

EuroSID Thorax Certification Test Stand TF-1500-0174

The Humanetics EuroSID Thorax Certification Test Stand is a complete fixture for the calibration and testing of the rib components for the EuroSID-2 and EuroSID-2re dummies. The fixture is designed to test EuroSID rib modules at the velocities specified for certification. Inspection tests for the rib alone and damper tests can also be performed.

Description

The tower is constructed of structural steel tubing with a maximum height of 20.5 ft. Tests are performed by raising the free fall impactor to a specified height. Using an electromagnetic release system, the impactor is released and guided down by two cables.

Once the probe impacts the rib module, a linear potentiometer mounted within the module measures peak deflection.

Two (2) impactors with varying masses are used to perform individual tests. A 7.78 kg impactor is used for rib module and rib alone testing, and a 1.0 kg impactor is used for damper testing.

The rib linear potentiometer is required for the test but is not included.



Standard Equipment

- Welded tower structure
- (2) impactors, 7.78 / 1.0 kg
- Infrared velocity measurement system
- Electromagnetic release
- Mounting brackets for damper and potentiometer
- Rib Module mount plate
- Rope Hoist

Dimensions	Fixture	Work Area
Length	2' 1"	5.0 ft
Width	4.0 ft	5.0 ft
Height	20' 4"	-