/2	2 1/4	20 1/4	Cast Iron	281CA06201
6	2	2000	7 1/2	2 1/4	11 3/4	Phenolic	281TM06201
6	2	2000	7 1/2	2 1/4	11 3/4	Maxim®	281NG06201
6	2	2000	7 1/2	2 1/4	13	Polyurethane/Alum.	281PD06201
6	2	2000	7 1/2	2 1/4		Polyurethane/Iron	281PI06201
6	2	2000	7 1/2	2 1/4	20	Polyurethane Round Tread	281PM06228
6	2	2000	7 1/2	2 1/4	21	Cast Iron (Heavy Duty)	281CH06201
6	2	2000	7 1/2	2 1/4		Trionix™	281NX06228
8	2	1000	10 1/8	2 1/4	13 3/4	Mold-on Rubber/Iron	281MR08201
8	2	1350	10 1/8	2 1/4	10 1/2	X-tra Soft Rubber Flat Tread	281XS08201
8	2	2000	10 1/8	2 1/4	14 1/4	Cast Iron	281CA08201
8	2	2000	10 1/8	2 1/4	16	Phenolic	281TM08201
8	2	2000	10 1/8	2 1/4	16	Maxim®	281NG08201
8	2	2000	10 1/8	2 1/4	25 1/4	Polyurethane/Alum.	281PD08201
8	2	2000	10 1/8	2 1/4		Polyurethane/Iron	281PI08201
8	2	2000	10 1/8	2 1/4	14	Polyurethane (Round Tread)	281PM08228
8	2	2000	10 1/8	2 1/4	10 1/4	Poly/Polypropylene	281XA08201
8	2	2000	10-1/8	2-1/4	15	Cast Iron (Heavy Duty)	281CH08201
8	2	2000	10-1/8	2-1/4	16	Trionix™	281NX08228

See 81 Series section on pages 60-61 for wheel appearance and descriptions.

272/281 KINGPIN • CAPACITY TO 2000

DUAL WHEEL CASTERS

290 292 293

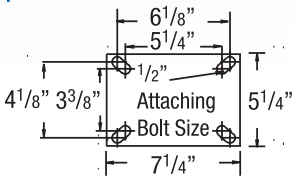
Standard Kingpin Dual Wheel Casters

CAPACITY TO 7500

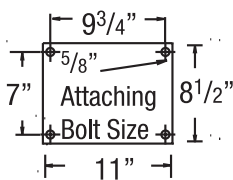


These series are designed for greater capacity and better distribution of floor load with lowest possible overall height. These casters have differential action when changing direction, thus greatly reducing the scrubbing effect resulting from use of wide faced, small diameter wheels.

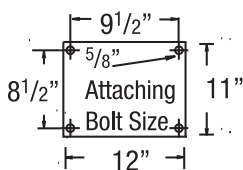
290 MOUNTING OPTION



292 MOUNTING OPTION



293 MOUNTING OPTION



FEATURES

- See 90 (page 62), 92 (page 64) and 93 (page 66) Series section for features and mounting options.

BEARING OPTIONS



Premium Quality



Environmentally Friendly

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

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (01), (05), Precision (28)	Base Caster Number+ Tapered Roller Bearing (09)
290 Standard Kingpin Dual Wheel								
6	2 1/2	1080	8	2 1/4	36 1/2	Mold-on Rubber/Iron	290MR06405	
6	2 1/2	3200	8	2 1/4	26 1/4	Phenolic	290TM06405	
6	2 1/2	3240	8	2 1/4	38	Polyurethane/Iron	290PY06405	
6	2 1/2	3500	8	2 1/4	37	Cast Iron	290CA06405	
6	2 1/2	3500	8	2 1/4		Trionix™	290NX06428	
8	2 1/2	1340	10 1/2	2 1/2	37 3/4	Mold-on Rubber/Iron	290MR08405	
8	2 1/2	3500	10 1/2	2 1/2	30 1/4	Polyurethane/Iron	290PY08405	
8	2 1/2	3500	10 1/2	2 1/2	42 3/4	Phenolic	290TM08405	
8	2 1/2	3500	10 1/2	2 1/2	44 1/2	Cast Iron	290CA08405	
8	2 1/2	3500	10 1/2	2 1/2		Trionix™	290NX08428	
10	2 1/2	1580	12 1/2	2 1/2	45	Mold-on Rubber/Iron	290MR10405	
10	2 1/2	3500	12 1/2	2 1/2	52 1/4	Polyurethane/Iron	290PY10405	
10	2 1/2	3500	12 1/2	2 1/2	34 1/2	Phenolic	290TM10405	
10	2 1/2	3500	12 1/2	2 1/2	53 1/4	Cast Iron	290CA10405	
10	2 1/2	3500	12 1/2	2 1/2		Trionix™	290NX10428	
12	2 1/2	1800	14	2 1/2	43	Mold-on Rubber/Iron	290MR12405	
12	2 1/2	3500	14	2 1/2	64 1/2	Polyurethane/Iron	290PY12405	
12	2 1/2	3500	14	2 1/2	61	Phenolic	290TM12405	
12	2 1/2	3500	14	2 1/2	51 3/4	Cast Iron	290CA12405	

