

# PAScar (Set of 2)

ME-6950

Also sold as:

- PAScar Red (ME-6933)
- PAScar Blue (ME-6934)

Each 250-gram polycarbonate cart includes a spring plunger, magnets, and hook and loop pads for collision studies. The PAScars come in red and blue and are compatible with all PASCO Dynamics Tracks and accessories.

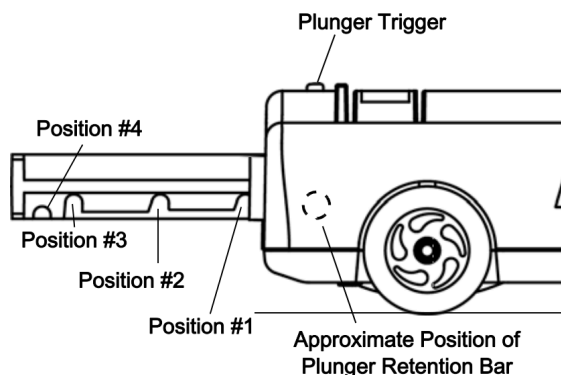
## Part descriptions



- 1 Upper Tie Point**  
Use for attaching a string to pull the cart.
- 2 Accessory Tray**  
Use to hold Cart Masses (ME-6757A). Use the threaded holes in the tray to attach various cart accessories.
- 3 Hook and Loop Pads**  
Use for inelastic collision experiments.
- 4 Plunger Trigger**  
Use to release the spring plunger to launch the cart or for explosion experiments.
- 5 Magnets**  
Use for elastic collision experiments.
- 6 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.
- 7 Lower Tie Point**  
Use for attaching a string to pull the cart.
- 8 Slot**  
Use for inserting a Cart Picket Fence (ME-9804).

## Plunger operation

The plunger is used to launch the cart from a stationary object or another PAScar. It can be set at three different positions to launch the cart at three different speeds. The fourth position is used to make the plunger flush with the cart for inelastic collision experiments.



**CAUTION:** The plunger comes out rapidly when the trigger is pushed. Do not hold the plunger end of the PAScar next to your eyes to prevent injury.

### Launch the cart

Use the plunger to launch the cart at three different speeds.

1. Push the plunger into the PAScar until you hear or feel a “click” (position #1). Repeat to set the plunger at position #2 or #3.
2. Place the end of the plunger next to an object.
3. Push the plunger trigger to launch the cart.

### Set the plunger flush with the cart

The plunger needs to be pushed all the way in (position #4) when using the hook and loop pads for inelastic collision experiments.

1. Press and hold down the plunger trigger.
2. While holding the trigger, push the plunger all the way into the PAScar until the end of the plunger is flush with the end of the PAScar.
3. Release the plunger trigger.

## Additional resources

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### Product information

Visit the product web page at [pasco.com/product/me-6950](http://pasco.com/product/me-6950) 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-6950 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

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### 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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