**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.*

Test Name: B.5 Vertical Impact Test

Start Date: 07/23/13

End Date: 07/24/13

**Type Workbenches:**

K- Series Workbench 30” X 60”

**Test Workbenches:**
***Anex A (normative)**

☐ Drop test

**Applicability:**
Can be used for all types of workbenches.

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**Purpose of test.**

The purpose of this test is to check the strength and functionality of the workbench.

**Test Setup:**

Cilindrical body, diameter= 200 mm

Mass =25 +/- 0.1 kg.

Drop Height in mm = 150/200/300.

Value = 10 Times.

**Test Procedures**

B.2.1.- Cylindrical body, approximately 200 mm in diameter, separated from the striking surface by helical compression springs and free to move relative to it on a line perpendicular to the central area of the striking surface. The body and associated parts minus the springs shall have a mass of (170+/- .01)kg. and the whole apparatus, including body, springs, and striking surface, shall have a mass of (25 +/- 0.1) kg.

Allow the vertical impactor (B.2.1), to fall freely from the selected height , table B.1 (Drop height in mm = 150/200/300) onto the work surface, at the following positions:

10 times as close as possible to one point of support of the work surface but not less than 100 mm from any edges.

10 times 100 mm from the edge at the centre of the longest span.

10 times 100 mm from the edges at one corner.

NOTE: For different geometries, the “centre of the edge of the longest span” is appoint 100 mm from the edge of the work surface as far away from the supports as possible.

Results:

Measurements Before tests.

| Points | A | B |
|---|---|---|
| Measure (in.) | 26 1/8 | 26 |

Measurements After tests.

| Points | A | B |
|---|---|---|
| Measure (in.) | 26.0 | 25.8 |

Difference= 3.1 mm.

**Conclusion,** Acceptable level,

After testing the workbench did not lose their functionality.

| | |
|---|---|
| **Pass** | **X** |
| **Photo** | **x** |
| **Video** | **X** |