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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Base de prueba uso en Durómetros de Lápiz Tipo C, D, DO PC-477

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Deadweight Test Stands for e2000™ & Pencil Style Durometers



Made In U.S.A.



Model 476 Deadweight Test Stand for ASTM Type A, B, & O Pencil Style Durometers shown above (durometer not included with stand)

- *ASTM D2240 Type 1 Specimen to Indentor*
- *ASTM Types A, B, C, D, DO, E & O*
- *Self Aligning Table*
- *Increases Repeatability*
- *Simplifies Hardness Testing*
- *Mounts to PTC® e2000™ and Pencil Style Durometers*

Precision engineered durometer stands have a calibrated deadweight to provide the ASTM D2240 recommended force for Types A, B, C, D, DO, E and O. When properly used this stand and your durometer will make highly accurate hardness readings.

Applies sufficient weight to assure firm contact between the pressor foot and the specimen avoiding hand held fatigue.

The support table is self-aligning for use with non-parallel material.

Style & ASTM Type

Pencil A, B, E & O

Pencil C, D, & DO

e2000™ A, B, E & O

e2000™ C, D, & DO

Stand

476 (1 kg weight)

477 (5 kg weight)

478 (1 kg weight)

479 (5 kg weight)

Deadweight Stand Specifications

Maximum sample height.....6 in. (15.2 cm).

Test Stand Height17 in. (43 cm).

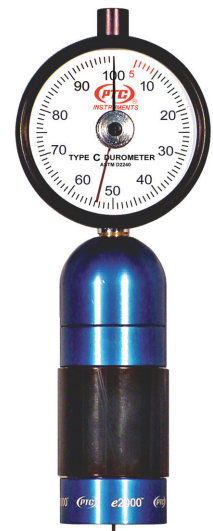
Shipping weight:

Model 476 & 478.....13 lb. (5.9 kg).

Model 477 & 479.....21 lb. (9.5 kg).



