



**PIA-C-87129D**  
20 December 2013

Superseding  
**PIA-C-87129C**  
08 January 2009

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

---

## **CORD, FIBROUS, ARAMID BRAIDED**

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 specification covers braided aramid, intermediate modulus of elasticity coreless cord.

1.2 Classification. The coreless braided cords shall be the Types specified in TABLE I.

### **2. APPLICABLE DOCUMENTS**

2.1 General. The documents listed in this section are specified in Sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of the documents cited in Sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government publications.

2.2.1 Government publications. The following Government publication forms a part of this document.

FEDERAL TRADE COMMISSION (FTC)

16 CFR 303 - Rules and Regulations Under the Textile Fiber Products  
Identification Act

(Copies are available online at: [www.ftc.gov](http://www.ftc.gov) or from the Federal Trade Commission, 600 Pennsylvania Avenue, N.W., Washington, DC 20580-001. Electronic copies may be obtained from [www.access.gpo.gov/](http://www.access.gpo.gov/).)

DISTRIBUTION STATEMENT: All Rights Reserved. No Part of this publication may be reproduced without prior written permission from Parachute Industry Association. Additional copies may be purchased on-line from PIA Specifications and Products at: [www.pia.com](http://www.pia.com).

**Copyright Protected: Do Not Copy!**

2.3 Non-government publications. The following documents form a part of this document.

AMERICAN SOCIETY FOR QUALITY (ASQ)

ANSI/ASQ Z1.4 - Sampling Procedures and Tables for Inspection by Attributes

(Copies are available online at: [www.asq.org](http://www.asq.org) or from the American Society for Quality, 600 North Plankinton Avenue, Milwaukee, WI 53203.)

ASTM INTERNATIONAL (ASTM)

ASTM D 1423 - Standard Test Method for Twist in Yarns by Direct-Counting  
ASTM D 1776 - Standard Practice for Conditioning and Testing Textiles  
ASTM D 1907 - Standard Test Method for Linear Density of Yarn (Yarn Number) by the Skein Method

(Application for copies should be addressed to ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19426-2959. Electronic copies may be obtained from [www.astm.org](http://www.astm.org).)

PARACHUTE INDUSTRY ASSOCIATION (PIA)

PIA-TEST METHOD-4108 STRENGTH AND ELONGATION, BREAKING; TEXTILE WEBBING, TAPE AND BRAIDED ITEMS

(Electronic copies may be obtained from [www.pia.com](http://www.pia.com).)

2.4 Order of precedence. Unless otherwise stated herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

### 3. REQUIREMENTS

3.1 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 4.2).

3.2 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements and promotes economically advantageous life cycle costs.

3.3 Material. The yarn used in the manufacture of the cords shall be a para-aramid,