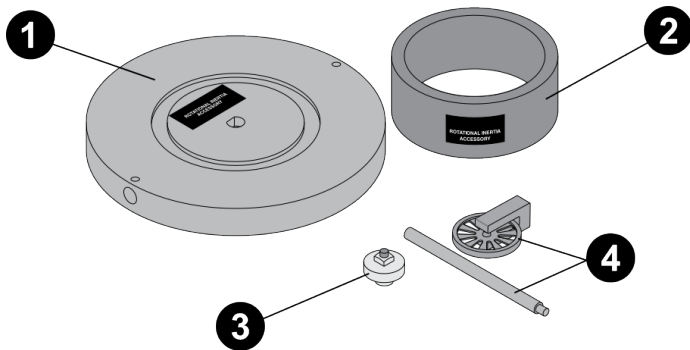


# Rotational Inertia Accessory (ME-8953)



## Components:

- 1 Rotational disk
- 2 Mass ring
- 3 Rotating platform adapter
- 4 10-spoke pulley and rod
- 5 Hex key (1/8", not pictured)

## Required Equipment:

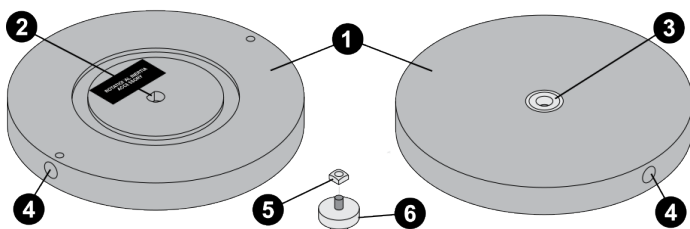
- Rotating Platform (ME-8951)

## Introduction

The ME-8953 Rotational Inertia Accessory allows you to perform rotational inertia and angular momentum experiments. It includes a disk which can be mounted to the rotating base in a variety of positions and at a wide range of radii.

This accessory requires the ME-8951 Rotating Platform to operate. See the manual for the ME-8950A Complete Rotational System for an experiment guide.

## Features



- 1 Rotational disk
- 2 "D" hole on top surface of rotational disk
- 3 Bearing of rotational disk
- 4 "D" hole on edge of rotational disk (2)
- 5 Square nut
- 6 Platform adapter

## Rotational Inertia Accessory assembly

The rotational disk can either be placed directly onto the axle of the rotating base or be used with the rotating platform via the included platform adapter.

After placing the rotational disk on the axle of the rotating base, use the included hex key to tighten the set screw until snug.

## Platform adapter assembly

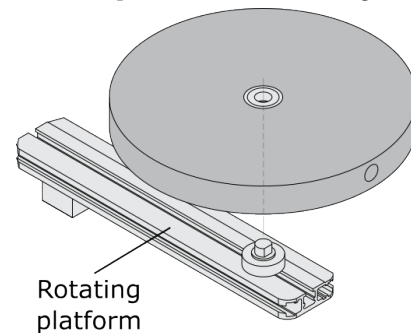


Figure 1. Connecting the Rotational Inertia Accessory to the rotating platform using the Platform Adapter

1. Attach the square nut to the platform adapter.
2. Slide the square nut into the track of the rotating platform, positioning the platform adapter at the desired radius, as shown in Figure 1.
3. Grip the ridged edge of the platform adapter and tighten.

The rotational disk can be mounted in a variety of positions, using any of the four holes on the disk:

- The edge of the disk has two "D" holes, located 180° apart from one another.
- One "D" hole is located at the center of the disk, on the top surface (the surface featuring the PASCO label and a channel for the metal ring).
- One hole is located at the center of the bottom surface of the disk and is actually the inner race of a bearing. This enables the disk to rotate in either direction, in addition to other rotating motions applied to your experiment setup.

## Specifications

Visit the product page at [pasco.com/product/ME-8953](http://pasco.com/product/ME-8953) to view the specifications. You can also download support documents from the product page.

## Technical support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to answer your questions or walk you through any issues.

- ☐ Chat      [pasco.com](https://www.pasco.com)
- 📞 Phone      1-800-772-8700 x1004 (USA)  
                  +1 916 462 8384 (outside USA)
- ✉ Email      [support@pasco.com](mailto:support@pasco.com)

## Regulatory information

### Limited warranty

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

### Copyright

This document is copyrighted with all rights reserved. Permission is granted to non-profit educational institutions for reproduction of any part of this manual, providing the reproductions are used only in their laboratories and classrooms, and are not sold for profit. Reproduction under any other circumstances, without the written consent of PASCO scientific, is prohibited.

### Trademarks

PASCO and PASCO scientific are trademarks or registered trademarks of PASCO scientific, in the United States and in other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of, their respective owners. For more information visit [www.pasco.com/legal](https://www.pasco.com/legal).