

MIL-LX Legs

The MIL-LX (Military Lower Extremity) lower leg is designed as a surrogate for analyzing the effectiveness of Anti-Vehicular Land Mine (AVLM) countermeasures. This advanced design incorporates aspects of both the standard H3-50th lower leg and the THOR-LX leg. It is a straight leg design with energy-absorbing elements, optimized for measurement of vertical forces and accelerations.

Dummy Features

The MIL-LX tibia design aligns the knee pivot, tibia axis, and ankle pivot by incorporating a straight knee clevis and straight ankle.

The tibia compression element is designed to simulate (Post Mortem Human Subject) PMHS response to blast-induced axial loading.

The H3-50th style foot includes an energy-absorbing pad in the heel.

Reinforced lower tibia load cell attachment, with increased stability and strength.

Ankle is designed to be perpendicular to the sole plate of the foot and the ball lowered to closely match the THOR-LX center of ankle rotation.

Includes custom-made lower leg flesh with Velcro® closures.

Pedestrian knee - lower leg attachment blocks for added strength and durability.

Optional instrumentation includes; Model 4509J 5-channel upper tibia load cell, Model 4929J 5-channel lower tibia load cell, 3 tibia accelerometers, and 4 foot accelerometers.