Pencil Durometer



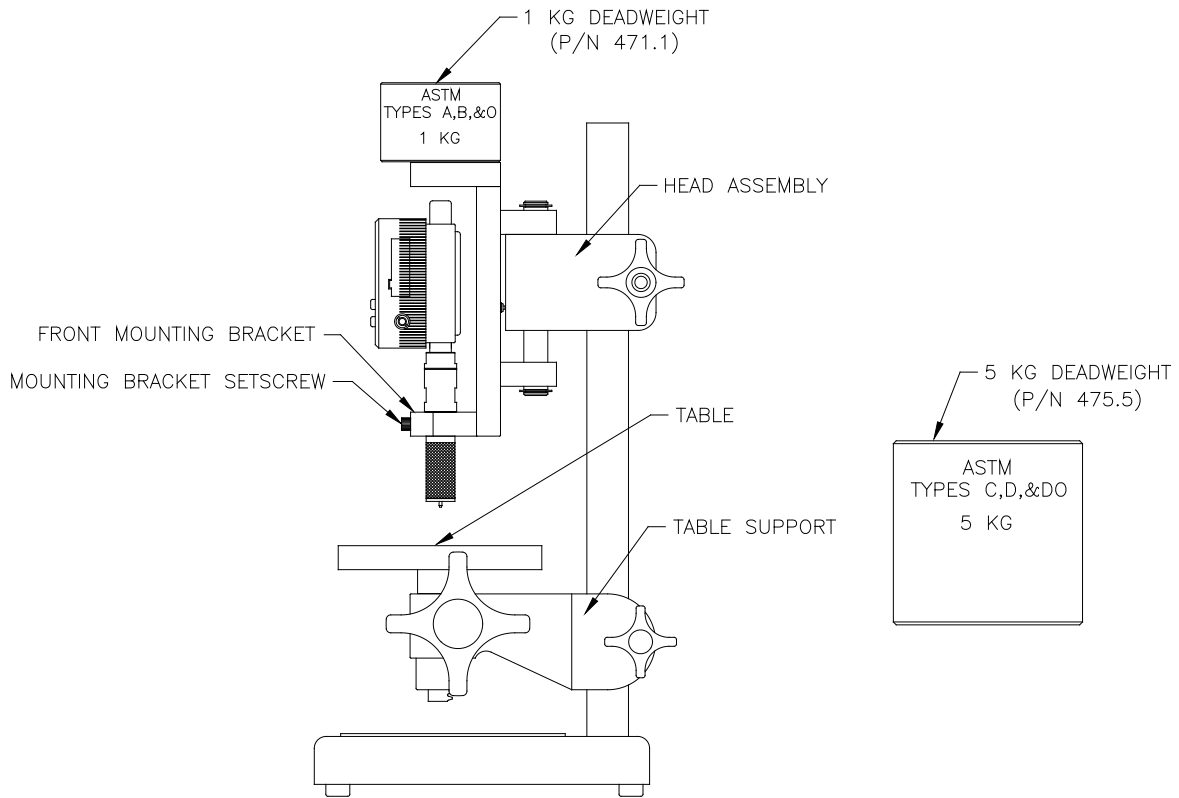
e2000™ Durometer

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DUROMETER TEST STAND 476, 477, 478, & 479 SET-UP INSTRUCTIONS



Set up and operating instructions for Test Stands 476, 477, 478, 479 Specimen to Indentor Type 1

Please read completely before operating your stand.

After carefully unpacking the unit, place the stand upright on desk or bench.

The model 476 and 477 are for Pencil Style Durometers.

Note: Always keep a small rubber or soft plastic block below the indenter to protect the tip from contacting the support table directly. If the Type C or D indenter makes contact damage may occur.

Using the rear knob adjust the height of the upper assembly near the top of the support rod. Please be careful as the assembly is heavy. Tighten the rear knob to secure the head assembly in place.

Use the included hex key to loosen the front mounting bracket thumb screw and swing

open the front mounting bracket. Insert the Pencil Style Durometer so that the lower edge of the barrel adapter is resting on the top surface of mounting bracket and close the front mounting bracket. Turn the thumb screw to secure durometer in place and then tighten with the hex key.

Place the appropriate weight on the 1/8 inch shaft at the top of the stand.

For ASTM types A, B, E or O, use the 1 kg deadweight.

For ASTM types C, D, or DO, use the 5 kg deadweight.

The durometer pressor foot can be set parallel to the support table or used in the self-aligning mode for measuring non-parallel material. Make 5 readings and average the test results. Please call tech support for instructions and guidelines.

The model 478 and 479 stands are for the e2000 Series Durometers.

Use the included hex key, to loosen the front mounting bracket thumb screws and remove the front mounting bracket. Insert the e2000 Style Durometer so the top of the rubber grip is just below the bottom of the mounting bracket and replace the front mounting bracket. Turn the thumb screws to secure the durometer in place and then tighten with the hex key.

Adjust the head and/or table support so that the durometer is located directly along the centerline of the table. Please note that alignment is critical.

Place the sample to be measured squarely on the movable stage.

Set and lock the stand so that the durometer foot is about 1/4 inch above the sample. Either the table support or head (upper) assembly can be moved up or down as needed a hex key is enclosed.

Place the appropriate weight on the 1/8 inch shaft at the top of the stand.

For ASTM types A, B, E or O, use the 1 kg deadweight.

For ASTM types C, D, or DO, use the 5 kg deadweight.

The stand is now set up and ready to make hardness measurements. When making a measurement, turn knob and lift stage so that sample contacts the durometer base and the durometer & deadweight assembly is lifted slightly. See durometer instructions for additional information on testing and reporting test results.

The durometer pressor foot can be set parallel to the support table or used in the self-aligning mode for non-parallel material. Make 5 readings and average the test results. Please call tech support for instructions and guidelines.

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