

Durometer Operating Stand 472-2



Durometer Stand # 472-2

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

**Durometers for operating stand
472-2**

Analog Pencil Durometers
201A | 201B | 201/O

Digital Pencil Durometers
211A | 211B | 211/O

- **Pneumatic Dampening**
- **ASTM D2240 Type 2 Indentor to Specimen**
- **Simplifies Hardness Testing**
- **Locking or Self-Leveling Table**
- **Adjustable Rate of Descent**
- **Increases Repeatability**

Precision engineered durometer stand has an oil-free air pot to give a smooth, controlled descent. When properly used, this stand and your durometer will make the most accurate hardness readings.

The table can be adjusted and set in place to test materials with nonparallel top and bottom surfaces.

Applies a mass sufficient to overcome the calibrated spring force.

The stand will accept sample materials up to 3" thick. Custom stands are available for larger samples.



Analog Pencil 201A



Digital Pencil 211B

Height 18 in. (46 cm)
Weight 12 lb. (5.4 kg)
Shipping weight 17 lb. (7.7 kg)

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Please Read Completely before operating your Stand.

Model 472-2 Type 2 Stand for Pencil Style Durometer Types A, B, E & O

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

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

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.

Place the durometer in the rear of the mounting bracket and attach the front of the bracket with the thumb screw. Tighten the thumb screw by hand and then secure it with the supplied hex key to lock the durometer in place.

Turn the large knob clockwise, raising the durometer and deadweight, until the shaft locks in place, held by the release lever.

Place the test specimen on support table.

To position the durometer pressor foot: Loosen the rear knob, slowly while supporting the head assembly. Position the durometer pressor foot 1/2" above the test specimen. Tighten the rear knob so that the knob screw is against the flat section of the support rod.

The support table can be locked level by tightening the left and right knobs on the base. The table can also be used in the self-aligning mode to accommodate non-parallel material test specimens.

Hold the large knob with your right hand. Lift the locking lever with your left hand. Release the large knob gently allowing the durometer to descend. The hydraulic speed control will provide a controlled rate of descent. Tapping the table may provide more repeatable readings.

NOTE: The rate of descent has been factory set to make repeatable hardness measurements.

This operating stand conforms to ASTM D2240 Type 2 stand for Durometer Types A, B, E & O. It is capable of applying the indenter to specimen in a manner that minimizes shock.

Type 3 stands which require a maximum rate of descent of 3.2mm/s are only required for Type M durometers.