



The Ballistic Load Sensing Headform (BLSH) was originally developed to evaluate ballistic behind armour effects but can also assess blunt force trauma from a host of generalized head strikes (i.e. falls, vehicle interactions, less-lethal weapons). Injury risk prediction is based on the comparison of skull loading to human fracture tolerance.

The BLSH has an array of seven load sensors located behind the ballistic strike location. During the impact event, shell deformation that bears any load on the headform is recorded by the sensors. Optional headform models are available for front-rear, left?right and crown locations. The V50 of a helmet is first established with a penetration headform which offers proper helmet support and standoff as well as jaw and nape features for attachment of the retention system. The units are economical and suitable for multiple perforations before disposal.

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