

02

Institutional Casters

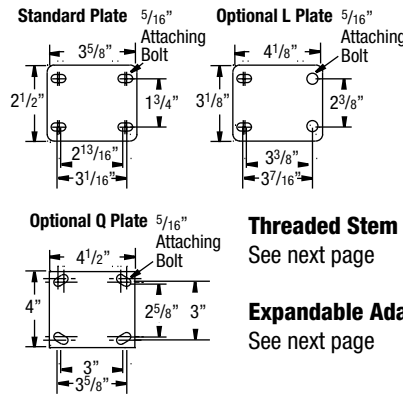


Easy rolling, double ball bearing casters are ideally suited for virtually any operation where a smooth rolling, highly maneuverable, economical caster is required. Heat treated design delivers extended life and performance.

TYPICAL APPLICATIONS

- Hotel equipment
- Institutional equipment
- Food service racks and cases
- Stock carts
- Laundry trucks

MOUNTING OPTIONS



Threaded Stem
See next page

Expandable Adapter
See next page

RIG OPTIONS

- **Sealed wheel** (1/2" straight roller bearing with 1-1/16" bore) specify **SW02**
- **Sealed swivel** specify **SS01**
- Special **zerk fitting** for axle specify **ZF03**
- **"NSF"** listed for food industry consult factory.
- **Hollow kingpin** swivel rig available specify **YH** in place of wheel code (02YH03001S)

BRAKE OPTIONS (Swivel Only)

Grip Lock specify **GL**



Face Contact specify **F**



Total Lock specify **T**

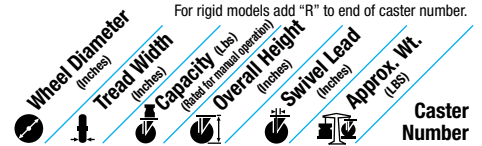
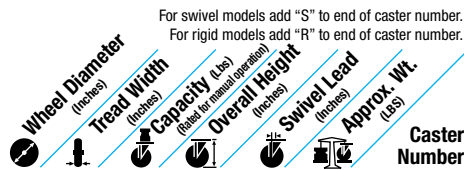


BEARING OPTIONS



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

Plate Models



Soft Rubber (01 Straight Roller Bearing)*

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3	1 1/4	125	4 1/4	1 5/16	1.75	02RR03001
3 1/2	1 1/4	150	4 11/16	1 1/4	1.75	02RR03X01
4	1 1/4	150	5 1/8	1 1/4	2.25	02RR04001
5	1 1/4	175	6 3/16	1 1/2	2.75	02RR05001

*Oilex (23) bearing available. Change "01" to "23"
(Example: 02RR03023).

Hard Rubber (41 Plain Bore)

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3	1 1/4	300	4 1/4	1 5/16	2.00	02RN03041
3 1/2	1 1/4	350	4 11/16	1 1/4	2.00	02RN03X41
4	1 1/4	350	5 1/8	1 1/4	2.25	02RN04041
5	1 1/4	350	6 3/16	1 1/2	2.75	02RN05041
6	1 1/4	350	7 1/4	1 1/2	3.25	02RN06041

X-tra Soft Rubber Flat Tread (31 Annular Ball)*

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3	1 1/4	200	4 1/4	1 5/16	1.75	02XS03031
3 1/2	1 1/4	250	4 11/16	1 1/4	1.85	02XS03X31
4	1 1/4	300	5 1/8	1 1/4	2.00	02XS04031
5	1 1/4	325	6 3/16	1 1/2	2.25	02XS05031
6	1 1/4	350	7 1/4	1 1/2	2.40	02XS06031

*Delrin (51) bearing available. Change "31" to "51"
(Example: 02XS03051).

Prevenz™ antimicrobial models available. Add PREV to end of caster number.

Precision X-tra Soft Round Tread (28 Precision Ball Bearing) NEW PRODUCT!

