

**REV.
C**

AS23190™/3

RATIONALE

REVISION REQUIRED TO LIST PROCUREMENT SPECIFICATION, CHANGE NOTES TO REQUIREMENTS, AND EDITING AS NEEDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS23190.

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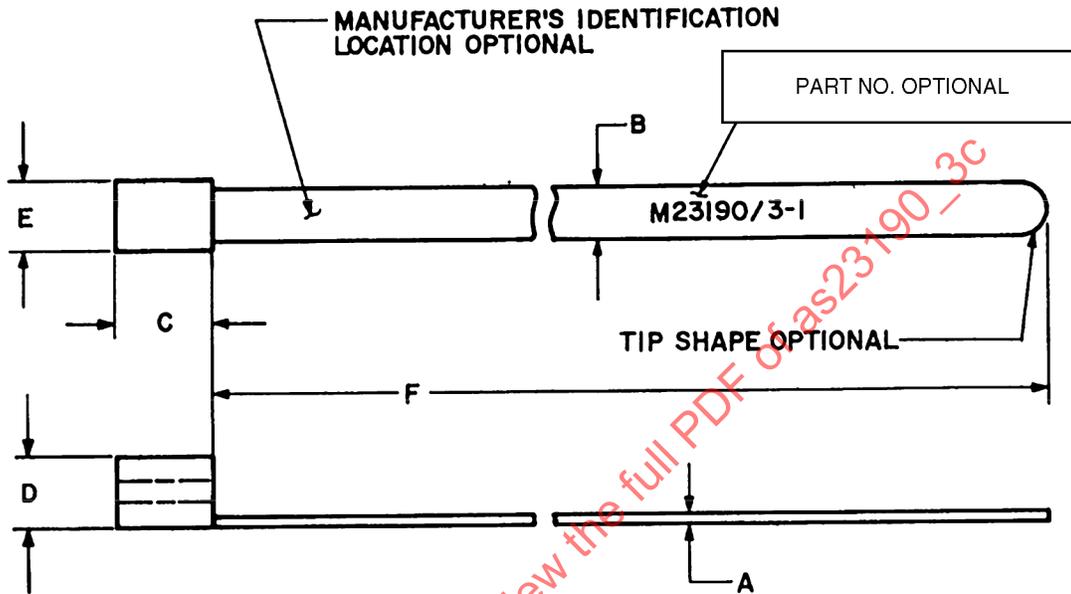
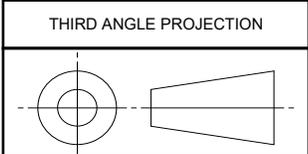


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS23190/3C>



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS23190



AEROSPACE STANDARD

(R) 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

AS23190™/3
SHEET 1 OF 3

**REV.
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ISSUED 1999-05 REAFFIRMED 2013-04 REVISED 2023-12

TABLE 1

Dash Number	Bundle Dia Inch		A Max	B Max	C Max	D Max	E Max	F Min	Min Tensile Strength Lb	Strap Identification Code	MS Installation Tool	Tool Tension Setting Range
	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	HVY (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		

REQUIREMENTS:

1. CONFIGURATION:

STRAPS SHALL BE CONFIGURED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS IN PARENTHESES (TO THE NEAREST 0.01 MM) ARE FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM.

STRAPS SHALL HAVE NO BURRS, SHARP EDGES, OR SHARP CORNERS.

2. MATERIAL:

STRAPS SHALL BE CORROSION-RESISTANT STEEL, PER ASTM A240/A240M AND ASTM A666, CLASS 304 OR 316.

3. TEMPERATURE RANGE: -54 TO 300 °C (-65 TO 572 °F).

4. EXAMPLE OF PART NUMBER:

