INCH POUND

Parachute Industry Association

COMMERCIAL SPECIFICATION

**PIA-STD-6016B**
15 August 2004

**Revised from**
**PIA-STD-6016A**
29 March 2004

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

Note: Although many military quality and inspection specifications, drawings and standards have been discontinued or deleted, most have been replaced by industry and commercial documents. When the specification refers to a discontinued or deleted document, you should refer to the procurement document or your contracting officer for guidance.

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# STRENGTH AND ELONGATION BREAKING OF CORDAGE; NON-SPLICED SPECIMEN METHOD

The Parachute Industry Association makes this document available for use by the 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 cordage that does not require eye-splices to be tested.

## 2. TEST SPECIMEN

2.1 The specimen shall be a single length of the finished cordage not less than 24 inches (610 mm) long.

## 3. NUMBER OF DETERMINATIONS

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

## 4. APPARATUS AND METHODS CITED

4.1 Apparatus. The apparatus for determining the breaking strength and elongation shall be as described in ASTM D 5034, except that the flat clamps shall be replaced with smooth clamps of spool or drum type and the speed of the machine before the application of load to the specimen shall be 6 ±1 inches per minute (152 ±25mm/min.).