292 Standard Kingpin Dual Wheel								
8	3	1680	11	3	62 1/2	Mold-on Rubber/Iron	292MR08501	292MR08509
8	3	2000	11	3		X-treme™ Plus Solid Poly	292XP08528	
8	3	4800	11	3	76	Drop Forged	292FS08501	292FS08509
8	3	4800	11	3	71	Polyurethane/Iron	292PY08501	292PY08509
8	3	4800	11	3	54	Phenolic	292TM08501	292TM08509
8	3	4800	11	3	62 3/4	Cast Iron	292CA08501	292CA08509
8	3	4800	11	3		Trionix™	292NX08528	
10	3	2000	12 7/8	3	67 3/4	Mold-on Rubber/Iron	292MR10501	292MR10509
10	3	4800	12 7/8	3	94 3/4	Drop Forged	292FS10501	292FS10509
10	3	4800	12 7/8	3	79 1/2	Polyurethane/Iron	292PY10501	292PY10509
10	3	4800	12 7/8	3	59	Phenolic	292TM10501	292TM10509
10	3	2500	12 7/8	3		X-treme™ Plus Solid Poly	292XP10528	
10	3	4800	12 7/8	3	73	Cast Iron	292CA10501	292CA10509
10	3	4800	12 7/8	3		Trionix™	292NX10528	
12	3	2280	14 7/8	3	78 1/2	Mold-on Rubber/Iron	292MR12501	292MR12509
12	3	4800	14 7/8	3	96	Polyurethane/Iron	292PY12501	292PY12509
12	3	4800	14 7/8	3	65 3/4	Phenolic	292TM12501	292TM12509
12	3	4800	14 7/8	3	84 1/4	Cast Iron	292CA12501	292CA12509

293 Standard Kingpin Dual Wheel								
10	4	2800	12 3/4	4	118 3/4	Mold-on Rubber/Iron	293MR10701	293MR10709
10	4	7500	12 3/4	4	126 1/2	Polyurethane/Iron	293PY10701	293PY10709
12	3-1/2	7500	15 3/4	4	150 1/2	Ductile Iron	293FM12601	293FM12609
12	3-1/2	7500	15 3/4	4	130 1/2	Polyurethane/Iron	293PY12601	293PY12609
12	3-1/2	7500	15 3/4	4	140 1/2	Cast Iron	293CA12601	293CA12609
12	4	3200	15 3/4	4	128 1/2	Mold-on Rubber/Iron	293MR12701	293MR12709
16	4	3980	19	4	170 1/2	Mold-on Rubber/Iron	293MR16701	
16	4	7500	19	4	209	Polyurethane/Iron	293PY16701	293PY16709
16	4	7500	19	4	145 1/2	Phenolic	293TM16701	
16	5	5140	19	4	196 1/2	Mold-on Rubber/Iron	293MR16801	
16	5	7500	19	4	237 1/2	Polyurethane/Iron	293PY16801	293PY16809
18	5	5600	21	4	244 1/4	Mold-on Rubber/Iron	293MR18801	

295 Standard Kingpin Dual Wheel Casters

CAPACITY TO 17000



Premium Quality



Environmentally Friendly

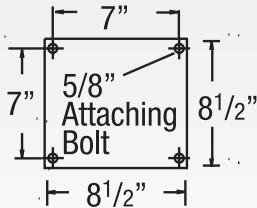
FEATURES

- **Top Plate and Yoke Base:** 5/8" thick AISI 1045 drop-forged steel for extended life
- **Swivel Load Bearings:** 7" diameter machined for smooth swivel and extended wear
- **Component Thrust Bearing:** 1-1/4" tapered roller bearing
- **Legs:** 1/2" formed steel plate welded inside and out to yoke base
- **King Bolt:** Integrally forged with top plate
- **Axle:** 1-1/4" solid axle with locking nut
- See additional details of 95 BBL on page 72
- See additional details of 95 TRL on page 73
- Alternate or custom caster configurations available

+ Swivel Caster Numbers shown; for rigid change SBBL to R in Caster Number.

