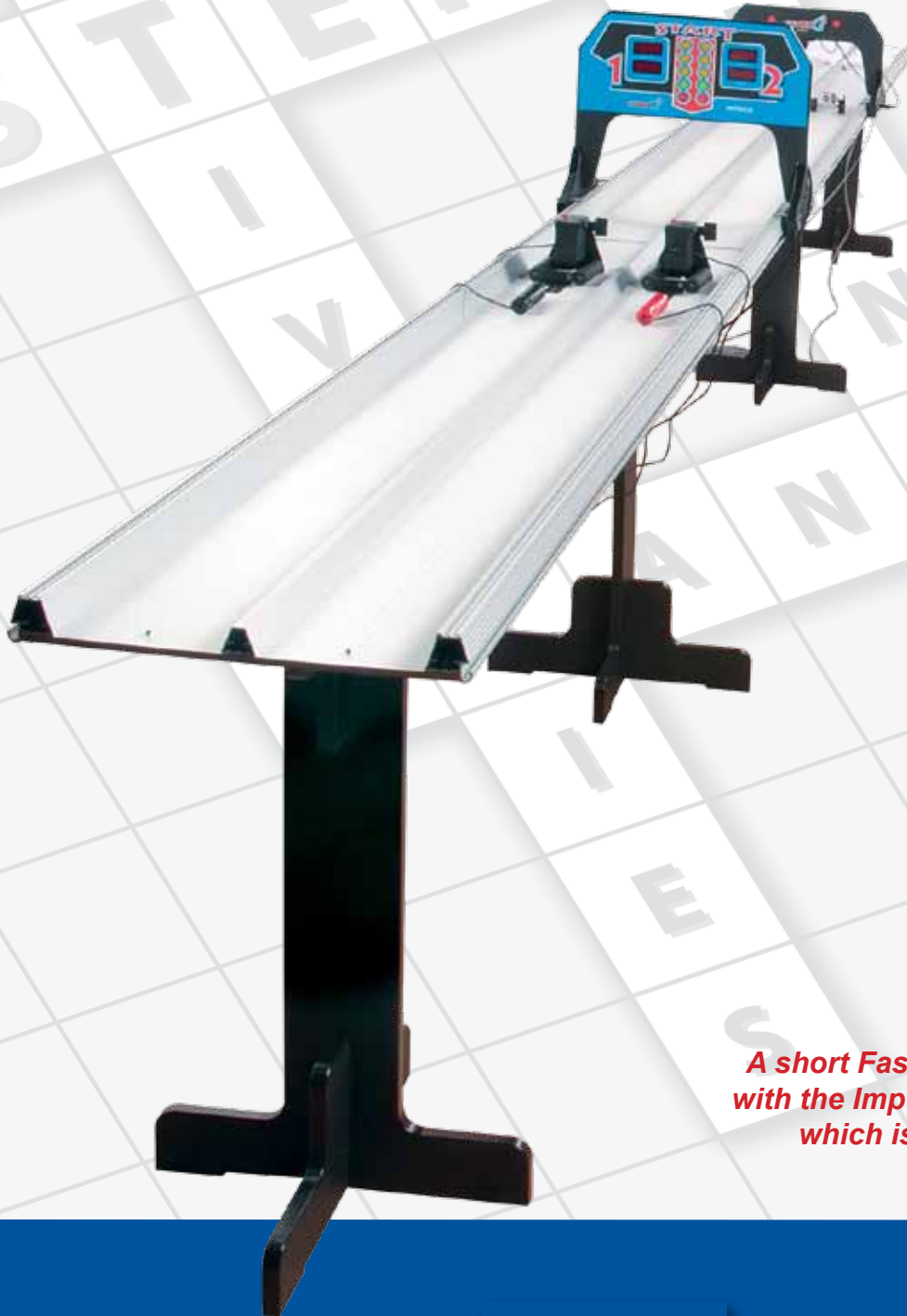


# FasTrak

## Elevated Racetrack

*User Guide*



*A short FasTrak is pictured here with the Impulse G3 Race System, which is sold separately.*

The FasTrak is designed to simulate a quarter-mile racetrack to scale. Because metric dragsters are about one-twentieth the size of real dragsters, the full FasTrak's racing distance, from start to the finish line, is 20 meters – or one-twentieth of a quarter mile. This simplifies mathematical comparisons to real race cars.

## Components List

Your FasTrak package should contain all of the items listed below. If anything is missing, call Pitsco Customer Service at 800-358-4983.

