

INCH-POUND

MIL-L-85896(AS)
AMENDMENT 1
14 April 1993

MILITARY SPECIFICATION

LADDER, AIRCRAFT MAINTENANCE, ALUMINUM THREE-WAY COMBINATION
(STEP, STRAIGHT AND EXTENSION),
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-L-85896(AS), dated 8 April 1988, and is approved for use by the Naval Air Systems Command, Department of the Navy and is available for use by all Departments and Agencies of the Department of Defense.

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1.2: Delete and substitute:

"1.2 Classification. Ladders shall be one of the following classes.

	Class			
	I	II	III	IV
Part Number	M85896-1	M85896-2	M85896-3	M85896-4
Storage height (Approximate) Maximum (ft)	4	5	6	7
Stepladder standing height (Approximate) Maximum (ft)	1 to 3	2 to 5	3 to 7	4 to 9
Extended standing height (Approximate) Maximum (ft)	4 to 8	6 to 12	8 to 16	10 to 20
Weight (lbs) (Approximate)	32 ± 2	39 ± 2	45 ± 2	56 ± 2

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3.3.2.1: Delete and substitute:

"3.3.2.1 Stepladder standing height. The standing height range of the ladder in the stepladder configuration (see Figure 5a) shall be those specified in table I."

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3.3.2.2: Delete and substitute:

"3.3.2.2 Extended ladder standing height. The standing height range of the ladder in the extended configuration (see Figure 5b) shall be as specified in table I."

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Add the following table:

TABLE I. Configuration standing heights.

Ladder Configuration	Standing height for part numbers			
	M85896-1	M85896-2	M85896-3	M85896-4
Stepladder configuration	1 to 3 ft ± 0.50	2 to 5 ft ± 0.50	3 to 7 ft ± 0.50	4 to 9 ft ± 0.50
Extended configuration	4 to 8 ft ± 0.50	6 to 12 ft ± 0.50	8 to 16 ft ± 0.50	10 to 20 ft ± 0.50

3.4: Delete and substitute:

"3.4 Weight. The ladder assembly shall not exceed those values shown in table II."

TABLE II. Ladder weights.

	Class			
	I	II	III	IV
Part Number	M85896-1	M85896-2	M85896-3	M85896-4
Weight	32 \pm 2 lbs	39 \pm 2 lbs	45 \pm 2 lbs	56 \pm 2 lbs

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4.3.2: Delete and substitute:

" 4.3.2 Inspection tests. The first article ladder shall be inspected as specified in table III. Presence of one defect shall be cause for rejection."

4.4.4: Delete and substitute:

" 4.4.4 Conformance inspection tests. Samples selected in accordance with 4.4.2 shall be tested as specified in table III."

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Add the following table:

TABLE III. First article and quality conformance inspections sequence.

Sample(s)	Requirement paragraph	Inspection sequence	Test modification
First article	3.1	4.5.2	
	3.7.4	4.5.2.1	
	3.7.4	4.5.2.1.1	
	3.7.4	4.5.2.1.2	
	3.7.4	4.5.2.1.3.	
	3.7.1	4.5.2.2	
	3.7.2	4.5.2.3.1	
	3.7.2	4.5.2.3.2	
	3.7.3	4.5.2.4	
	3.7.5	4.5.2.5	
	3.3.5	4.5.2.6	
	3.3.9	4.5.2.7	
	3.3.8	4.5.2.8	
3.3.7.1	4.5.2.9		
Quality conformance	3.7.2	4.5.2.3.1	Apply a load of 300 pounds
	3.7.2	4.5.2.3.2	Apply a load of 300 pounds
	3.7.5	4.5.2.5	Apply a load of 600 pounds

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4.5.2.3.1, sixth sentence: Delete and substitute:

"The maximum average deflection of both side rails shall not exceed those in table IV."

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Add the following table at the top of the page:

TABLE IV. Extended ladder maximum average vertical deflection.

	Class			
	I	II	III	IV
Part Number	M85896-1	M85896-2	M85896-3	M85896-4
Average deflection (inches)	4.4	7.6	11.6	14.8

Preparing Activity
Navy - AS

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