295 Series is designed for greater capacity and better distribution of floor load with lowest possible overall height. These casters have differential action when changing direction, thus greatly reducing the scrubbing effect resulting from use of wide faced, small diameter wheels.

MOUNTING OPTION



BEARING OPTIONS



Straight Roller (01)

Tapered Roller (09)

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (01)	Base Caster Number+ Tapered Roller Bearing (09)
295BBL Series (Ball Load Swivel Section)								
6	3	8000	9	2 1/4	83	Drop Forged	295FS06501SBBL	295FS06509SBBL
8	3	5000	11	2 1/2	56	Laminated Phenolic		295TL08509SBBL
8	3	5040	11	2 1/2	78	Polyurethane/Iron	295PH08501SBBL	295PY08509SBBL
8	4	7000	11	2 1/2	91	Polyurethane/Iron	295PY08701SBBL	295PY08709SBBL
10	3	5800	13	2 1/2	64	Laminated Phenolic		295TL10509SBBL
10	3	6000	13	2 1/2	87	Polyurethane/Iron	295PH10501SBBL	295PY10509SBBL
10	3	8000	13	2 1/2	120	Drop Forged	295FH10501SBBL	295FH10509SBBL
10	4	8000	13	2 1/2	136	Drop Forged		295FH10709SBBL
10	4	8000	13	2 3/4	104	Polyurethane/Iron	295PY10701SBBL	295PY10709SBBL
10	5	8000	13	2 3/4	127	Polyurethane/Iron	295PY10801SBBL	295PY10809SBBL
12	3	6840	15 1/2	2 1/2	105	Polyurethane/Iron	295PH12501SBBL	295PY12509SBBL
12	3-1/2	8000	15 1/2	2 1/2	128	Ductile Iron	295FM12601SBBL	295FM12609SBBL
12	3-1/2	8000	15 1/2	2 1/2	94	Laminated Phenolic	295TL12601SBBL	295TL12609SBBL
12	3-1/2	8000	15 1/2	2 1/2	108	Polyurethane/Iron	295PY12601SBBL	295PY12609SBBL
12	3-1/2	8000	15 1/2	2 1/2	94	Phenolic	295TM12601SBBL	295TM12609SBBL
12	4	8000	15 1/2	2 1/2	114	Polyurethane/Iron	295PY12701SBBL	295PY12709SBBL
12	5	8000	15 1/2	2 1/2	141	Polyurethane/Iron		295PY12809SBBL

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Wheel Type	Base Caster Number+ Roller Bearing (01)	Base Caster Number+ Tapered Roller Bearing (09)
295TRL Series (Precision Tapered Roller Bearing Swivel Section)								
6	3	17000	9	2 1/4	83	Drop Forged	295FS06501STRL	295FS06509STRL
8	3	5000	11	2 1/2	56	Laminated Phenolic		295TL08509STRL
8	3	5040	11	2 1/2	78	Polyurethane/Iron	295PY08501STRL	295PY08509STRL
8	4	7000	11	2 1/2	91	Polyurethane/Iron	295PY08701STRL	295PY08709STRL
10	3	5800	13	2 1/2	64	Laminated Phenolic		295TL10509STRL
10	3	6000	13	2 1/2	87	Polyurethane/Iron	295PH10501STRL	295PY10509STRL
10	3	17000	13	2 1/2	120	Drop Forged	295FH10501STRL	295FH10509STRL
10	4	8400	13	2 3/4	10	Polyurethane/Iron	295PY10701STRL	295PY10709STRL
10	4	17000	13	2 1/2	136	Drop Forged		295FH10709STRL
10	5	10000	13	2 3/4	127	Polyurethane/Iron	295PY10801STRL	295PY10809STRL
12	3	6840	15-1/2	2 1/2	105	Polyurethane/Iron	295PH12501STRL	295PY12509STRL
12	3-1/2	12000	15-1/2	2 1/2	128	Ductile Iron	295FM12601STRL	295FM12609STRL
12	3-1/2	8000	15-1/2	2 1/2	94	Laminated Phenolic	295TL12601STRL	295TL12609STRL
12	3-1/2	8000	15-1/2	2 1/2	94	Phenolic	295TM12601STRL	295TM12609STRL
12	3-1/2	8220	15-1/2	2 1/2	108	Polyurethane/Iron	295PY12601STRL	295PY12609STRL
12	4	9600	15-1/2	2 1/2	114	Polyurethane/Iron	295PY12701STRL	295PY12709STRL
12	5	12000	15-1/2	2 1/2	141	Polyurethane/Iron		295PY12809STRL

