INSPEC International Limited
56 Leslie Hough Way
Salford, Greater Manchester
M6 6AJ, United Kingdom

Tel: +44 (0) 16 1737 0699
Email: equipment@inspec-international.com

Retention system strength (increasing load)

Description



An EN960 cut headform is supported on the aluminium framework. The headform position may be adjusted front-to-rear to facilitate alignment with the artificial jaw.

The helmet is placed on the headform. The chinstrap is passed around the artificial jaw.

A linear actuator applies a load to the chinstrap through the artificial jaw to permit testing according to the specific requirements of the standard. The force loading profile can be selected by the user.

The equipment provides results of force and elongation.

There are NO headforms included as standard. Various sizes of headform are available to order (product 3CSRH).

Testing can be performed to loads up to approximately 300N.

Chinstraps resulting in travel of up to approximately 750mm can be tested.

The equipment is encased with clear plastic panels to protect the operator but providing good visibility.

The equipment does not include measurement of chin-strap width.

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Services required

Floor mounted

110/230 volts AC, 50/60Hz, mains electricity

Operating conditions as per the relevant standards listed below.

Storage conditions 5 to 35°C and <85%RH.

Optional items

Headforms of different sizes are available to order (product 3CSRH).

Consumables

None

Approximate dimensions and weight

Height:	180cm
Width:	60cm
Depth:	64cm
Weight:	100kg

Relevant standards

EN 397:2012
EN 812:2012
EN 1080:2013
EN 12492:2012
EN 13087-5:2012
EN 14052:2012
AS/NZS 2512.5.1:2008

Alternative equipment is available for standards (e.g. EN 443) requiring higher loads. Please contact us for details.