

**Product Name :**  
Helmets Retention Tester

**Product Code :**  
HELMET SUK-AS03LAB001



**Description :**

Helmets Retention Tester

**Technical Specification :**

The arrangement for dynamic test of retention system consists of a stand to hold the helmet by its shell from a hook connected to a screw to raise or lower it. The helmet is mounted over a head-form with initial loading device cum guiding system. A mass of specified weight is allowed to fall on the anvil of the loading device from a specified height. The mass is lifted with the help of a handle and chain arrangement and is held by a catch at the specified height. For dropping the mass, the catch is released and mass drops guided on a rod. The displacement of retention system is measured on a vertical scale.

To conduct the retention test, the helmet is positioned on a head-form placed on a platform rigidly fixed on the side of the frame. The initial weight of the guiding system and the height of fall of the mass are adjusted to the specified values.

The apparatus is finished in shore blue matalic painting and bright chrome plating to give it a corrosion resistant

finish.



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