

## Helmet-mounted earmuff flexing equipment

### Description

The helmet-mounted earmuff flexing equipment is designed to cycle helmet-mounted earmuff supporting arms in order to simulate donning and doffing. The equipment is designed to test both the flexing and any incorporated stand-by mechanism.

The motion is as described in the standard EN 352-3, which references EN 13819-1:2002.

The initial separation of the plates can be adjusted to suit all types of helmet mounted earmuffs and the maximum separation is easily adjusted up to the required maximum of 200mm.



The flexing speed is switchable to either nominally 11 cycles per minute or 5 cycles per minute (for stand-by mechanism testing) and a pre-determining counter switches the motor off automatically at the completion of the required 1000 cycles.

### Services required

Bench mounted

110/230 volts AC, 50/60Hz, mains electricity (specify requirements when ordering)

### Approximate size & weight

132 (238 open) x 60 x 140cm & 87 kg

### Relevant standards

AS/NZS 1270:2002, clause 3.2.7

EN 352-3:2002, clause 4.3

EN 13819-1:2002, clauses 4.8 and 4.9, and figure 9