

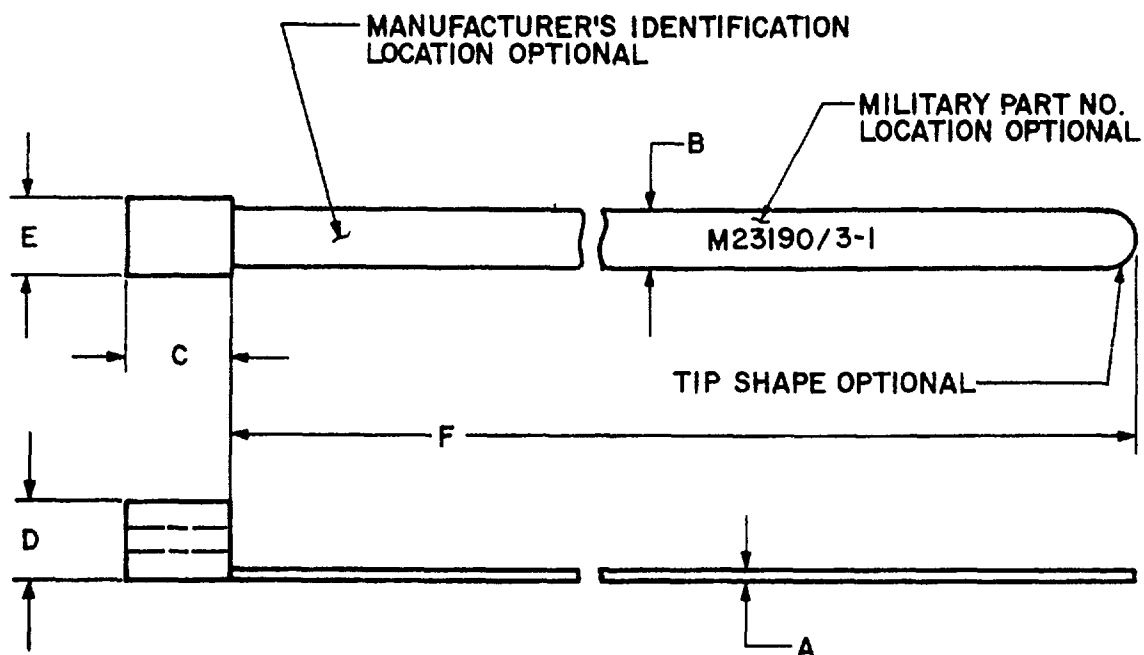
MIL-S-23190/3
28 March 1986

MILITARY SPECIFICATION SHEET

STRAPS, CLAMPS, AND MOUNTING HARDWARE, PLASTIC AND METAL
FOR CABLE HARNESS TYING AND SUPPORT
STRAP, TIE DOWN, ADJUSTABLE, CORROSION RESISTANT STEEL
TYPE VI, CLASS 1

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the strap described herein shall consist of this document and the issue in effect of specification MIL-S-23190.



AMSC N/A

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

FSC 5975

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TABLE I.

Dash Number	Bundle Dia Inch		A Max	B Max	C Max	D Max	E Max	F Min	Min Tensile Strength Lb	Strap Identifi- cation Code (See Note 5)	MS Instal- lation Tool	Tool Tension Setting Range (See Note 4)
	Min	Max										
1	3/4	2	.015	.20	.46	.18	.25	7.0	100	STD (STANDARD)	MS90387-3	1 TO 4
2		4						13.3				
3		6						19.5				
4		8						25.9				
5	1	2	.015	.33	.57	.23	.41	7.0	250	HVV (HEAVY)	MS90387-3	5 TO 8
6		4						13.1				
7		6						19.5				
8		8						25.8				
9		10						32.1				

INCH	mm	INCH	mm	INCH	mm
.015	0.38	.57	14.48	10.00	254.00
.18	4.57	.75	19.05	13.1	332.74
.20	5.08	1.00	25.40	13.3	337.82
.23	5.84	2.00	50.80	19.5	495.30
.25	6.35	4.00	101.40	25.8	655.32
.33	8.38	6.00	152.40	25.9	657.86
.41	10.41	7.00	177.80	32.1	815.34
.46	11.68	8.00	203.20		

REQUIREMENT:

1. Material: Corrosion resistant steel, per Federal Specification QQ-S-766, Class 302/304 or 316.
2. Moisture Conditioning Test: Not required.
3. Temperature Range: -54°C (-65°F) to 300°C (572°F).

NOTES:

1. All dimensions are in inches.
2. Straps shall have no burrs, sharp edges or sharp corners.
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

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4. Tool Tension Settings - The tool tension setting ranges specified in Table I are for typical wire bundle applications. Settings less or greater than the ranges specified may be necessary for special applications.
5. Unit Packaging Marking - The unit package shall have the following typical information marked on the package or contained within the package:

Example

Military Part Number (Class 1 Only)	M23190/3-1
Strap Identification Code	Standard
MS Installation Tool	MS90387-3
Tool Tension Setting Range	1 to 4

6. Example of part number:

Custodians:

Army - CR
 Navy - AS
 Air Force - 85

Preparing Activity:

Navy - AS
 Project No. 5975-0601

Review Activities:

Army - MI, AR
 Navy - EC
 Air Force - 80, 99
 DSA - GS
 DOD - NS

User Activities:

Army - AV, ME
 Navy - SH, OS, MC
 Air Force -