



AEROSPACE MATERIAL SPECIFICATION

AMS3796™/3**REV. B**

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Superseding AMS3796/3A

Webbing, Nylon/Polyester, Aircraft Arresting
Center Pick
130,000 Pounds (578 kN)

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. SCOPE:

- 1.1 Form: This specification covers one type of nylon/polyester in the form of webbing.
- 1.2 Application: Primarily for use in land-based aircraft arresting systems.
- 1.3 Classification: Nylon/polyester webbing containing a center pick and having an average breaking strength of 130,000 lb (578 kN).

2. APPLICABLE DOCUMENTS: See AMS 3796.

3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the webbing described herein shall consist of this document and the latest issue of the basic specification, AMS 3796.

3.2 Construction and Properties:

- 3.2.1 Yarn: Shall be as specified in Table I and the following:

3.2.1.1 Fiber Identification: Ground, binder, and stuffer shall be nylon, prepared from hexamethylene diamine and adipic acid, or its derivatives. Filling shall be polyester, identified as polyethylene glycol terephthalate.

3.2.1.2 Melting Point: Shall be not lower than 245°C (475°F).

3.2.1.3 Denier: Shall be 1260 except that of filling fibers shall be 1000 or 1100 as specified in Table I.

- 3.2.2 Webbing: Shall be as specified in Table II and as follows:

3.2.2.1 Weave: Shall be as shown in Fig. 1.