

# 02

## Shopping Cart Casters



Albion's standard Urethane Shopping cart wheels both mechanically lock and chemically lock the tread to the wheel core. Albion has two new shopping cart casters (1) Self-Decelerating wheel reduces damage caused by unattended carts, and (2) Anti-static caster to reduce static build-up.

### TYPICAL APPLICATIONS

- Shopping Carts

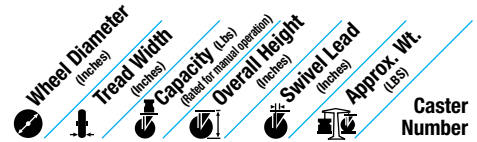
### MOUNTING OPTIONS

**Threaded Stem**  
Standard 1/2" diameter 13 NC thread  
1" long

**Square Stem**  
3/4" square x 1-3/4" long, 1/4" cross-drilled hole

### FEATURES

- Albion's Urethane Shopping cart wheels both mechanically lock and chemically lock the tread to the wheel core.
- **Top Plate & Yoke:** Heavily embossed, formed steel to extend caster life under rugged conditions
- **Swivel Section:** Hardened double ball bearing raceways to resist wear and improve maneuverability
- **Kingpin:** 1/2" hydraulically formed steel rivet
- **Axle:** 5/16" diameter axle with lock nut
- **Finish:** All rigs are zinc plated to resist rust and corrosion.



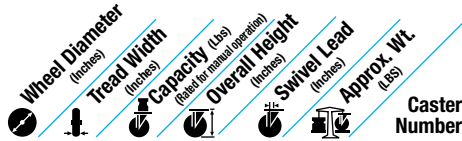
### ANTI-STATIC SHOPPING CART CASTER

#### Threaded Stem Model (Double Sealed Ball Bearing)

5 | 1 1/4 | 250 | 5 7/8 | 1 1/2 | - | 02XB05031S030

**THE PROBLEM:** A customer enters your store and is greeted by a jolt of electricity after touching a shopping cart. Not a happy customer.

**THE SOLUTION:** The patented Anti-Static Caster offers the perfect solution. This totally new approach utilizes a synthetic resin impregnated with electrically conductive material in the wheel. The conductor is connected to the wheel bearing...which is connected to the axle...which is connected to the caster yoke...which is connected to the frame of the shopping cart...which is connected to your customer's hand. With each revolution, the conductor makes contact with the floor reducing static build-up.



#### Threaded Stem Model (Dual Ball Bearings with Thread Guards)

5 | 1 1/4 | 350 | 5 7/8 | 1 1/2 | 2 1/4 | 02XB05031S009

#### Square Stem Model (Dual Ball Bearings with Thread Guards)

5 | 1 1/4 | 350 | 5 7/8 | 1 1/2 | 2 1/4 | 02XB05031S008



### SELF-DECELERATING SHOPPING CART CASTER

#### Threaded Stem Model (Single Spindle, Double Sealed Ball Bearing)

5 | 1 1/4 | 250 | 5 7/8 | 1 1/2 | - | 02XB05031S040

This new caster features a wheel that reduces damage caused by rolling, unattended shopping carts. Rolling shopping carts left unattended in parking lots are a source of potential damage to customer automobiles, and of liability to store owners. Our self-deceleration wheel covers are made of polymer, that encompass and compress our bearing protecting polyurethane shock absorber. This provides you with adjustable self-deceleration. The amount of deceleration is pre-set at the factory for average conditions. This setting will hold unattended carts on relatively slight slopes. Proper periodic field adjustment is necessary to maintain its effectiveness over a long period of time. The Self-Decelerating wheel is most effective when used in a pair, as front swivel casters. Please consult factory for additional information. Orange Thread Guards are used to identify these wheels.



**Urethane replacement wheel** specify **XB050310508**. **X-tra Soft Rubber replacement wheel** specify **XS050310508**. Both wheels have standard 1 1/2" hub length and 5/16" bearing ID. Both weigh about 3/4 of a pound. X-tra soft shopping cart wheels provide quieter operation, easier rollability and better shock resistance than the standard polyurethane or polypropylene wheel.



#### Anti static replacement wheel

specify **XB050310510**  
Wheel utilizes a synthetic resin impregnated with electrically conductive material in the wheel. With each revolution, the conductor makes contact with the floor reducing static build-up.



#### Self-Decelerating replacement wheel

specify **XB050310511**  
Our self-deceleration wheel covers are made of polymer, that encompass and compress our bearing protecting polyurethane shock absorber. This provides you with adjustable self-deceleration.

# 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.

<b>16</b>	<b>PD</b>	<b>06</b>	<b>2</b>	<b>01</b>	<b>S</b>
<b>Caster Series</b> (16 Series)	<b>Wheel Code</b> (PD is Polyurethane on aluminum core) (see Wheel Section for codes, page 147 to 193)	<b>Diameter Code</b> (06 is 6")	<b>Tread Width Code</b> (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	<b>Bearing Code</b> (01 is Straight Roller Bearing) (see Bearing Section for codes, page 13)	<b>Swivel/Rigid Code</b> (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.

<b>CB</b>	<b>16</b>
<b>Option Code</b> (CB is cam style brake)	<b>Option Code</b> (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.

<b>PD</b>	<b>06</b>	<b>2</b>	<b>01</b>	<b>12</b>
<b>Wheel Code</b> (PD is Polyurethane on aluminum core) (see Wheel Section for codes, page 147 to 193)	<b>Diameter Code</b> (06 is 6")	<b>Tread Width Code</b> (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	<b>Bearing Code</b> (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)	<b>Bearing ID Code</b> (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.

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