

Retention system strength (Static load)

Description:

A standard EN 960 half head, size 525, 555 or 585, is supported on an aluminium framework.

The helmet is placed on the headform. The chinstrap is passed around an artificial jaw which is connected to an air cylinder via a force transducer.

By controlling the air pressure to the cylinder, via a pressure regulator, a tensile load is applied to the retention system.

The applied force is displayed on a digital LED indicator. An electrical output from the digital indicator may be fed to a chart recorder (supplied separately).

Services required:

Floor mounted
Compressed air up to a pressure of 6 bar
110/230 volts AC, 50/60Hz, mains electricity

Approximate packed size & weight:

200 x 100 x 90 cm : 70 kg

Relevant standards:

EN 397:2012, clause 6.9.2
EN 443:2008, clause 5.8
EN 813:2012, clause 6.7.2 and figure 3
EN 1080:2002, clause 5.5.1 and figure 4
EN 12492:2012, clause 5.7.2 and figure 3
EN 13087-5:2012, clause 5.2
EN 14052:2012, clause 6.6
AS/NZS 2512.5.1:2008

