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# AEROSPACE MATERIAL SPECIFICATION

SAE AMS 3793/8

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Submitted for recognition as an American National Standard

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  $\pm$  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
	Tb	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)