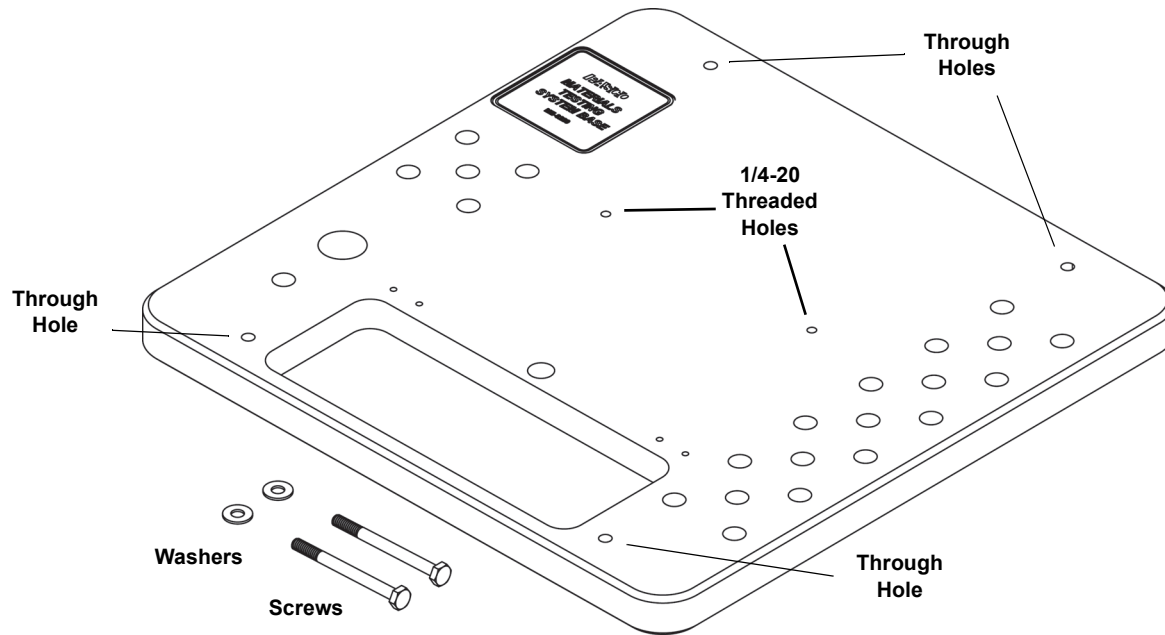


Materials Storage Base

ME-8229

For Use with the Materials Testing Machine (ME-8236)



Included Items
Materials Storage Base
1/4-20 x 3 inch hexagonal screw (2)
5/8 inch washer (2)

Recommended Items*
Materials Testing System (ME-8230)
Materials Testing System Accessories*
PASCO Data Collection System
C Clamps (SE-7285, six pack)

*See the PASCO catalog or web site at WWW.PASCO.COM

Introduction

The Materials Storage Base is designed to work with the PASCO Materials Testing Machine (ME-8236), part of the

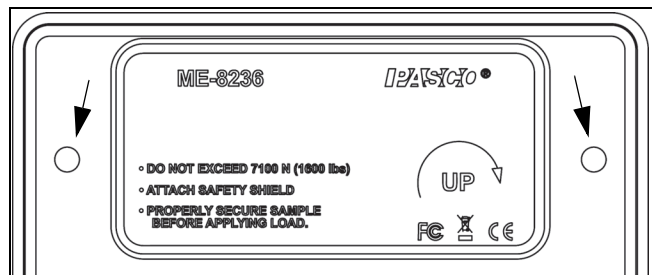
Comprehensive Materials Testing System (ME-8244). The Materials Testing Machine is a device for measuring force and displacement for various materials as the materials are stretched, compressed, sheared, or bent. The Materials Testing Machine has a built-in load cell (strain gauge transducer) capable of measuring up to 7100 newtons (N) of force (1600 pounds), and an optical encoder module that measures displacement of the load bar. Force data from the load cell and displacement data from the encoder module can be recorded, displayed, and analyzed through a PASCO Interface with PASCO Data Collection Software. The sensor cable from the Materials Testing Machine connects to a PASPORT interface such as the PS-2100A USB Link (not included).

Materials Storage Base (ME-8229)

The Materials Testing System Storage Base is designed for two purposes: provide a sturdy base to which the Materials Testing Machine can be bolted, and serve as a storage place for accessories, tools, and other items in the Comprehensive Materials Testing System.

