

81

Heavy Duty Casters

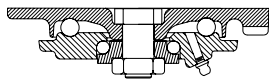


The 81 series is drop forged and recommended for the heaviest manually moved loads or for medium duty power drawn equipment. Consult factory for all power drawn applications.

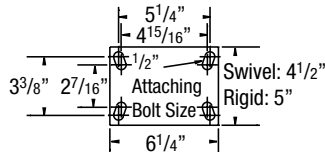
TYPICAL APPLICATIONS

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

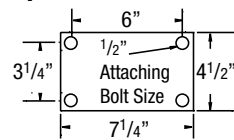
Swivel Cross Section



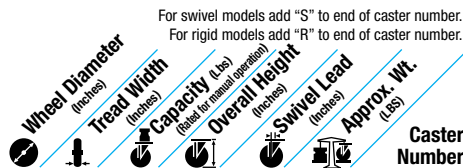
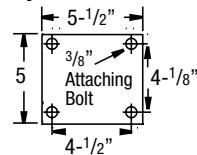
MOUNTING PLATE Standard Plate



Optional W Plate



Optional D Plate



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	700	7 5/8	3	20 1/2	81MR06401
6	3	750	7 5/8	3	21 3/4	81MR06501
8	2 1/2	850	10 1/8	3	20 1/4	81MR08401
8	3	900	10 1/8	3	22 1/4	81MR08501
10	2 1/2	950	11 1/2	3 1/2	24 1/2	81MR10401
10	3	1000	11 1/2	3 1/2	25 1/4	81MR10501
12	3	1200	13 1/2	3	30 3/4	81MR12501

X-tra Soft Round Tread (01 Roller Bearing)*

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
10	2 1/2	850	11 1/2	3 1/2	14 1/2	81XR10401

Prevenz™ antimicrobial models available. Add PREV to end of model.
*Precision Ball (28) bearings available. Change "01" to other bearing code. Precision example: 81XS10428

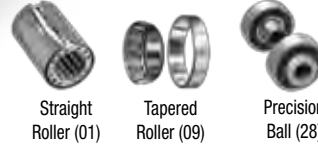
Polyurethane on Aluminum (01 Roller Bearing)

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
4	3 1/4	1200	5 1/2	2	15	81PA04501

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
- Alternate or custom caster configurations available

BEARING OPTIONS



RIG OPTIONS

- Neoprene **Sealed swivel** section specify **NS81**

BRAKE OPTIONS

Poly Cam
specify **P**



Single Side specify **SSB81**. **Double Sided** specify **DSB81**

Face Contact
specify **F**



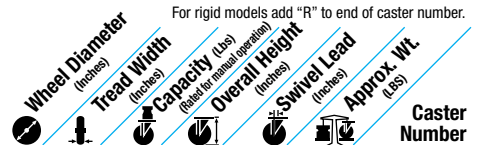
Wrap Around
specify **WB81**

New! Face Brake
specify **FBB**

Welded Swivel Lock
specify **L**

Hand Operated Detachable Swivel Lock
specify **SL810000**
(Yokes must be notched)

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



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	2000	10 1/8	3	20 1/4	81PD08401
8	3	2000	10 1/8	3	20 1/4	81PD08501
10	2 1/2	2000	11 1/2	3 1/2	24 1/2	81PD10401
10	3	2000	11 1/2	3 1/2	24 1/2	81PD10501

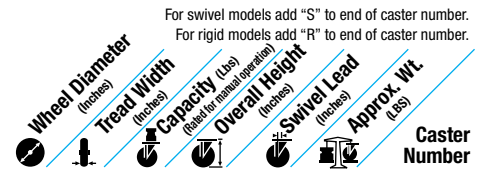
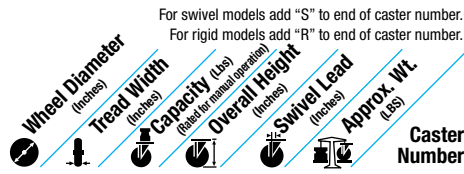
Polyurethane on Cast Iron (01 Roller Bearing)

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3 1/4	3 1/4	850	5 1/8	2	12	81PY03501
5	2 1/2	1290	6 1/2	2 1/4	15	81PY05401
6	2 1/2	1620	7 5/8	1 1/2	20 1/2	81PY06401
6	3	2000	7 5/8	1 1/2	26	81PY06501
8	2 1/2	2000	10 1/8	2 1/4	22 1/2	81PY08401
8	3	2000	10 1/8	2 1/4	22 1/4	81PY08501
10	3	2000	11 1/2	2 1/2	31	81PY10501
12	2 1/2	2000	13 1/2	3	31 1/2	81PY12401
12	3	2000	13 1/2	3	40	81PY12501

Prevenz™ antimicrobial models available. Add PREV to end of model.

Polyurethane on 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	1600	7 5/8	1 1/2	20 1/2	81PI06401
6	3	2000	7 5/8	1 1/2	26	81PI06501
8	2 1/2	2000	10 1/8	2 1/4	22 1/2	81PI08401
8	3	2000	10 1/8	2 1/4	22 1/4	81PI08501
10	3	2000	11 1/2	2 1/2	31	81PI10501
12	2 1/2	2000	13 1/2	3	31 1/2	81PI12401
12	3	2000	13 1/2	3	40	81PI12501



Thick Tread Polyurethane (01 Roller Bearing)

	6	3	2000	7 ⁵ / ₈	1 ¹ / ₂	26	81PX06501
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	22 ¹ / ₄	81PX08501
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	31	81PX10501
	12	3	2000	13 ¹ / ₂	3	40	81PX12501

Prevenz™ antimicrobial models available. Add PREV to end of model.

