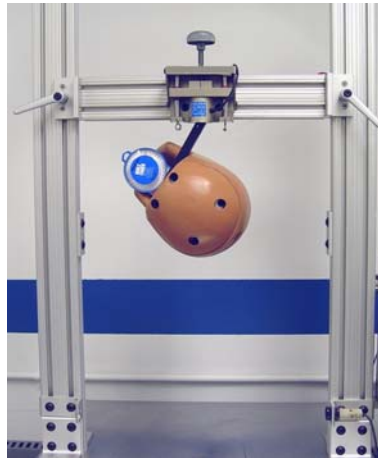
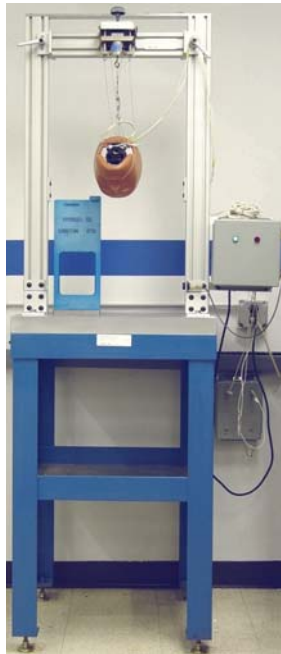




Head Drop Test Stand

Model Number: TF-100-0000



DESCRIPTION

The Head Drop Test is accomplished by suspending the head assembly by a light-weight cable suspension system. An adjustment screw on the release mechanism allows for easy positioning of the head assembly. The head is dropped from a specified height onto a 2-inch thick steel plate.

The release mechanism consists of an electromagnet and a small steel drop plate. The control box for the electromagnet can be powered by 110VAC or 230VAC. An optional infrared emitter and detector can be used as a trigger for a data acquisition system or an event indicator.

The adjustable crossbar allows the electromagnet to be positioned at any height between 6 inches to 34 inches from the impact plate.

The three (3) accelerometers required for the test are not included.

Dimensions	Fixture	Work Area
Length	2.0 ft	5.0 ft
Width	2.7 ft	3.0 ft
Height	6.6 ft	—

INTRODUCTION

The TF-100 Head Drop Test Stand is a complete fixture used for evaluating performance characteristics of the head assembly. Head drop tests are required for the Hybrid III Family, Hybrid II 50th, BioSID, SID/HIII, ES-2 and EuroSID-1. This fixture conforms to the specifications as written in the United States Code of Federal Regulations, Title 49, Part 572.

Standard Equipment

- Welded Steel Lower Frame
- Impact Plate: Part 572 Compliant
- Head Suspension Frame
- Magnetic Release Mechanism
- Mechanical Inclinometer
- Height Gage for the Hybrid III Family
- Bubble Level

Optional Equipment

- Head Suspension Systems are available for the following dummies:
 - *Hybrid III 50th/Hybrid III 95th
 - *Hybrid III 5th/Hybrid III 10 Y.O.
 - *Hybrid III 6 Y.O.
 - *Hybrid III 3 Y.O.
 - *CRABI 12-Month-Old
 - *Hybrid II 50th
 - *SID-HIII/BioSID
 - *EuroSID-1
 - *ES-2
- Hybrid II 50th Head Leveling Tool
- Hybrid II 50th Height Gage
- EuroSID/SID-HIII/BioSID Height Gage
- Infrared Event Switch