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3	1 1/4	200	4 1/4	1 5/16	1.75	02XR03028
3 1/2	1 1/4	250	4 11/16	1 1/4	1.85	02XR03X28
4	1 1/4	300	5 1/8	1 1/4	2.00	02XR04028
5	1 1/4	325	6 3/16	1 1/2	2.25	02XR05028

XR

Polypropylene (41 Plain Bore)*

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3	1 1/4	250	4 1/4	1 5/16	1.75	02PB03041
4	1 1/4	350	5 1/8	1 1/4	2.00	02PB04041
5	1 1/4	350	6 3/16	1 1/2	2.25	02PB05041

*Delrin (51) bearing available. Change "41" to "51"
(Example: 02PB03051).

PB

Polyurethane on Polypropylene (28 Precision Ball Bearing)* NEW MODEL!

Wheel Diameter (inches)	Tread Width (inches)	Capacity (lbs)	Overall Height (inches)	Swivel Lead (inches)	Approx. Wt. (lbs)	Caster Number
3	1 1/4	300	4 1/4	1 5/16	1.50	02XA03028
3 1/2	1 1/4	350	4 11/16	1 1/4	1.50	02XA03X28
4	1 1/4	350	5 1/8	1 1/4	2.25	02XA04028
5	1 1/4	350	6 3/16	1 1/2	2.75	02XA05028

*Annular (31) and Delrin (51) bearing available.
Change "28" to "31 or 51" (Example: 02XA030331).

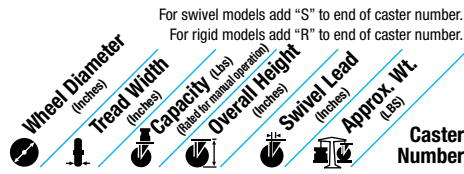
XA

Prevenz™ antimicrobial models available. Add PREV to end of caster number.

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Plate Models

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Phenolic (01 Straight Roller Bearing)*

	3	1 1/4	350	4 1/4	1 5/16	1.50	02TM03001
	3 1/2	1 1/4	350	4 1 1/16	1 1/4	2.00	02TM03X01
	4	1 1/4	350	5 1/8	1 1/4	2.00	02TM04001
	5	1 1/4	350	6 3/16	1 1/2	2.75	02TM05001
	*Oilex (23) and plain bore (41) bearing available. Change "01" to bearing code. (Example for Oilex: 02TM03023 Example for Plain: 02TM03041)						

TM

Cast Iron (Straight Roller Bearing)*

	3	1 1/4	200	4 1/4	1 5/16	2.50	02CA03001
	3 1/2	1 1/4	250	4 1 1/16	1 1/4	2.50	02CA03X01
	4	1 1/4	300	5 1/8	1 1/4	3.00	02CA04001
	5	1 1/4	325	6 3/16	1 1/2	3.50	02CA05001
	*Plain bore (41) bearing available. Change "01" to bearing code. Example 02CA03041						

CA

Threaded Stem Models

Base caster numbers shown in chart.
To order see stem codes on below.

Soft Rubber (01 Straight Roller Bearing)*

	3	1 1/4	125	4 1/4	1 5/16	1.75	02RR03001
	3 1/2	1 1/4	150	4 1 1/16	1 1/4	1.75	02RR03X01
	4	1 1/4	150	5 1/8	1 1/4	2.25	02RR04001
	5	1 1/4	175	6 3/16	1 1/2	2.75	02RR05001
	*Oilex (23) bearing available. Change "01" to "23" (Example: 02RR03023).						

RR

Hard Rubber (41 Plain Bearing)

	3	1 1/4	300	4 1/4	1 5/16	2.00	02RN03041
	3 1/2	1 1/4	350	4 1 1/16	1 1/4	2.00	02RN03X41
	4	1 1/4	350	5 1/8	1 1/4	2.25	02RN04041
	5	1 1/4	350	6 3/16	1 1/2	2.75	02RN05041
	6	1 1/4	350	7 1/4	1 1/2	-	02RN06041

RN

X-tra Soft Rubber Flat Tread (31 Annular Ball)*

	3	1 1/4	200	4 1/4	1 5/16	1.75	02XS03031
	3 1/2	1 1/4	250	4 1 1/16	1 1/4	1.85	02XS03X31
	4	1 1/4	300	5 1/8	1 1/4	2.00	02XS04031
	5	1 1/4	325	6 3/16	1 1/2	2.25	02XS05031
	6	1 1/4	350	7 1/4	1 1/2	-	02XS06031
*Delrin (51) bearing available. Change "31" to "51" (Example: 02XS03051).							

