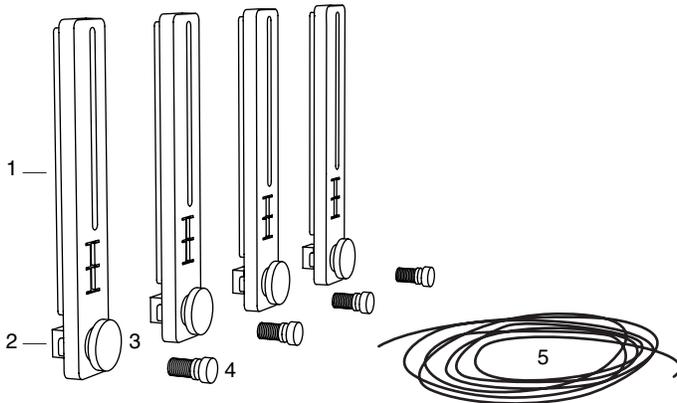


# Elastic Bumper Kit

ME-8998



## Included Equipment

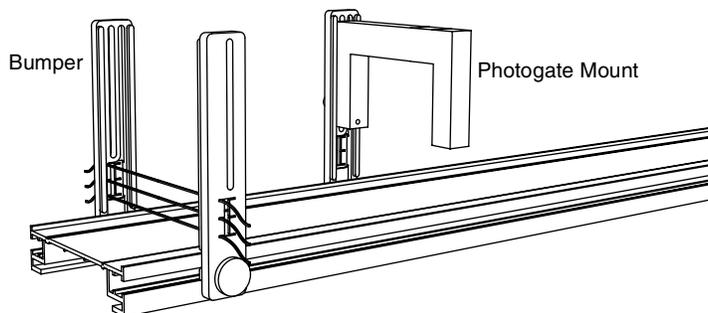
1. Brackets (4 pieces)
2. Square Nuts (4 pieces)
3. Large Thumbscrews,  
1/4-20 × 9/16 (4 pieces)
4. Small Thumbscrews,  
6-32 × 3/8, (4 pieces)
5. Elastic Cord  
2 mm × 2 mm × 10 m

## Replacement Parts

- ME-8998 (complete set)
- ME-9823 (IDS Spares Kit)
- ME-8986  
(30 m replacement spool)

## Introduction

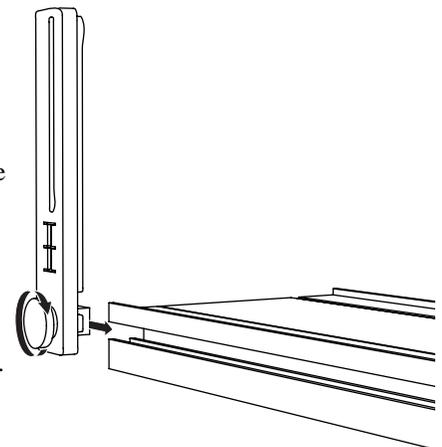
The Elastic Bumper Kit includes parts that can be used as a pair of elastic bumpers or for mounting four photogates on a PASCO dynamics track.



## To Mount Bracket on Track

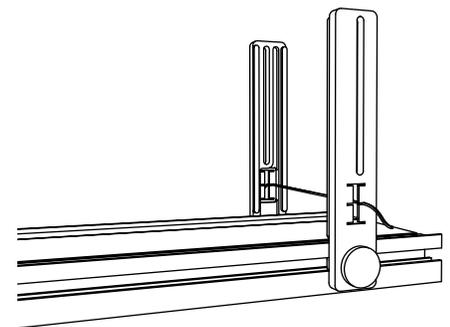
The brackets attach to the T-slots on the sides of a dynamics track.

1. Loosen (but do not remove) the square nut on the thumb-screw.
2. Slide the nut into the T-slot at the end of the track.
3. Slide the bracket along the track to the desired location.
4. Tighten the thumb-screw to secure the bracket.



