



Deadweight Durometer

Test Stand Model 470



- Simplifies Hardness Testing
- Increases Repeatability
- Self Aligning Table
- Mounts to PTC®'s Classic & Ergo Style Durometers
- Compatible with other Top Mount Durometers

PTC® 470 Test Stand is compatible with the following durometers...

ASTM Type OO (polyethylene foam roll, sponge rubber, very soft rubber).

ASTM Type OOO (very soft materials, suit foams, sponge rubber, open and closed cells, human & animal tissue).

ASTM Type OOO-S (motorcycle seats, medical pads and wheel chair cushions for pressure ulcer prevention. equestrian pads, gun recoil pads and cool gel mattresses).

ASTM Type SL (Foam & Sponge Rubber)

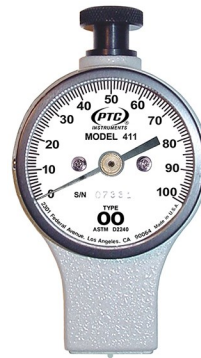
SPECIFICATIONS

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 470.1)	0.89 lb (400 g)
Shipping Weight	25 lb. (11.4 kg)

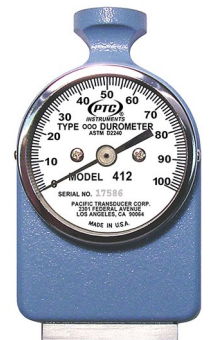
Precision engineered durometer stands are capable of applying the specimen to indenter in a manner that minimizes shock. When properly used, this stand and your durometer will increase repeatable hardness measurements.

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.



PTC® Ergo Durometer
Shore OO Scale Model 411



PTC® Classic Durometer
Shore OOO Scale Model 412



PTC® Classic Durometer Shore
OOO-S Scale Model 303

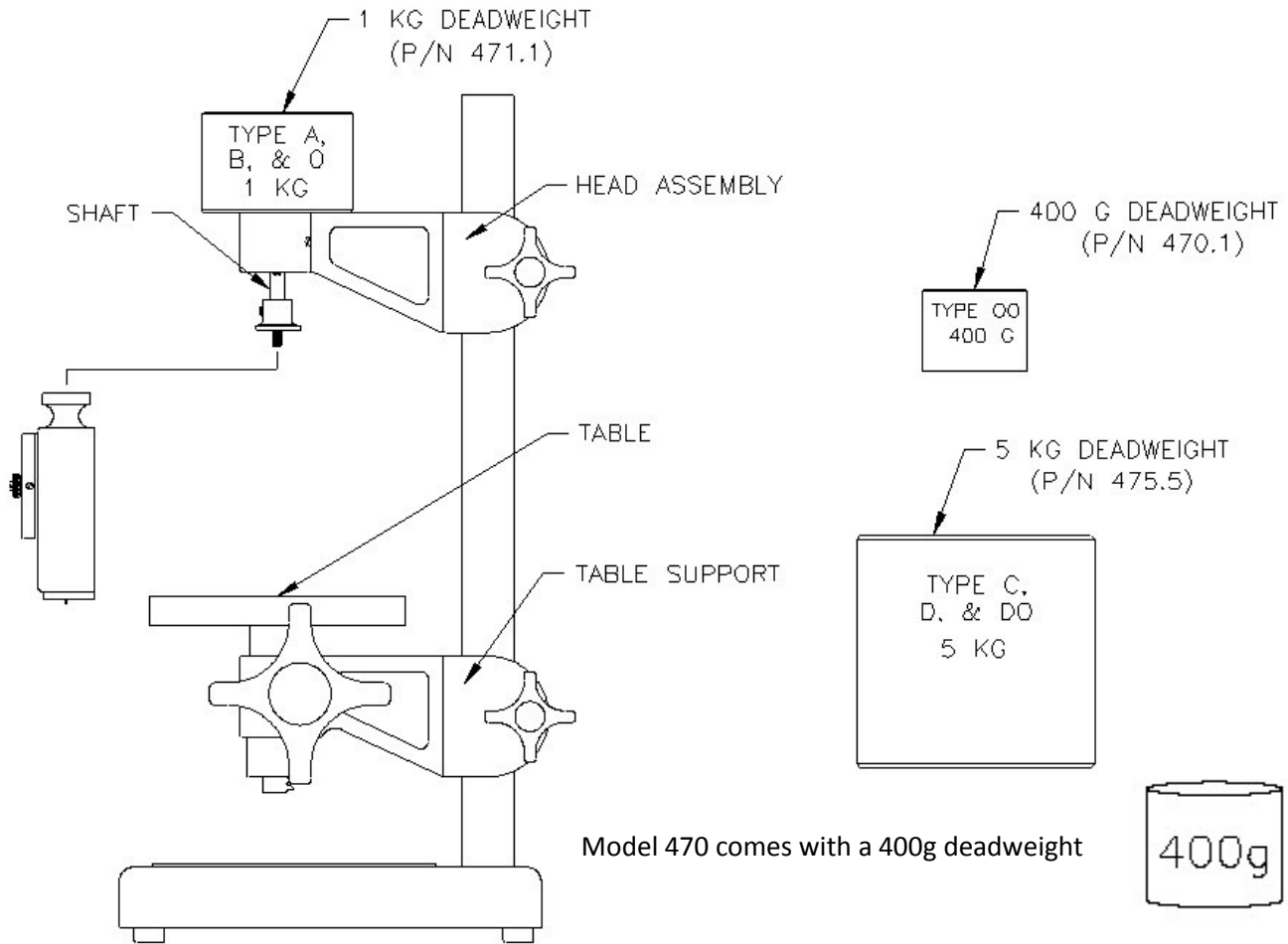


PTC® Classic Durometer Model
302SL



SET-UP INSTRUCTIONS

Test Stand Model 470



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 OO, OOO, or Model 302SL: Use a 400 gram deadweight (P/N 470.1 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.