

**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: A.3.5. Horizontal impact stability test of free standing workbenches.

Start Date: 06/24/13

End Date: 06/25/13

**Type Workbenches:**

K- Series Workbench 30" X 60"

**Applicability:**

Can be used for all types of workbenches.

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**Test Setup:**

Pressure = 74 +/- 5 Kpa.

Load= 50 kg (110 lb.), Drop height = 40 mm (1.5 in.)

**Purpose of test:**

This test is to check the workbench stability when being hit or pushed with a horizontal impact device.

**Test Procedures:**

Position the workbench on the floor with the stops against the legs furthest from the position of impact the workbench using the horizontal impactor ( see A.2.3) falling the height specified in Table 3 (Drop height =40 mm, mass = 50 kg., ), so that the impactor strikes the top edge of the workbench at the position likely to have the most adverse effect.

A.2.3.- horizontal impact device , consisting of a basketball inflated to a pressure of (74.5 +/- 5) KPa ; and attached by a network of elastic retaining straps to an annular seating. The ball mounting shall consist of a ring of timber (or timber derivative) having an outside diameter of 150 mm and an inside diameter of 90 mm. its rear face shall be attached to the main body of the impactor and its front face shaped to fit the ball.

The main body of the impactor shall consist of a mass supported by cords or flexible wires 850 mm long so that the longitudinal axis of the ball, mounting ring and main body assembly shall remain horizontal when the support cords are displaced from the vertical. The main body of the impactor shall be of such a mass that the total mass of all moving parts, excluding the support cords shall be 50 kg.

**Conclusion,** Acceptable level,

After the horizontal impact stability test, there wasn't affected the stability of any parts of workbench; we found that all the workbench parts are in good conditions, legs, frame and top.

<b>Pass</b>	<b>X</b>
<b>photo</b>	<b>x</b>
<b>Video</b>	<b>X</b>