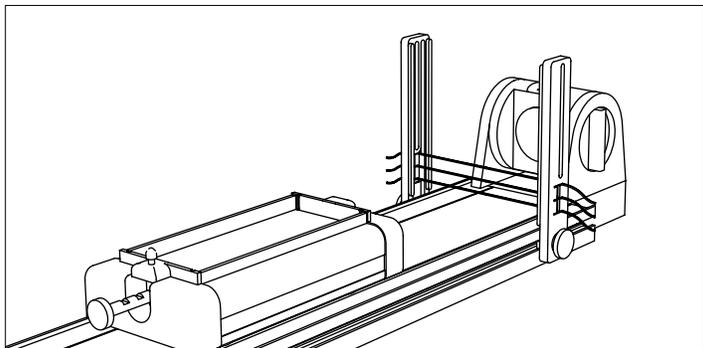
## For Use as Bumpers

Using the four included brackets and some of the included elastic cord, you can set up two bumpers on a track. This type of bumper is ideal for use with a motion sensor because the sensor can “see through” the thin elastic cord, and the bumper protects the sensor from being hit by a cart.



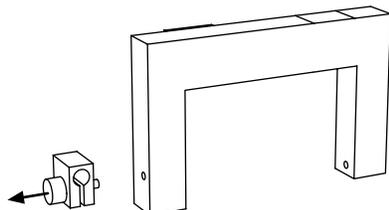
1. Mount two brackets on either side of the track as illustrated.
2. Cut off a 15 cm length of elastic cord.
3. Stretch the cord through the lower slots in the brackets. Secure the cord by pulling it into the notches.

- For heavy carts or fast collisions, add one or two more pieces of elastic cord.
- If you are using a motion sensor, place it within 15 cm of the bumper. This will allow the sensor to “see” through the bumper.



## For Use as Photogate Mount

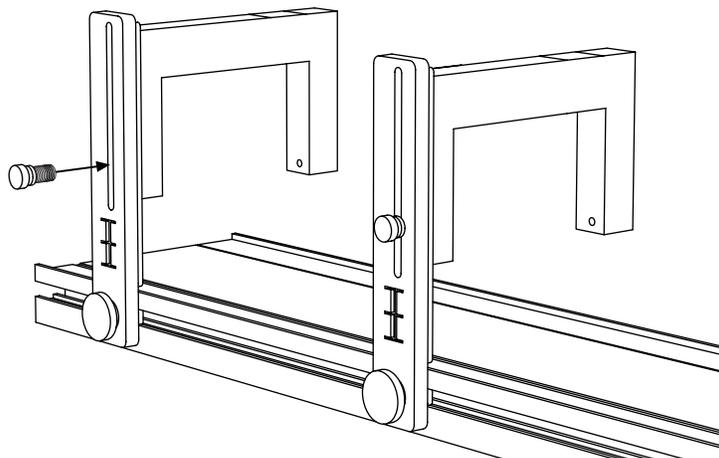
- Mount a bracket on the track at the desired location.
- Remove the rod-mounting clamp from the photogate.



- Insert a small thumbscrew through the upper slot of the bracket and into the mounting hole in the photogate.

*Note: Use the shorter thumbscrew (3/8 inch, 10 mm) included with the bumper kit, not the longer screw that came with the photogate.*

- Adjust the height of the photogate.
- Tighten the thumbscrew to secure the photogate.



## Technical Support

For assistance with any PASCO product, contact PASCO at:

Address: PASCO scientific  
10101 Foothills Blvd.  
Roseville, CA 95747-7100

Phone: 916-786-3800 (worldwide)  
800-772-8700 (U.S.)

Fax: (916) 786-7565

Web: [www.pasco.com](http://www.pasco.com)

Email: [support@pasco.com](mailto:support@pasco.com)

**Limited Warranty** For a description of the product warranty, see the PASCO catalog.

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