Vulkollan on Cast Iron (09 Roller Bearing)*

	6	2 ¹ / ₂	2000	7 ⁵ / ₈	1 ¹ / ₂	20 ¹ / ₂	81VY06409
	8	3	2000	7 ⁵ / ₈	1 ¹ / ₂	26	81VY06509
	8	2 ¹ / ₂	2000	10 ¹ / ₈	2 ¹ / ₄	22 ¹ / ₂	81VY08409
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	22 ¹ / ₄	81VY08509

*Roller (01) and Precision Ball (28) Bearings available.
Change "09" to bearing code. Roller example: 81VY06401

Vulkollan Thick Tread Polyurethane (09 Roller Bearing)*

	6	3	2000	7 ⁵ / ₈	1 ¹ / ₂	26	81VX06509
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	22 ¹ / ₄	81VX08509
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	31	81VX10509

*Roller (01) and Precision Ball (28) Bearings available.
Change "09" to bearing code. Roller example: 81VX06401

X-treme Plus Solid Polyurethane (01 Roller Bearing)*

	8	2 ¹ / ₂	2000	10 ¹ / ₈	2 ¹ / ₄	22 ¹ / ₂	81XP08401
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	22 ¹ / ₄	81XP08501
	10	2 ¹ / ₂	2000	11 ¹ / ₂	2 ¹ / ₂	24 ¹ / ₂	81XP10401
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	31	81XP10501

Prevenz™ antimicrobial models available. Add PREV to end of model.
*Precision Ball (28) Bearings available.
Change "01" to bearing code. Example: 81XP06428

Phenolic (01 Roller Bearing)

	6	2 ¹ / ₂	1600	7 ⁵ / ₈	1 ¹ / ₂	14 ¹ / ₄	81TM06401
	6	3	2000	7 ⁵ / ₈	1 ¹ / ₂	14 ³ / ₄	81TM06501
	8	2 ¹ / ₂	2000	10 ¹ / ₈	2 ¹ / ₄	16 ³ / ₄	81TM08401
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	17 ³ / ₄	81TM08501
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	20 ¹ / ₂	81TM10501
	12	3	2000	13 ¹ / ₂	3	22 ¹ / ₂	81TM12501

Trionix™ High Impact Polymer (28 Precision Ball Bearing)

	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	20 ¹ / ₂	81NY10528
--	----	---	------	--------------------------------	-------------------------------	--------------------------------	------------------

Trionix™ High Impact Polymer (28 Precision Ball Bearing)

	6	2 ¹ / ₂	2000	7 ⁵ / ₈	1 ¹ / ₂	15	81NX06428
	6	3	2000	7 ⁵ / ₈	1 ¹ / ₂	16	81NX06528
	8	2 ¹ / ₂	2000	10 ¹ / ₈	2 ¹ / ₄	17	81NX08428
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	18	81NX08528
	10	2 ¹ / ₂	2000	11 ¹ / ₂	3 ¹ / ₂	19 ³ / ₄	81NX10428
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	21	81NX10528

Cast Iron (01 Roller Bearing)

	4	3	2000	5 ¹ / ₂	2	17 ³ / ₄	81CA04501
	5	2 ¹ / ₂	2000	6 ¹ / ₂	2 ¹ / ₄	19 ¹ / ₂	81CA05401
	6	2 ¹ / ₂	2000	7 ⁵ / ₈	1 ¹ / ₂	20 ¹ / ₄	81CA06401
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	26 ¹ / ₂	81CA08501
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	27 ¹ / ₂	81CA10501

Drop Forged Steel (01 Roller Bearing)

	6	2 ¹ / ₂	2000	7 ⁵ / ₈	1 ¹ / ₂	21 ³ / ₄	81FS06401
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	26 ¹ / ₂	81FS08501

V-Grooved Cast Iron (01 Roller Bearing)

	6	2 ¹ / ₂	2000	7 ⁵ / ₈	1 ¹ / ₂	20 ¹ / ₄	81VG06401
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	26 ¹ / ₂	81VG08501
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	27 ¹ / ₂	81VG10501

Ductile Iron Crowned Tread (01 Roller Bearing)*

	6	2 ¹ / ₂	2000	7 ⁵ / ₈	1 ¹ / ₂	20 ¹ / ₄	81FR06401
	8	3	2000	10 ¹ / ₈	2 ¹ / ₄	26 ¹ / ₂	81FR08501
	10	3	2000	11 ¹ / ₂	2 ¹ / ₂	27 ¹ / ₂	81FR10501

FR, FM

*Straight Roller (01) and Precision Ball (28) available.
(Tapered Roller example: 81FR06409).
Ductile Iron Flat Tread (FM) and V-Groove (VM) models available.
Change FR wheel code to FM or VM. Example: 81FM06401.

Prevenz™ Antimicrobial Wheels

The EPA registered and FDA compliant antimicrobial additive used in Prevenz™ wheels is designed to suppress the growth of a variety of destructive and odor causing microbes including bacteria, molds, mildew and fungi. These wheels are suitable for a variety of applications including medical equipment, food equipment, pharmaceutical, chemical, meat & poultry, processing plants and more. To order add "PREV" to end of model number.