Prevenz™ antimicrobial models available. Add PREV to end of caster number.

XS

Precision X-tra Soft Round Tread (28 Precision Ball Bearing)*

	3	1 1/4	200	4 1/4	1 5/16	1.75	02XR03028
	3 1/2	1 1/4	250	4 1 1/16	1 1/4	1.85	02XR03X28
	4	1 1/4	300	5 1/8	1 1/4	2.00	02XR04028
	5	1 1/4	325	6 3/16	1 1/2	2.25	02XR05028
	*Delrin (51) bearing available. Change "28" to "51" (Example: 02XR03051).						

XR

Polypropylene (41 Plain Bearing)*

	3	1 1/4	250	4 1/4	1 5/16	1.75	02PB03041
	4	1 1/4	350	5 1/8	1 1/4	2.00	02PB04041
	5	1 1/4	350	6 3/16	1 1/2	2.25	02PB05041
	*Delrin (51) bearing available. Change "41" to "51" (Example: 02PB03051).						

PB

Polyurethane on Polypropylene (31 Annular Ball)*

	3	1 1/4	300	4 1/4	1 5/16	1.50	02XA03031
	3 1/2	1 1/4	350	4 1 1/16	1 1/4	1.50	02XA03X31
	4	1 1/4	350	5 1/8	1 1/4	2.25	02XA04031
	5	1 1/4	350	6 3/16	1 1/2	2.75	02XA05031
	*Delrin (51) bearing available. Change "31" to "51" (Example: 02XA03051).						

XA

Phenolic (01 Straight Roller Bearing)*

	3	1 1/4	350	4 1/4	1 5/16	1.50	02TM03001
	3 1/2	1 1/4	350	4 1 1/16	1 1/4	2.00	02TM03X01
	4	1 1/4	350	5 1/8	1 1/4	2.00	02TM04001
	5	1 1/4	350	6 3/16	1 1/2	2.75	02TM05001
	*Oilex (23) and plain bore (41) bearing available. Change "01" to bearing code. (Example for Oilex: 02TM03023 Example for Plain: 02TM03041)						

TM

Cast Iron (01 Straight Roller Bearing)*

	3	1 1/4	200	4 1/4	1 5/16	2.50	02CA03001
	3 1/2	1 1/4	250	4 1 1/16	1 1/4	2.50	02CA03X01
	4	1 1/4	300	5 1/8	1 1/4	3.00	02CA04001
	5	1 1/4	325	6 3/16	1 1/2	3.50	02CA05001
	*Plain bore (41) bearing available. Change "01" to bearing code. Example 02CA03041						

CA

Threaded Stem Order Codes (Add to base number above)

Note: Threads are 1/2" Diameter 13 NC

Wheel Diameter (Inches)	Type 1: 1" Long Option Code	Type 2: 1-1/2" Long Option Code	Type 3: 2-1/2" Long For Expandable Adapters Option Code
3	-S32	-S31	-S33
3 1/2	-SX2	-SX1	-SX3
4	-S42	-S41	-S43
5	-S52	-S51	-S53

Prevenz™ Antimicrobial Wheels

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 caster number.



Expandable Adapter Kits

(Fits any 13 NC threaded stem caster over 2-1/2" long)



Stem Description For Round and Square Tubing

Round and Square Tubing	Kit Number
3/4" to 7/8" (19.1mm to 22.2mm)	SX123200
7/8" to 1" (22.2mm to 25.4mm)	SX143200
1" to 1-1/8" (25.4mm to 28.6mm)	SX163200
1-1/8" to 1-1/4" (28.6mm to 31.8mm)	SX183200
1-1/4" to 1-1/2" (31.8mm to 38.1mm)	SX203200
1-1/2" to 1-3/4" (38.1mm to 44.5mm)	SX243200
1-3/4" to 2" (44.5mm to 50.8mm)	SX283200

Kits come in individual plastic bags and include nut, black rubber expander and white nylon spacer. Kits fit any 1/2" 13 NC threaded stem caster over 2-1/2" long.

