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The following commercial specification is adopted from the military document. Initial and 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military quality and inspection specifications, drawings and standards have been discontinued or deleted, most have been replaced by industry and commercial documents.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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## **WEBBING, TEXTILE, NYLON TUBE EDGE**

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

### **1. SCOPE**

1.1 Scope. This specification covers one type of nylon webbing used in the manufacture of critical use tubular edge webbing.

2. **CLASSIFICATION**. The nylon tube edge webbing shall be manufactured in a 3/4 inch width.

3. **SALIENT CHARACTERISTICS**. The webbing shall be manufactured from nylon 6,6 on a shuttleless narrow fabric loom.

### **3.1 MATERIALS.**

3.1.1 Yarns. The nylon yarn used in the manufacture of the webbing shall be a bright, high tenacity, light and heat resistant polyamide. Nylon 6,6 with a polyester identification yarns shall be used as specified in the procurement document. The yarn shall not be bleached.

3.1.2 Denier. The nominal size of the warp, fill, lock stitch, manufacturer's and pattern identification yarns shall be as specified in TABLE I.

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3.1.3 Identification Yarn.

3.1.3.1 Pattern Identification. One green pattern identification yarn shall be continuously visible and interwoven in the center of the webbing on one face only. The yarn shall be as specified in TABLE I and shall be an approximate shade match to Green per color chip 14115 of FED-STD-595. The identification yarn shall be woven as detailed in paragraph 3.2.

3.1.3.2 Shuttleless Loom Identification. The webbing shall be woven with a knit edge containing a black lock stitch yarn as shown in FIGURE 1. The yarn shall be as specified in TABLE I.

3.1.3.3 Manufacturer's Identification. Each manufacturer of this webbing shall incorporate, as part of the stuffer yarns, 2 polyester ends dyed to match the shade assigned to that manufacturer in accordance with PIA-STD-1480 (see 6.3). The yarn shall be as specified in TABLE I.

3.1.4 Age. The webbing shall not be more than 3 1/2 years old from the date of manufacture to the date of fabrication of the parachute assembly.

3.1.5 Date of Manufacture. The textile manufacturer shall properly identify the age of the textile materials by placing a tag on the finished goods or label the containers identifying the specification to which the material is manufactured, the lot number and the date of manufacture. The date of manufacture is defined as the last manufacturing process that affects the physical characteristics of the material.

3.2 Weave. The webbing shall be a double plain weave with tubular edges and textured nylon stuffers and woven as shown in FIGURE 2.

3.3 Construction and Physical Properties. The webbing shall conform to the construction and physical properties of TABLE I and II when tested as specified in 4.1.4.3.

3.4 Color. The color of the webbing shall be Yellow per color chip 13655 of FED-STD-595.

3.4.1 Color matching. The dyed webbing shall match color chip 13655 of FED-STD-595 when viewed under filtered tungsten lamp which approximates artificial daylight having a correlated color temperature of  $7500 \pm 200K$ , with illumination of  $100 \pm 20$  foot candles, and shall be a good match to the standard sample under incandescent lamplight at  $2300 \pm 200K$ .

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