- 11 track sections
- 12 legs
- 12 leg bases
- 2 track supports
- 33 thumbscrews with washers (3 of these are extra)
- Spool of 50-pound monofilament line (110 yards)

## Warranty

Pitsco provides a one-year limited warranty against defects in manufacturing on all items purchased. In a warranty situation, Pitsco will arrange for the return of defective items for evaluation. Qualified Pitsco staff will determine warranty coverage and notify the customer. Items under warranty will be repaired or replaced at Pitsco's discretion. Customers will be billed for all costs associated with non-warranty items.

## What You Need

No tools are needed to assemble the FasTrak other than scissors to cut the monofilament line, but assembly is easier if done by two or three people.

You need a long stretch of level floor to set up the FasTrak. The full track is approximately 80 feet long. You can set up a shorter track, but it shouldn't be shorter than 40 feet. **Note:** If using a track less than 80 feet long, you should launch dragsters with a 4 gram cartridge instead of the 8 gram cartridge.

## Safety Note

Teachers should provide adequate supervision when leading this activity in the classroom. As needed, teachers should implement general safety requirements, including but not limited to the following: eye protection, proper ventilation, and instruction on the use of hand tools. Furthermore, teachers should implement the safety requirements required by their district and/or state in combination with the safety requirements mentioned in this user guide. Pitsco, Inc. is not responsible for bodily injury or property damage resulting from the misuse of its products or the teacher's failure to implement proper safety within the classroom.

## Assembling the Start Section

Here are the three components that make up legs:

Leg  
(12)



Leg Base  
(12)



Track Support  
(2 – for Start section only)



1. Prop up a leg base so that the slot faces up. Hold the leg so the slightly narrower flared end is facing up. Insert the bottom of the leg into the leg base (Figure 1).
2. Insert the track support with the slot facing down (Figure 2). Turn the leg so that the flat side will be perpendicular to the length of the track.



Figure 1



Figure 2

3. Set up the second leg the same way but turn it so the flat side is parallel to the length of the track (Figure 3). This will make the track more stable. This leg should be five to six feet away from the first leg.
4. Find the first track section. Hold up the section over the two legs (Figure 4), flip it over, and place it on top of the legs.



Figure 3



Figure 4

(Step continued on next page.)

Make sure the legs line up with the slots under the track section (Figure 5). Be sure the Velcro strips are facing the direction in which you will build your track (Figure 6). The first section is completed.



**Figure 5**



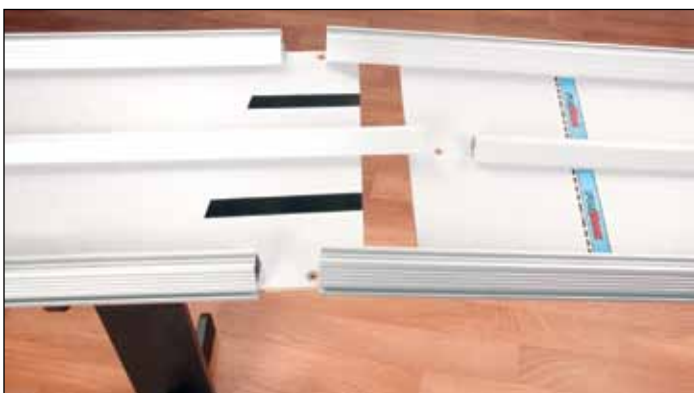
**Figure 6**

## Adding More Track Sections

1. Set up another leg five to six feet from the first section (Figure 7). The remaining legs will not have track supports and should be facing so the flat side is perpendicular to the length of the track.
2. Take the track section with the Start line on it. With the Start line near the Velcro strips, slide the rails on the end onto the first track section (Figure 8). Slide the two sections together (Figure 9).



**Figure 7**



**Figure 8**



**Figure 9**

3. Rest the other end of the track section onto the leg (Figure 10).

Make sure the notch on the underside of the track fits into the slot of the leg (Figure 11).

4. Secure the two sections together with three thumbscrews in the predrilled holes on the underside of the track (Figure 12).



Figure 10



Figure 11

5. Continue adding track sections following Steps 1-4 until the track is as long as you want it. The last section of your track needs to be the Finish line section, and the Finish line label will not be on the very end as you need room for the dragsters to stop and be removed after crossing the Finish line (Figure 13).



