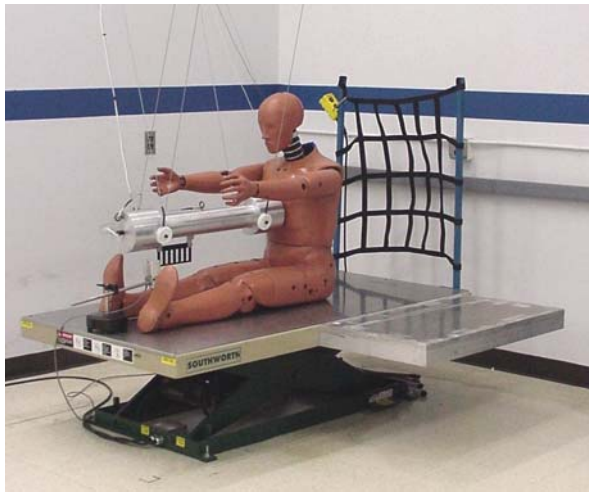




# Thorax Impact Test Stand

Model Number: TF-300-0000



## INTRODUCTION

The Thorax Impact Test Stand is used in the calibration and testing of Hybrid III family, Hybrid II 50th, SA-106C, SA-103C, BioSID, EuroSID-1, ES-2, SID-HIII, SID, SID-IIs and BioRID-II. The Thorax Impact Test Stand conforms to the specifications as written in the United States Code of Federal Regulations, Title 49, Part 572.

## Description

The impact probe is suspended from the structural frame by means of four aircraft grade cables. Two additional cables are attached at the rear of the probe to restrict roll and lateral motion of the probe during the drop. All cables are attached to the probe by means of light-weight sheaves, allowing for rapid installation. Turnbuckles are spliced and swaged into the suspension cables to allow for accurate re-positioning of the probe when necessary.

The one uniaxial accelerometer and chest potentiometer required for this test are not included.

## Standard Equipment

- Structural frame assembly
- Hydraulically assisted lift table with adjustable height and stainless steel top
- Rope hoist with snap release
- Mechanical Pelvic Angle Gage Assembly
- Infrared velocity measurement system
- Dummy restraint net
- Mechanical angle indicator
- Bubble level

## Optional Equipment

- Thorax Impact Adaptation packages 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
  - \* SA-106C
  - \* SA-103C
  - \* SID-HIII
  - \* SID
  - \* SID-IIs
  - \* BioSID
  - \* EuroSID-1
  - \* ES-2
  - \* BioRID-II
- Electric Hoist
- Electro-Mechanical Quick Release
- Rope Hoist with snap release

Dimensions	Fixture	Work Area
Length	19.8 ft	23.0 ft
Width	6.2 ft	9.0 ft
Height	15.0 ft	—

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Revision: 06/19/06