



Biokinetics' static helmet retention tester (HRT-S) was designed specifically to comply with the DOT (FMVSS 218) motorcycle helmet test standard. It is used to verify that a motorcycle helmet's retention system meets a minimum strength requirement without excessive elongation. The test apparatus uses a pneumatic piston to apply the load and a linear potentiometer to measure the displacement of the chin simulator bars relative to the top of the helmet. Helmet testing and data reporting is greatly facilitated with use of the Helmet Test Software (HTS) suite.

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