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Retention system strength (Dynamic load)

Description:

A three-quarter headform is supported on an aluminium framework. The helmet is mounted on the headform and the chinstrap is secured around an artificial jaw.

The jaw is connected to a guide rod carrying the drop mass. The guide rod and jaw also act as the preload mass.

A release mechanism allows the drop mass to fall, imparting a sudden force to the retention system of the helmet.

A linear transducer is fitted to the guide bar which measures the displacement of the jaw.

The output from the transducer is fed to a data logging system (supplied separately).

A set of headforms, appropriate to the relevant helmet standard, is supplied. Please specify standard(s) when ordering.

Services required:

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

Approximate packed size & weight:

250 x 110 x 110 cm: 70 kg

Relevant standards:

EN 13087-5:2012, clause 5.4

Please contact us for a quotation

Effective July 2015