Deadweight Durometer

Test Stand Model 471

QUALITY MANAGEMENT SYSTEM
ISO 17025
ACCREDITED
LABORATORY

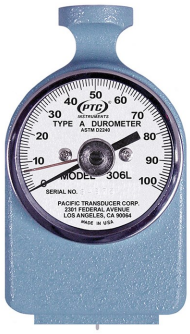
- Simplifies Hardness Testing
- Increases Repeatability
- Self Aligning Table
- Mounts to PTC®'s **Classic & Ergo Style** Durometers
- Compatible with other Top Mount Durometers
- ASTM D2240 Type 1 Specimen to Indenter

PTC® 471 Test Stand is compatible with the following durometers…

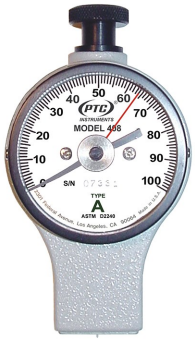
ASTM Type A *(neoprene, EPDM rubber, polyurethane, printing rollers, silicone, white PVC, other similar materials.*
ASTM Type B *(skate wheels, printing platen, rubber, thermo-plastic, and elastomers).*
ASTM Type E *(medium density textile windings, soft rubber, foamed elastomers, wound threads, yarn packages).*
ASTM Type O *(soft printing rollers, nylon, rayon, orlon, art-gume, and textile windings).*

SPECIFICATIONS

Maximum Height Sample	5 in (12.7 cm)
Height	17 in. (43.2 cm)
Width	6 in (15.2 cm)
Depth	6-1/2 in. (16.5 cm)
Deadweight (P/N 471.1)	2.2 lb (1 kg)
Shipping Weight	25 lb. (11.4 kg)



PTC® Classic Style Durometer



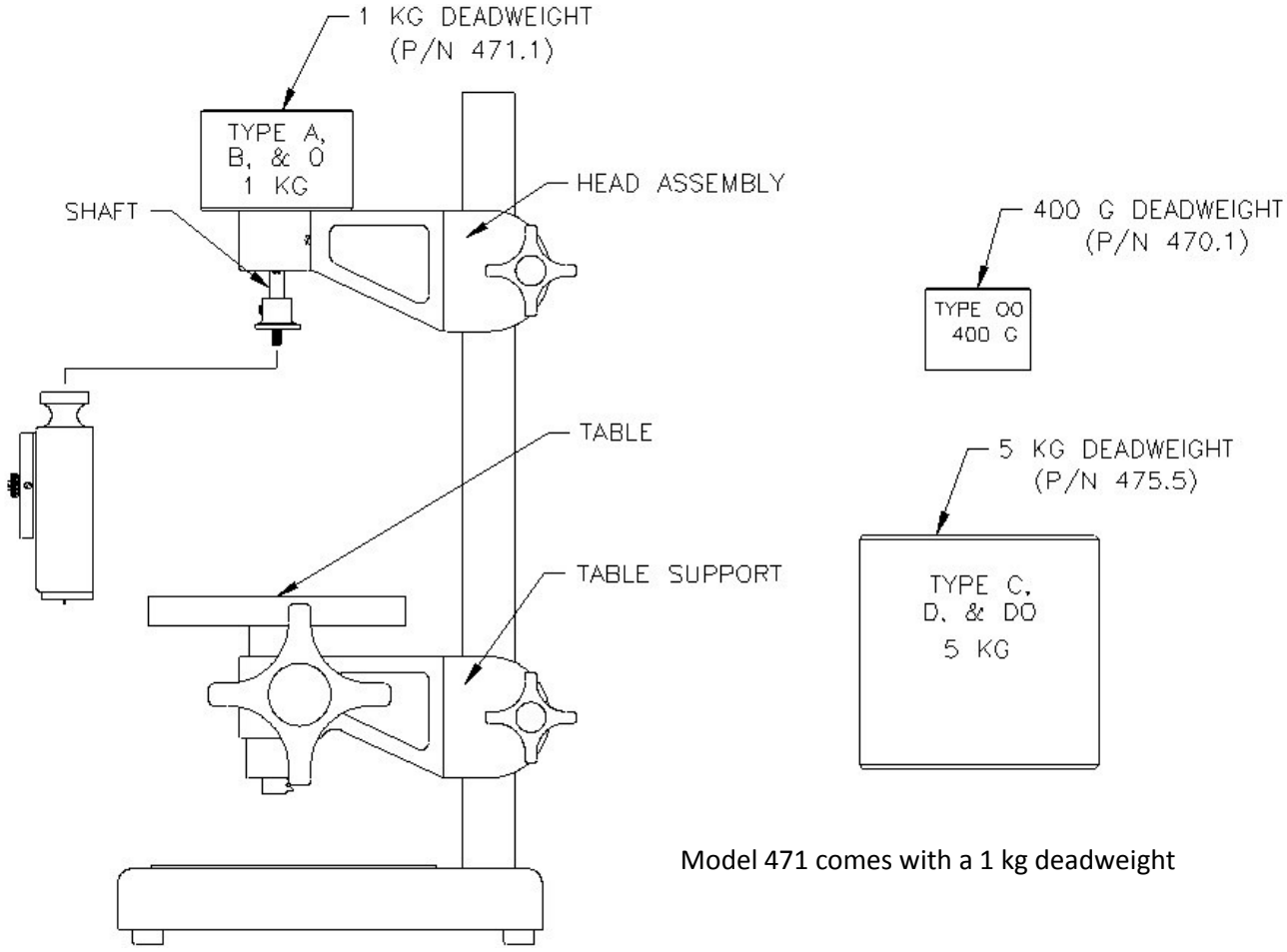
PTC® Ergo Style Durometer

Precision engineered durometer stands are capable of applying the specimen to indenter in a manner that minimizes shock. When properly used, this stand and your durometer will increase repeatable hardness measurements.
The table is self-aligning to allow testing of non-parallel material for increased repeatability. For the most accurate readings, a test stand should be used.
These stands will test materials up to 5" thick. Custom stands are available for larger samples.

- Classic Durometer Model 306L Shore A scale
- Ergo Durometer Model 408A Shore A scale
- Classic Durometer Model 306BL Shore B scale
- Ergo Durometer Model 408B Shore B scale
- Ergo Durometer Model 408E Shore E scale
- Ergo Durometer Model 410 Shore O scale

SET-UP INSTRUCTIONS

Test Stand Model 471



Model 471 comes with a 1 kg deadweight

IMPORTANT PLEASE FOLLOW THESE STEPS IN SETTING UP THIS TEST STAND BEFORE YOU BEGIN TESTING.

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

Mount the durometer to the setscrew (8-32") at the bottom end of the shaft.

Adjust the head and/or table support so that the durometer is located directly along the centerline of the table. Please note that this 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 appropriate weight on the 1/8 inch shaft at the top of the stand. The setscrew fits into the slot machined in the bottom of the weight.

ASTM types A, B, E and O Use a 1 kg deadweight (P/N 471.1 included).

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 load cell just separates or deadweight is lifted. See durometer instructions for additional information on testing.