

**BenchPro
(Test Report)**

BSI

*The European Standard EN 13150:2001
has the status of a British Standard.*

**Workbenches for laboratories – Dimensions, Safety requirements and test methods.*

Date: JULY-02-2013__ TO JULY 09-2013

Type Workbenches:

B.4 –VERTICAL FATIGUE TEST

30x60 K series workbench.

Test Workbenches:

***Anex A (normative)**

- Horizontal Static Load
- Vertical Static Load
- Sustained Vertical Load if Required
- Deflection of Workbench Shelves
- Horizontal Impact Stability
- Vertical Load Stability
- Drop

***Anex B (informative)**

- Vertical Impacted Fatigue Test
- Horizontal Fatigue Test
- Vertical Impact Test

Applicability:

CAN BE USED FOR ALL TYPES OF WORKBENCHES

Purpose of the test: Evaluate the ability of the workbenches to withstand fatigue stresses and wear caused by vertical forces on the workbench top.

Test Setup: Table B.1. Vertical Fatigue

Parameter: Force=300 newtons...=5 bar, (72.5 PSI – lb/plg²),

Value = 20,000 Cycles.....

Test Procedures

Apply the selected vertical downward force table B.1.(force = 300 N, Cycles=20,000), to the top at the most adverse position 100 mm from the top edge of the workbench, the loading pad centre being at 100 mm from the workbench top edge. Maintain the force for at least 2 seconds. Remove it for 2 seconds before the next application. Carry out the number of selected cycles as given in table B.1.

OPINION, Acceptable Level:

The goal test was pass with 20,000 cycles alternatively and load force 300 newtons, and the test was continued 10,000 more cycles without any problems. After test the frame ,legs, and top after the test are on good conditions.

Pass	X
Video	X
Photo	X