



Figure 7 - Base Test - Static

7 Base Test - Static (See Figure 7)

7.1 Applicability

The test shall be performed on all pedestal bases.

7.2 Purpose of Test

The purpose of this test is to evaluate the ability of a pedestal base to withstand excessive vertical forces.

7.3 Test Setup

- a) Remove the glides or casters (caster sockets may remain in place), and replace with blocks or supports. Caster stems are recommended for support. The blocks or supports shall be of sufficient height to prevent the center column and/or legs from touching the test platform during the test. Remove the seat support mechanism(s) and height adjustment mechanism (if applicable) from the base. Apply the load to the vertical support column, or test fixture that simulates the taper/base interface. (See Figure 7).
- b) The base legs shall be allowed to move laterally and the center of the base to move vertically as the force is applied. The blocks or supports shall support the base in a manner and location similar to the original casters/glides and shall not impede the deflection and/or lateral motion during the test. Blocks or supports shall not lessen the severity of the test.

7.4 Test Procedures

- a) A force of 11,120 N (2,500 lbf.) shall be applied for one (1) minute.
- b) Remove the force.
- c) Apply a second force of 11,120 N (2,500 lbf.) for one (1) minute.
- d) Remove the load and evaluate the product in accordance with the acceptance level in Section 7.5.

7.5 Acceptance Level

There shall be no sudden and major change in the structural integrity of the base. The center column may not touch the test platform during the load applications.