

MIL-T-81791(AS)
AMENDMENT 3
~~28 November~~ 1977
SUPERSEDING
AMENDMENT 2
20 May 1976

MILITARY SPECIFICATION

TAPE, TEXTILE, NYLON, LANDBASED
ARRESTING GEAR, 11 INCH

This Amendment forms a part of Military Specification
MIL-T-81791(AS), dated 24 August 1970.

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* 2.1, SPECIFICATIONS (Military):

Delete:

"MIL-B-13239	-Barrier Material, Waterproofed, Flexible, All Temperature
MIL-B-81374	-Barrier Material, Greaseproof, Waterproof, Flexible, High Strength"

Add:

"MIL-B-131	-Barrier Material, Watervaporproof, Flexible, Heat-Sealable"
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2.1, STANDARDS (Military):

Add:

"MIL-STD-1480	-Color Codes for Webbing, Textile; Manufacturers' Identification"
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2.2, delete the following: "U.S. Air Force Specification Bulletin No. 90 Color Codes Manufacturers' Identification, Nylon Webbing

(Application for copies should be addressed to the procuring activity or as directed by the contracting officer.)"

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3.5, line 2: Delete "NAEL(SI)" and substitute "NAEC" and throughout the specification where applicable.

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3.6.1, delete in its entirety and substitute the following:

"3.6.1 Manufacturer's identification. Each manufacturer shall incorporate, as part of the binder warp at the center of the tape, two ends dyed to match the shade assigned to the manufacturer in accordance with MIL-STD-1480. A producer not listed in MIL-STD-1480 shall apply to the Commander, US Army Natick Research and Development Command, Natick, Massachusetts 01760, for assignment of color coding. The color-fastness of this yarn shall be rated as "Fair" or "Good" when tested as specified in 4.7."

4.1, delete and substitute:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements."

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4.6.4.1, delete (a) and (b) and substitute:

- "(a) Yard-by-yard. A one yard unit of each production tape length shall be inspected as specified in 4.7.4.1 and 4.7.4.1.1 at intervals of approximately 40 feet.
- (b) Overall. Each production tape length shall be examined for the defects specified in 4.7.4.2."

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TABLE II: Under "OTHER" column and, opposite "Melting point" and "Denier" tests insert "4.7.3."

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AT the top of page after footnote 5/ notation insert "(See 4.7.3)".

4.7.2.2, delete the entire paragraph and insert the following:

"4.7.2.2 Tape ultimate strength tests. A test specimen, 10 feet long, shall be obtained as described in 4.7.2.3. The specimen shall be load tested."

4.7.2.3, delete the entire paragraph and insert the following:

"4.7.2.3 Method of sampling for breaking strength tests. The first section of tape leaving a loom run shall have a 10 foot specimen removed from the lead end. After this, a 10 foot specimen shall be removed immediately following every other, or alternate, production tape. The rolls of tape must be marked consecutively as they leave the loom, with the 10 foot specimens marked identically with the rolls of tape to which they apply. Test the first 10 foot specimen leaving the loom run and every 10 foot specimen thereafter. The 10 foot specimens are tested as outlined in 4.7.2.2. The test may result in one of the following four possibilities (see Figure 2):"

4.7.2.3.3, lines 4 and 6: Delete "30-foot specimen" and insert "10-foot specimen."

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Figure 2: At the top of page delete both "30 foot specimen" and insert "10-foot specimen."

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4.7.2.3.4, lines 4, 6, and 9: Delete "30-foot specimen" and insert "10-foot specimen."

4.7.3, delete the entire paragraph and insert:

* "4.7.3 Type of nylon, melting point, denier, and filament count. A certificate of compliance shall be submitted from the yarn manufacturer and will be accepted as proof that requirements for type of nylon, melting point, denier, filament count, and bright, high tenacity, light and heat resistant nylon yarn are met. The certificate shall contain verifiable actual test data. If the approximate melting point of the specimens is not known before testing, it shall be determined by a trial run."

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TABLE III, line 8: Delete "of" and insert "or".

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TABLE III, under "Defects" column delete the defects "Mispick, Double pick" along with the entire notation and insert the following:

<u>DEFECTS</u>	<u>DESCRIPTION</u>	<u>CRITICAL</u>	<u>MAJOR</u>	<u>MINOR</u>
Double pick	Two or more across the full width	x		
Mispick	Single across the full width			x

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4.7.4.2, delete and substitute:

"4.7.4.2 Overall examination. Each production tape length shall be examined for the defects listed below. One or more defects shall be cause for rejection of the tape loom run.

Defects

Objectionable odor
Uncleanness
Finish not equal to approved sample (when available)
(see 6.3)
Any rise of 3/8 inch or more in the tape when 50 feet are laid out flat on a smooth, level surface with no vertical pressure applied to the specimen. The first, middle and last 50 ft. sections shall be examined.
Any curvature of 2 inches or more from a straight edge when 50 feet of tape are laid out flat on a smooth, level surface with no waves present. The first, middle and last 50 ft. sections shall be examined.

- * 5.1.2, lines 2 and 3: Delete "MIL-B-81374 or MIL-B-13239, Type B-2, Class 1, Grade A" and substitute "MIL-B-131, Class 1".

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NOTE: The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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