

**AEROSPACE
MATERIAL
SPECIFICATION**

Submitted for recognition as an American National Standard

SAE AMS 3793/8

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**TAPE AND WEBBING, TEXTILE, PARA-ARAMID
Intermediate Modulus**

1-3/4 in. (44 mm), 0.17 to 2.50 oz per yd (5.3 to 77.5 g/m)

1. SCOPE:

- 1.1 Form: This specification covers eleven classes of para-aramid tape and webbing of a single width and with varying weights.
- 1.2 Application: Primarily for use in cargo type parachutes.
- 1.3 Classification: Width of 1-3/4 in. $\pm 1/16$ (44 mm ± 1.5) and eleven weight classes as follows:

| Class | Weight, max | |
|-------|-------------|------|
| | oz per yd | g/m |
| 1 | 0.17 | 5.3 |
| 2 | 0.35 | 10.9 |
| 3 | 0.45 | 14.0 |
| 4 | 0.54 | 16.7 |
| 5 | 0.60 | 18.6 |
| 6 | 0.80 | 24.8 |
| 7 | 1.00 | 31.0 |
| 8 | 1.20 | 37.2 |
| 9 | 1.75 | 54.3 |
| 11 | 2.40 | 74.4 |
| 13 | 2.50 | 77.5 |

2. APPLICABLE DOCUMENTS: See AMS 3793.

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3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the tape and webbing described herein shall consist of this document and the latest issue of the basic specification, AMS 3793.
- 3.2 Properties: Tape and webbing shall conform to the requirements of Table I and the following:
 - 3.2.1 Width: Shall be 1-3/4 in. \pm 1/16 (44 mm \pm 1.5).
 - 3.2.2 Weight: Shall be as specified in 1.3 for the class ordered.
4. QUALITY ASSURANCE PROVISIONS: See AMS 3793.
5. PREPARATION FOR DELIVERY: See AMS 3793.
6. ACKNOWLEDGMENT: See AMS 3793.
7. REJECTIONS: See AMS 3793.
8. NOTES: See AMS 3793.

TABLE I

Properties

| Class | Breaking Strength, min | | Warp | | | Fill | | | Weave |
|-------|------------------------|--------|--------|-----|-----------------|--------|-----|-------------------------|------------------------------|
| | lb | N | Denier | Ply | Total Ends, min | Denier | Ply | Picks per in. (25.4 mm) | |
| | | | | | | | | | |
| 1 | 1,000 | 4,450 | 200 | 1 | 156 | 200 | 1 | 34 | Plain |
| 2 | 1,200 | 5,335 | 200 | 1 | 103 | 1,000 | 1 | 23 | Plain |
| 3 | 2,500 | 11,120 | 1,000 | 1 | 84 | 1,000 | 1 | 16 | Plain |
| 4 | 3,000 | 13,345 | 1,000 | 1 | 96 | 1,000 | 1 | 17 | Plain |
| 5 | 4,000 | 17,790 | 1,000 | 2 | 55 | 1,000 | 1 | 15 | Plain |
| 6 | 4,500 | 20,015 | 1,500 | 2 | 50 | 1,500 | 1 | 17 | Plain |
| 7 | 6,500 | 28,910 | 1,500 | 1 | 140 | 1,500 | 1 | 11 | Plain |
| 8 | 8,000 | 35,585 | 1,500 | 2 | 88 | 1,000 | 1 | 10 | Plain |
| 9 | 10,000 | 44,480 | 1,500 | 2 | 127 | 1,500 | 1 | 12 | 2/2 HBT - Center Reversal |
| 11 | 15,000 | 66,720 | 1,500 | 3 | 121 | 1,500 | 1 | 13 | Double Plain (See Fig. 1) |
| 13 | 20,000 | 88,960 | 1,500 | 3 | 137 | 1,500 | 1 | 9 | Double Plain (See Fig. 1) |