



Automotive Safety Engineering Pty Ltd

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CLAMP TEST

This test is conducted by gradually applying static force and measuring the deformation of the clamp.

During a clamp test ASE uses a load cell with 5stone capacity and accuracy +/- 1kg. A dial gauge from Mitutoyo with the accuracy +/- 0.01mm. Both of the instruments are calibrated with NATA accredited instruments with calibrating authorities.

The clamps is firmly fitted into the test fixture and the force is applied by using 5000kg hydraulic cylinders.

After each 100kg incensement of force the load is realised and the deformation is measured. Once one of the plastic range is reached and the clamp is not fully recovering the test stop and the previous load is used as a clamp frame capacity.

