

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
C

AS23190™/3

FEDERAL SUPPLY CLASS
5975

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.

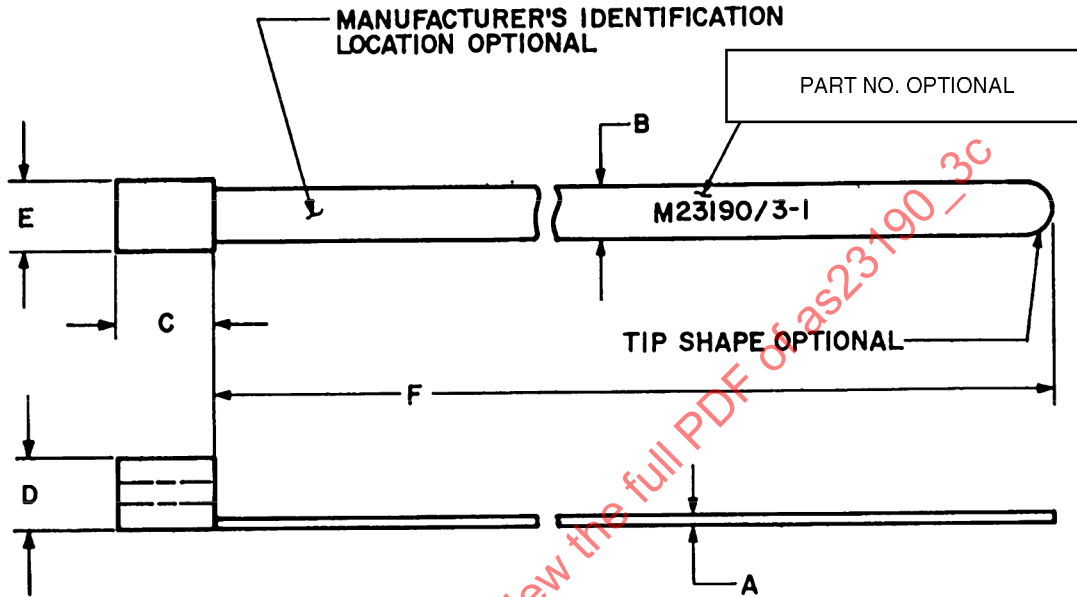
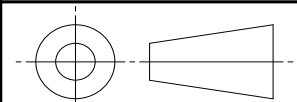


FIGURE 1

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

THIRD ANGLE PROJECTION



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.
C

Copyright © 2023 SAE International
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

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 Identifi- cation Code	MS Instal- lation 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.

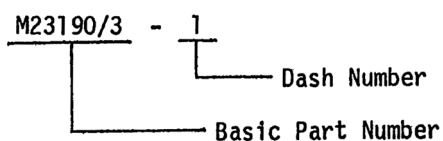
STRAPS SHALL HAVE NO BURRS, SHARP EDGES, OR SHARP CORNERS.

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:



	AEROSPACE STANDARD	AS23190™/3 SHEET 2 OF 3	REV. C
	(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		