Figure 12



Figure 13

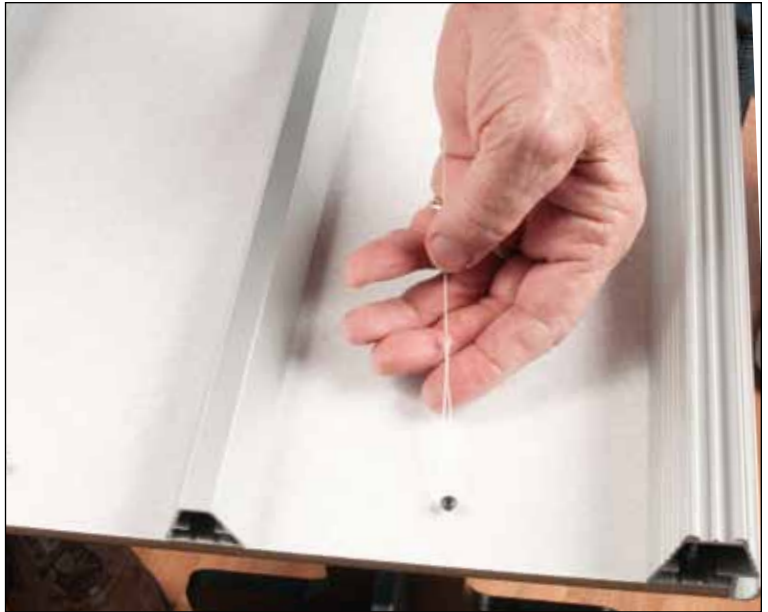
## Completing the Track

1. Find the monofilament line. On one end, double the line for 8 to 12 inches and tie a loop in it (Figures 14a-c).



Figures 14a, b, and c

2. Place the loop over one of the screws at the end of the Start section (Figure 15). Stretch the line down the lane to the Finish section and cut it two feet short of reaching the anchor screw at the end of the track.  
**NOTE:** You should cut the line closer to the anchor screw if you are using a shorter track.
3. Following the instructions and pictures in Step 1, tie another two-inch loop at the end of the line. Stretch the line until you can loop the end over the screw at the end of the lane (Figure 16). The line should be very taut. If it is not, shorten the line and reknot. Repeat for the other lane.
4. At race time, detach the monofilament line from the Start section screw, thread four or five cars onto it, and then loop the line back over the screw. This will prevent the cars from flying off the track.



**Figure 15**



**Figure 16**

## Using the Track

Use the track with a compatible race system such as the Impulse G3 or GII Race System, Impulse Race System, or the EZ Start Raceway.

**Note:** Three sections of the FasTrak are shown at right with the Impulse G3 Race System, **sold separately**.

## Care and Storage

The FasTrak can be cleaned with mild soap or detergent, but do not saturate the surface or get the exposed ends of the laminate wet. We recommend the track sections be cleaned before storing them.

Carefully disassemble the FasTrak and store the sections laying flat in a dry location. **Caution:** Do **not** store the track upright as it can cause it to warp. It is a good idea to place a plastic sheet or other cover between the sections.



# Check out some Pitsco race systems for your FasTrak!

## IMPULSE G3 RACE SYSTEM

Get the green light with the Impulse G3 Race System. Redesigned to be more economical, it still delivers excellent performance, stability, and durability to CO<sub>2</sub> dragster and other racing activities. Here's what it brings to the track:

- State-of-the-art electronics
- Easy transition from floor to track
- Durable construction
- Christmas tree lights to signal the launch – these lights have been reprogrammed with a random sequence to maintain a level playing field for students both experienced and new to model racing.

Surface-mounted electronics bring higher quality and consistent performance to the table. The start and finish gates can take a beating with their high-density polyethylene (HDPE) construction. Plus, moving them from the track (sold separately) to the included floor racing setup is as easy as pulling out eight pins. And our launch pods have a vertical range that fits almost any CO<sub>2</sub> car as well as more mass for extra stability. The Impulse G3 offers versatility with two race modes: auto and manual.

**38023**



## EZ START RACEWAY

Get the green light to race CO<sub>2</sub> dragsters – even with a budget on the brakes. The EZ Start Raceway is designed to make dragster activities easy and affordable. It comes with the EZ Start Gate and EZ Finish Gate, floor anchors, monofilament line, track hardware, detectors, and a power adapter.

Lining up cars and launching them with the Start Gate is a simple operation, and the Finish Gate indicates the winner with a blinking light.

The system works on a floor track or the FasTrak elevated race track, sold separately. It is made of durable, high-density polyethylene (HDPE) to last for years.

**33135 – EZ Start Raceway (both gates)**

**33133 – EZ Start Gate only**

**33134 – EZ Finish Gate only**

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