



- Smooth operation
- Compression and Tension
- 110 lb capacity
- Ergonomic design



LCP—Lever-Operated Test Stand

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The LCP Lever-Operated Test Stand is built to facilitate repetitive testing such as testing springs or other resilient components.

Tension or compression testing

A single gear ratio and a push-pull lever, adjustable to any of eight positions in 45° increments, provide convenient tension and compression testing.

Machined, solid aluminum, moving crosshead on precision rack-and-pinion drive system

Materials chosen for stability and, therefore, stand accuracy.

Adjustable fixture alignment

Adjustable setting of the gauge and baseplate assures perfect fixture alignment and highest levels of accuracy.

Adjustable stop and a fine adjustment thimble

Establish a preset stop for the crosshead during each test.

Specifications

Effective travel, daylight opening:

(With gauge, without fixtures and grips) 6.0 in (152 mm)

Linear travel per revolution: 1.87 in (47.5 mm)

Maximum load: 110 lb - 50 kg - 500 N

Maximum movement of fine adjuster: 0.3 in (8 mm)

Maximum movement of adjustable stop: 6.0 in (152 mm)

Weight: 10 lb (4.5 kg)

Maximum load using extended instrument bracket:

40 lb - 20 kg - 200 N

Optional equipment

Dillon Advanced Force Gauges (AFG) – For

compression testing the AFG mounts on the moving crosshead. For tension testing it mounts to the fixed crosshead, and an optional **tension block** binds the sample to the moving crosshead.

Extended instrument brackets – They raise the gauge by

2.75 inches (70 mm) without having the columns extended.

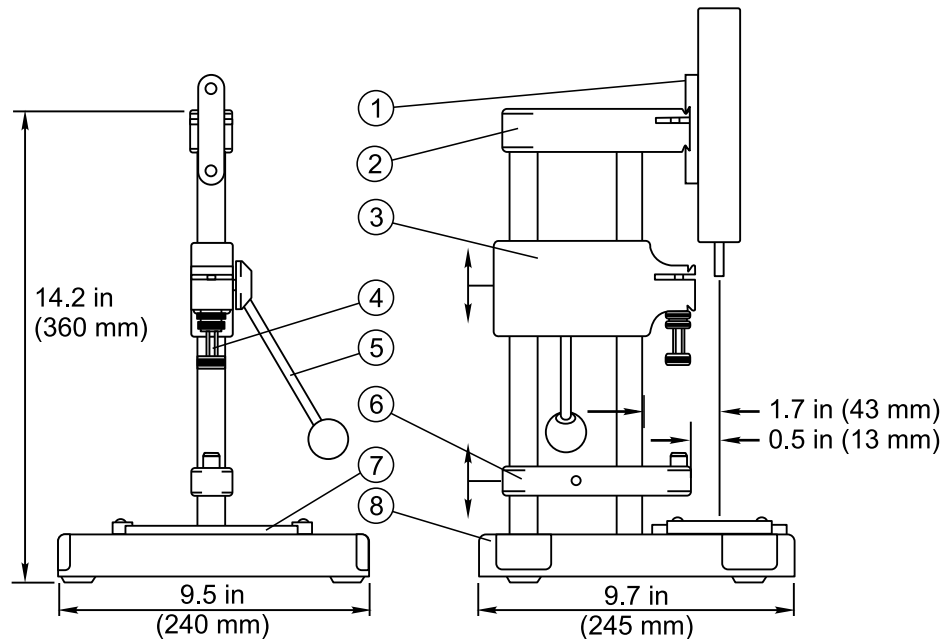
Digital height scales – Provide visual indication of the

crosshead deflection in either inches or millimeters. All LCP stands are supplied with the necessary holes machined in the stand components for later installation of a height scale.

NOTE: See *Mitutoyo Height Scale Specification Sheet (Bulletin #270.0)* for more information.

Parts list and dimensions

- | | |
|--|-------------------------------------|
| ① Dovetail mounting block for mounting AFG | ⑤ Handle |
| ② Fixed crosshead | ⑥ Adjustable stop |
| ③ Adjustable crosshead | ⑦ Base plate with $10/32$ " threads |
| ④ Fine adjustment thimble | ⑧ Base casting |



Dillon

A division of Weigh-Tronix Inc.
1000 Armstrong Dr.
Fairmont, MN 56031 USA
Telephone: 507-238-4461
Facsimile: 507-238-8258
e-mail: dillon@weigh-tronix.com
www.quantrol.com

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