



PIA-TEST METHOD-4108E  
17 May 2017

Superseding  
PIA-TEST METHOD-4108D  
26 January 2015

The following commercial specification is adopted from the military document. Revision A included all known accepted revisions, amendments, notices, and Department of Defense (DoD) engineering changes previously developed for this item. Revisions B and forward include changes adopted by DoD and Industry to reflect technology and design evolution.

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## STRENGTH AND ELONGATION, BREAKING; TEXTILE WEBBING, TAPE AND BRAIDED ITEMS

The Parachute Industry Association makes this document available for use by Industry and Government organizations that wish to apply this specification to their products.

### 1. SCOPE

1.1 Scope. This method is intended for determining the breaking strength and elongation of textile webbing, tape and braided items.

### 2. TEST SPECIMEN

2.1 Test Specimen. The specimen shall be a single length of 54 inches (1372mm) and the full width of the material as received.

### 3. NUMBER OF DETERMINATIONS

3.1 Number of determinations. Unless otherwise specified in the procurement document, five specimens shall be tested from each sample unit.

### 4. APPARATUS

4.1 Apparatus. The machine shall consist of three main parts:

- a. Straining mechanism.
- b. Clamps.
- c. Load and elongation recording mechanism(s).

4.1.1 Straining mechanism. A machine wherein the specimen is held by two clamps and subjected to strain by a uniform movement of the pulling clamp.

4.1.1.1 Unless otherwise specified in the procurement document, the machine shall be

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