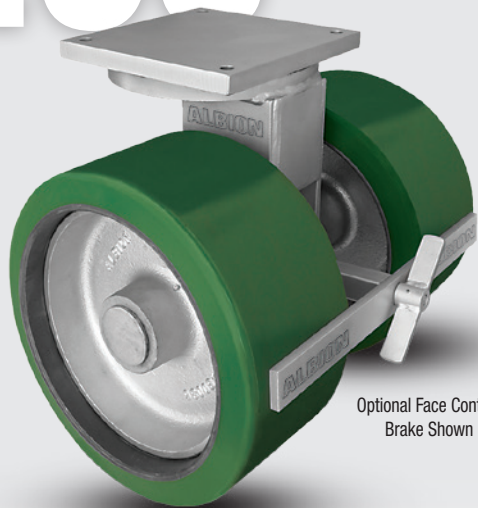
295 KINGPIN • CAPACITY TO 17000

DUAL WHEEL CASTERS

298

Aviation Ground Equipment Casters

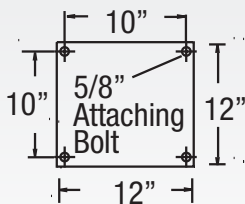
CAPACITY TO 20000



Optional Face Contact Brake Shown

Designed to meet the varied needs of the aviation ground support equipment industry, the 298 series sets the standards. Constructed with an oscillating, compensating wheel axle and cushion suspension leveling, these casters can stand up to even the most rigorous conditions. All optional features can be installed at the factory without an increase to order lead time. A spring assembly can be retrofitted at a later date; please consult factory. The swivel lock and face contact brake are field installable.

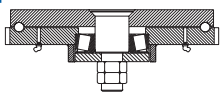
MOUNTING OPTION



TYPICAL APPLICATIONS

- Aviation work stands
- Hangar doors
- Fuel cell transport

SWIVEL CROSS SECTION



Premium Quality



Environmentally Friendly



Towing^

FEATURES

- **Top Plate and Yoke Base:** 1" thick 1045 AISI heat treated steel plate for superior strength
- **Swivel Raceways:** 11" diameter precision machined load raceway with 5/8" steel and tapered roller thrust bearing for easy swiveling
- **King Bolt:** 2" diameter bolt and nut heat treated for added strength
- **Legs:** 1/2" thick steel plate welded to form a box section column for maximum load capacity
- **Lubrication:** Zerk fittings in swivel section and wheel hub for ease of lubrication
- **Axle:** 2/1/2" oscillating axle precision machined at each end to accommodate 2" tapered bearings in wheel
- Alternate or custom caster configurations available

RIG OPTIONS

- **No Options** specify 001
- **Swivel lock** specify 002
- **Face contact brake** specify 003
- **Spring assembly** specify 004
- **Swivel lock and face contact brake** specify 005
- **Swivel lock and spring assembly** specify 006
- **Face contact brake and spring assembly** specify 007
- **Swivel lock, face contact brake and spring assembly** specify 008

BEARING OPTIONS



Tapered Roller (09)

WHEN FAILURE IS NOT AN OPTION...

The preferred caster for the aviation and group support industry – able to handle your most abusive application!

	Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (LBS)	Caster Number
Press-on Rubber (09 Tapered Roller Bearing)							
OA	12	4 1/2	4200	19	3 1/8	280	2980A12709S
	16 1/4	6	7800	21 5/16	3 1/8	320	2980A16909S
	18	9	13000	22	3 1/8	460	2980A18909S



	Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (LBS)	Caster Number
Press-on Polyurethane (09 Tapered Roller Bearing)							
OG	12	4 1/2	6600	19	3 1/8	300	2980G12709S
	16 1/4	6	12000	21 5/16	3 1/8	340	2980G16909S
	18	9	20000	22	3 1/8	480	2980G18909S