To order pre-installed adapters consult factory.

Hollow Kingpin Swivel Rig



Hollow kingpin swivel rig available specify **YH** in place of wheel code (02YH03001S). Hole accommodates 1/2" fittings.

To order complete caster assembly, consult factory.

Product Numbering System

CASTERS

16PD06201S is a 16 Series 6" x 2" swivel top plate caster with Polyurethane/Aluminum core wheel and straight roller bearing. See below for caster number breakdown.

16	PD	06	2	01	S
Caster Series (16 Series)	Wheel Code (PD is Polyurethane on aluminum core) (see Wheel Section for codes, page 147 to 193)	Diameter Code (06 is 6")	Tread Width Code (2 is 2") 0: Less than 1-1/2 1: 1-1/2 to 1-5/8 2: 1-3/4 to 2 3: 2-1/8 to 2-7/16 4: 2-1/2 to 2-3/4 5: 2.8 to 3-3/8 6: 3-1/2 to 3-7/8 7: 4 to 4-7/8 8: 5 to 5-1/2 9: Over 5-1/2 X: 3-1/2 Dia. Wheel	Bearing Code (01 is Straight Roller Bearing) (see Bearing Section for codes, page 13)	Swivel/Rigid Code (S is swivel, R is rigid)

OPTIONAL FEATURES

To be listed under the caster model number when ordering. Note: Some brake and swivel lock options are now placed at the end of the part number. Please see individual series for option designation.

CB	16
Option Code (CB is cam style brake)	Option Code (In this case cam style brake for 16 series caster)

WHEELS

PD0620112 is a 6" x 2" Polyurethane/Aluminum core with 3/4" straight roller bearing.

PD	06	2	01	12
Wheel Code (PD is Polyurethane on aluminum core) (see Wheel Section for codes, page 147 to 193)	Diameter Code (06 is 6")	Tread Width Code (2 is 2") 0: Less than 1-1/2 1: 1-1/2 to 1-5/8 X: 1-1/4" tread width for 3-1/2" Dia. Wheels 2: 1-3/4 to 2 3: 2-1/8 to 2-7/16 4: 2-1/2 to 2-3/4 5: 2.8 to 3-3/8 6: 3-1/2 to 3-7/8 7: 4 to 4-7/8 8: 5 to 5-1/2 9: Over 5-1/2	Bearing Code (01 is Straight Roller Bearing) (see Bearing Section for codes, page 13) Note: for wheel less bearing order 41 or 00 depending on wheel--see wheel section pages 147-193)	Bearing ID Code (12 is 3/4") Bearing I.D. for wheels with bearing. Wheel bore I.D. for wheels less bearing. In 1/16" increments, for example: 12 divided by 16 or 3/4" Common Bore Sizes: 19 = 1-3/16 31 = 1-15/16 39 = 2-7/16

RIGS

16YA06201S is a Medium-heavy duty swivel rig that would accommodate the above 6" x 2" PD wheel.

16	YA	06	2	01	S
Caster Series (16 Series)	Rig Code (YA is rig only designation) YA: Standard YB: Moldon Lead YJ: Ball Load YN: Semi-Pneumatic YO: Full Pneumatic (Note: not all options included)	Diameter Code (06 is 6")	Inside Leg Spacing Code (2 means that rig fits 1-3/4" to 2" tread width wheel) See Tread Width Code in WHEELS above.	Axle/Nut Code (01 indicates Stripped rig, no parts) 00: Rig comes with axle, nut, spanner and thrust washers 03: Complete with axle and nut.	Swivel/Rigid Code (S is swivel, R is rigid)