Bolting the Materials Testing Machine to a sturdy surface will avoid the problem of the Machine moving during a sample test. There are two holes through the base of the Materials Testing Machine that can be used for bolting the Machine to the Storage Base. The two 1/4 inch (6 millimeter) diame-

ter holes are 15 centimeters (6 inches) apart; one on either side of the label.



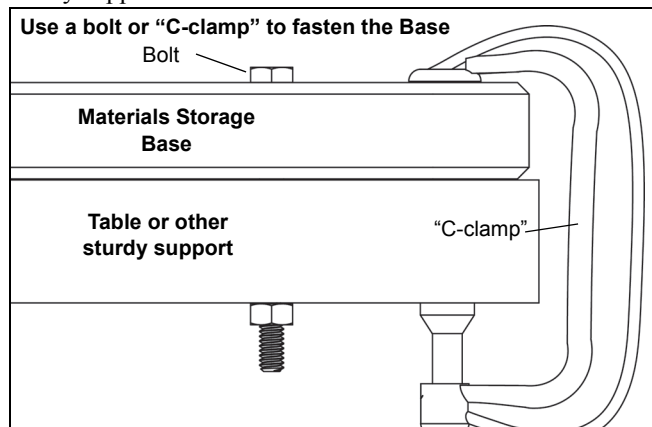
Setup

The Storage Base includes two screws and two washers. Place the Materials Testing Machine on the Storage Base. Try to align the two holes in the base of the Machine with the two threaded holes in the Storage Base. Put a washer on each screw, and put the screws through the holes in the base of the Materials Testing Machine. Adjust the position of the Machine as needed until one of the screws is in a threaded hole. Tighten the screw using only your fingers at first. Rotate the position of the Machine, if needed, so that the other screw is in the other threaded hole. Tighten the second screw as you did the first one.

Use a 7/16 inch (11 mm) wrench to tighten the two screws so that they will hold the Machine firmly in place on the Storage Base. CAUTION: Do not over tighten.

The Storage Base has four “through holes” located near the corners of the Base. These 1/4 inch (6 mm) diameter holes can be used if you wish to bolt the Storage Base to a table. (Hardware for bolting the Base to a table is not included.)

Alternately, you can use two or three large “C-clamps” to fasten the Storage Base to the corner of a table or other sturdy support.



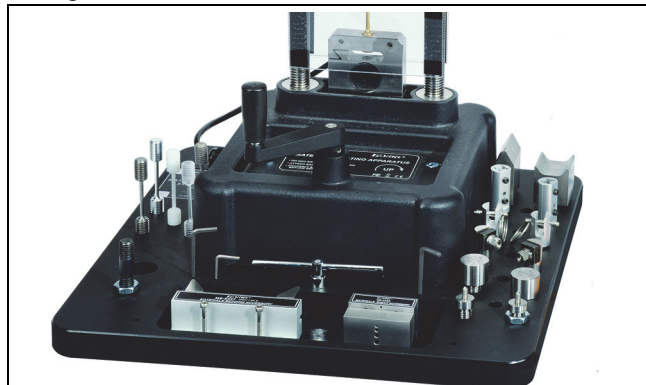
Experiment Guide

NOTE: An Experiment Guide in electronic format for the Materials Testing System is available to download from www.pasco.com.

Enter “Materials Testing System” in the Search window and look for the down-loadable file(s) under “User Resources”.

Other Equipment

Other accessories are available separately for the Material Testing Machine. Please see the PASCO web site at www.pasco.com for more information.



The illustration shows the Materials Testing Machine and the Storage Base with numerous accessories from the Comprehensive Materials Testing System stored on the base.

Technical Support

For assistance with any PASCO product, contact PASCO at:

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Roseville, CA 95747-7100

Phone: +1 916-462-8384 (worldwide)
800-373-0300 (U.S.)

E-mail: support@pasco.com

Web www.pasco.com

For the latest information about the Materials Coupon Adapter, the Materials Testing System, or the replacement items and accessories, go to the PASCO web site at www.pasco.com and enter the model number or the model name in the search window.

Limited Warranty For a description of the product warranty, see the PASCO catalog. **Copyright** The PASCO scientific *Instruction Sheet* 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, PASCO Capstone, PASPORT, SPARK Science Learning System, SPARK SLS, and SPARKvue are trademarks or registered trademarks of PASCO SCIENTIFIC, in the United States and/or in other countries. For more information visit www.pasco.com/legal.