



Biokinetics' quasi-static helmet retention tester (HRT-QS) was designed to evaluate the stretch of a retention system at a given load. Up to a 4000 N (900 lbf) of static load can be applied at a controlled rate. Elongation is measured electronically using a linear potentiometer. If the chin strap should break, or the buckle release, the exact force and displacement at the time of failure is recorded. Helmet testing and data reporting is greatly facilitated with use of the Helmet Test Software (HTS) suite.

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