

REV.
D

AS90387™

FEDERAL SUPPLY CLASS
5120

RATIONALE

PROVIDE IMPROVED PERFORMANCE AND SIMPLIFY TOOL REPRESENTATION TO ACCOMMODATE ALL TOOLS IN ONE FIGURE.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81306.

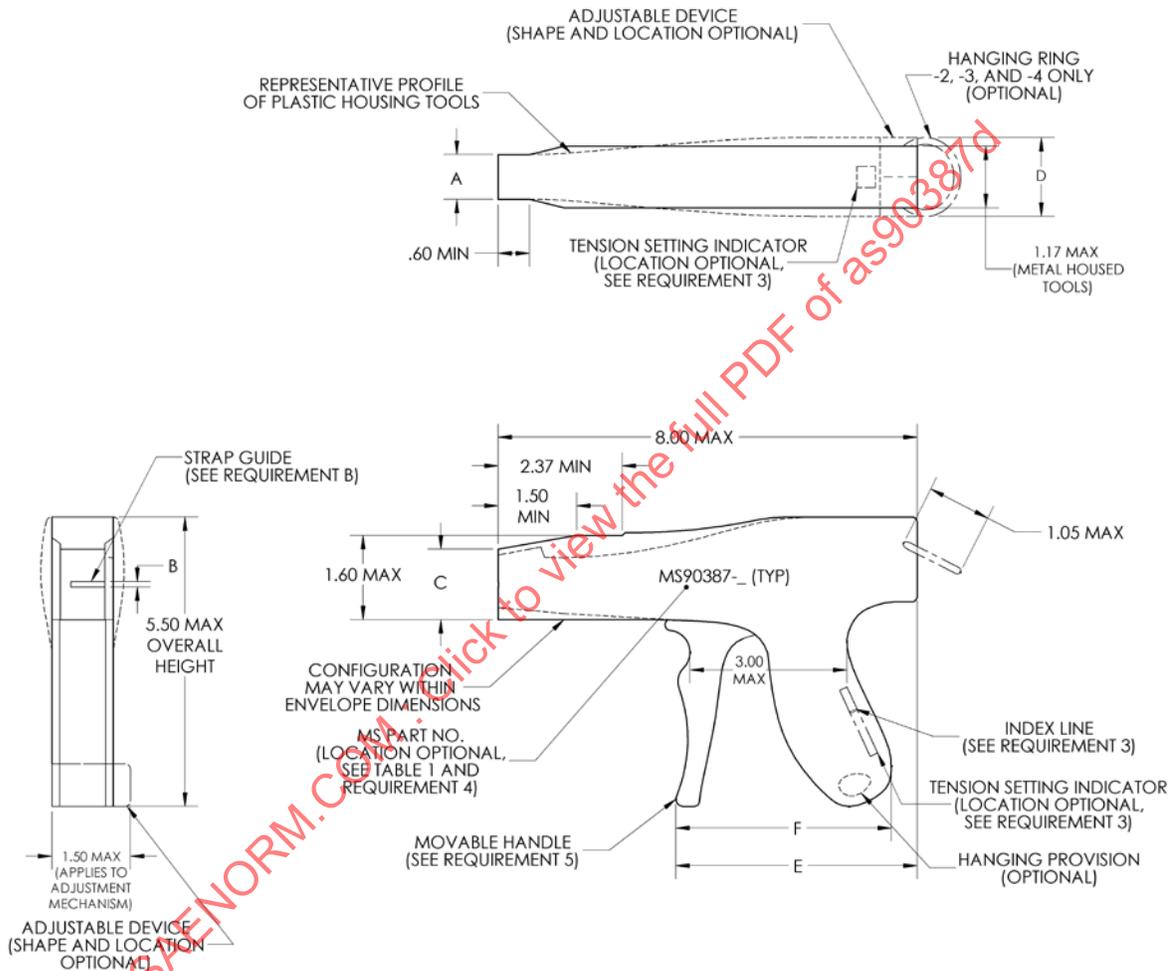
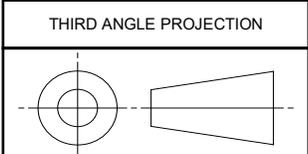


FIGURE 1 - MS90387 TOOL DIMENSIONS AND CONFIGURATION (SEE DESIGN REQUIREMENTS)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS90387D/>



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81306



AEROSPACE STANDARD
 (R) WIRING INSTALLATION TOOLS
 FOR PLASTIC AND METAL TIEDOWN STRAPS

AS90387™
 SHEET 1 OF 3

**REV.
D**

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.

ISSUED 2009-12 REVISED 2016-08 REAFFIRMED 2021-08

TABLE 1 - FIGURE 1 DIMENSIONS (ALL UNITS ARE IN INCHES)

MS PART NO	TIE MATERIAL	FIGURE	A MAX	B MIN	B MAX	C MAX	D MAX 1/	E MAX	F MAX	INSTRUCTION FIELD COLOR
MS90387-1	PLASTIC	1	.65	.055	.070	1.00	N/A	4.63	4.30	BLACK
MS90387-2	PLASTIC	1	.85	.083	.105	1.34	1.20	4.63	4.30	RED
MS90387-3	METAL	1	1.16	.015	.045	1.48	1.20	4.63	4.05	BLACK
MS90387-4	PLASTIC	1	.85	.095	.105	1.34	1.20	4.63	4.05	BLUE
MS90387-5	PLASTIC	1	.65	.055	.070	1.00	N/A	4.30	3.60	MAROON

1/ N/A – NOT APPLICABLE

TABLE 2 - TOOL AND TIEDOWN STRAP CROSS-REFERENCE

TOOL		TIEDOWN STRAP SIZES			
MS PART NO.	TENSION SETTING RANGE (SEE APPLICATION NOTE 1)	TIE MATERIAL	MS PART NOS.	STRAP IDENTIFICATION CODE	STRAP MIN TENSILE, LB (REFERENCE)
MS90387-1 MS90387-5 (SEE APPLICATION NOTE 1)	1-3	PLASTIC	MS3367-4,-26,-30,-31,-32 MS3368-5	MIN (MINIATURE)	18
	3-5		MS3367-5,-27,-33,-34,-35	INT (INTERMEDIATE)	30
	6-8		MS3367-1,-2,-7,-23,-24, -29,-36,-37,-38,-39 MS3368-1,-2,-3,-4	STD (STANDARD)	50
MS90387-2	1-4	PLASTIC	MS3367-1,-2,-7,-23,-24, -29,-36,-37,-38,-39 MS3368-1,-2,-3,-4	STD (STANDARD)	50
	5-8		MS3367-3,-6,-8 TO -18, -25,-28,-40,-41	HVY (HEAVY)	120
MS90387-3	1-4	METAL	M23190/3-1 TO /3-4	STD (STANDARD)	100
	5-8		M23190/3-5 TO /3-9	HVY (HEAVY)	250
MS90387-4	1-4	PLASTIC	MS3367-3,-6,-8, -18 TO -25,-28,-40,-41	HVY (HEAVY)	120
	5-8		MS3367-19 TO -22	EH (EXTRA HEAVY)	250

SAENORM.COM : Click to view the full PDF 01933579

	AEROSPACE STANDARD	AS90387™ SHEET 2 OF 3	REV. D
	(R) WIRING INSTALLATION TOOLS FOR PLASTIC AND METAL TIEDOWN STRAPS		