PIA-TEST METHOD-4108C
21 October 2011

Superseding
PIA-TEST METHOD-4108B
04 May 2007

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.

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