

# Collision Cart

## ME-9454

The Collision Cart is a 500-gram cart with an aluminum body and ABS end caps. It is the companion to the Plunger Cart (ME-9430), which is blue and has a spring plunger. The different colors make it easier to keep track of each cart during collision studies. The cart includes magnets, and hook and loop pads for exploring elastic and inelastic collisions. The cart is compatible with all PASCO Dynamics Tracks and accessories.

### Part descriptions



1. **Wheels**  
The wheels are mounted to low-friction ball-bearings. The wheels retract into the body so that they are protected from drops or being stepped on. The wheels are designed to fit in the grooves on PASCO tracks.
2. **ABS End Caps**
3. **Magnets**  
Use for elastic collision experiments.
4. **Upper Tie Point**  
Use for attaching a string or springs (ME-8999) to the cart.
5. **Slot**  
Use for inserting a Cart Picket Fence (ME-9804).
6. **Mounting Holes**  
Use the threaded holes to attach various accessories.
7. **Accessory Tray**  
Use to hold Cart Masses (ME-6757A).
8. **Hook and Loop Pads**  
Use for inelastic collision experiments.
9. **Lower Tie Point**  
Use for attaching a string to pull the cart.

### Replacing the axles

The bearings inside the axles may become damaged from dirt and other contaminants over time. Replacement axles are available as item ME-6957.

### Additional resources

#### Product information

Visit the product web page at [pasco.com/product/ME-9454](http://pasco.com/product/ME-9454) for additional information including:

- Specifications
- Buying Guide
- Experiments
- Documents



#### Experiments

Print-ready experiment worksheets are available to download from the PASCO website. Go to [pasco.com/freelabs](http://pasco.com/freelabs) and enter ME-9454 in the Part No. field.

#### Technical Support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to provide assistance with this or any other PASCO product.

Phone (USA)	1-800-772-8700 (Option 4)
Phone (International)	+1 916 462 8384
Online	<a href="http://pasco.com/support">pasco.com/support</a>

### Warranty, Copyright, and Trademarks

#### Limited Warranty

For a description of the product warranty, see the Warranty and Returns page at [www.pasco.com/legal](http://www.pasco.com/legal).

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