

Lumbar Flexion Test Stand TF-600

The Humanetics Lumbar Flexion Test Stand is used to check the flexion rate of the molded rubber lumbar spine assembly of the Hybrid II dummy.

Description

The Lumbar Test Stand is made of a welded steel table with a horizontally mounted pelvis attachment bracket, a push type force gauge, and an angle indicator.

The thorax, lumbar spine, pelvis, and upper legs (excluding the knee) are assembled and positioned onto the table surface. The assembly is mounted using a rear horizontal bracket aligned with the pelvic instrument cavity and two femur link rods.

The magnetic based angle indicator is attached to the thoracic instrument cavity, and the thorax is flexed forward 50 degrees and then rearward as necessary to return it to its initial upright position. The forward force should be applied at a rate of 0.5 degrees to 1.5 degrees per second, recording the loads achieved at 0, 20, 30, and 40 degrees.

Standard Equipment

- Lumbar flexion table with mounting bracket for Hybrid II
- Force gauge
- Mechanical Angle Indicator



Dimensions	Fixture	Work Area
Length	2 ft	6.0 ft
Width	2 ft	4.0 ft
Height	1' 8"	5.0 ft

