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REV.
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AS81306/1

FEDERAL SUPPLY CLASS
5120

RATIONALE

REVISION REQUIRED TO CORRECT EDITORIAL ERRORS, UPDATE FIGURE 2 CONFIGURATION AND INCLUDE COMMENTS APPROVED BY AE-8C1 COMMITTEE BALLOT.

NOTICE

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

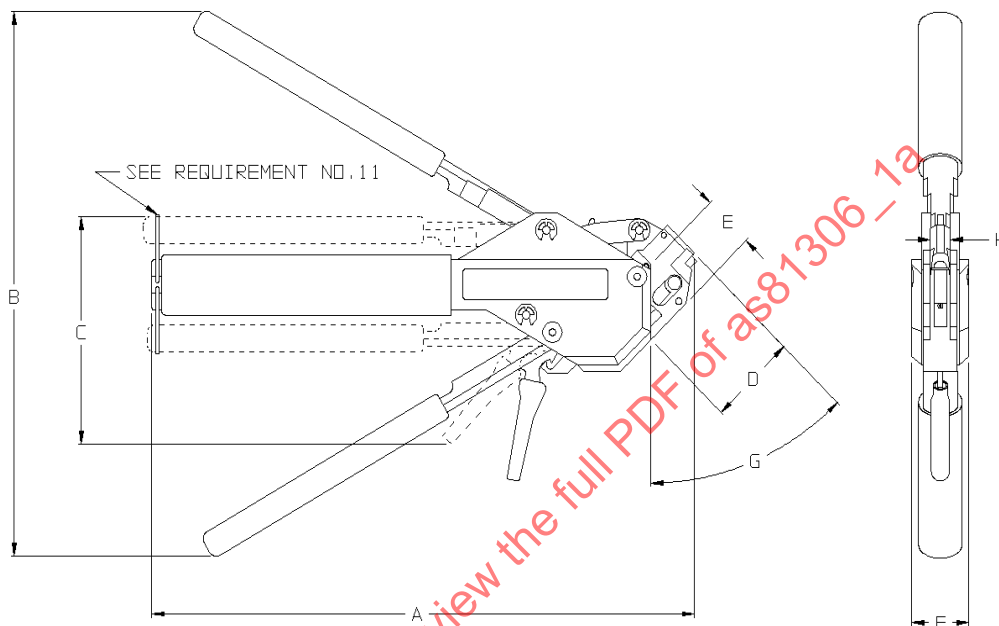


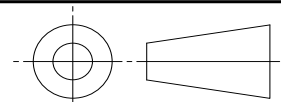
FIGURE 1 - DIMENSIONS AND CONFIGURATION
(BAND INSTALLATION TOOL, SEE TABLE 1)

TABLE 1 - FIGURE 1 DIMENSIONS

LETTER DESIGNATOR	A (MAX) OPEN POSITION	B (MAX) OPEN POSITION	C (MAX) CLOSED POSITION	D ± 0.6 (1.5) DIM	E ± 0.6 (1.5) DIM	F (MAX) DIM	G $\pm 2^\circ$ DEGREE	H ± 0.6 (1.5) DIM	USED TO TERMINATE M85049/128-
A	6.88 (174.6)	7.21 (183.13)	3.06 (77.6)	1.40 (35.6)	0.81 (20.6)	1.05 (26.5)	45°	0.45 (11.4)	-3 & -4
B	6.88 (174.6)	7.21 (183.31)	3.06 (77.6)	1.40 (35.6)	0.81 (20.6)	1.05 (26.5)	45°	.20 (5.1)	-7 & -8

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81306

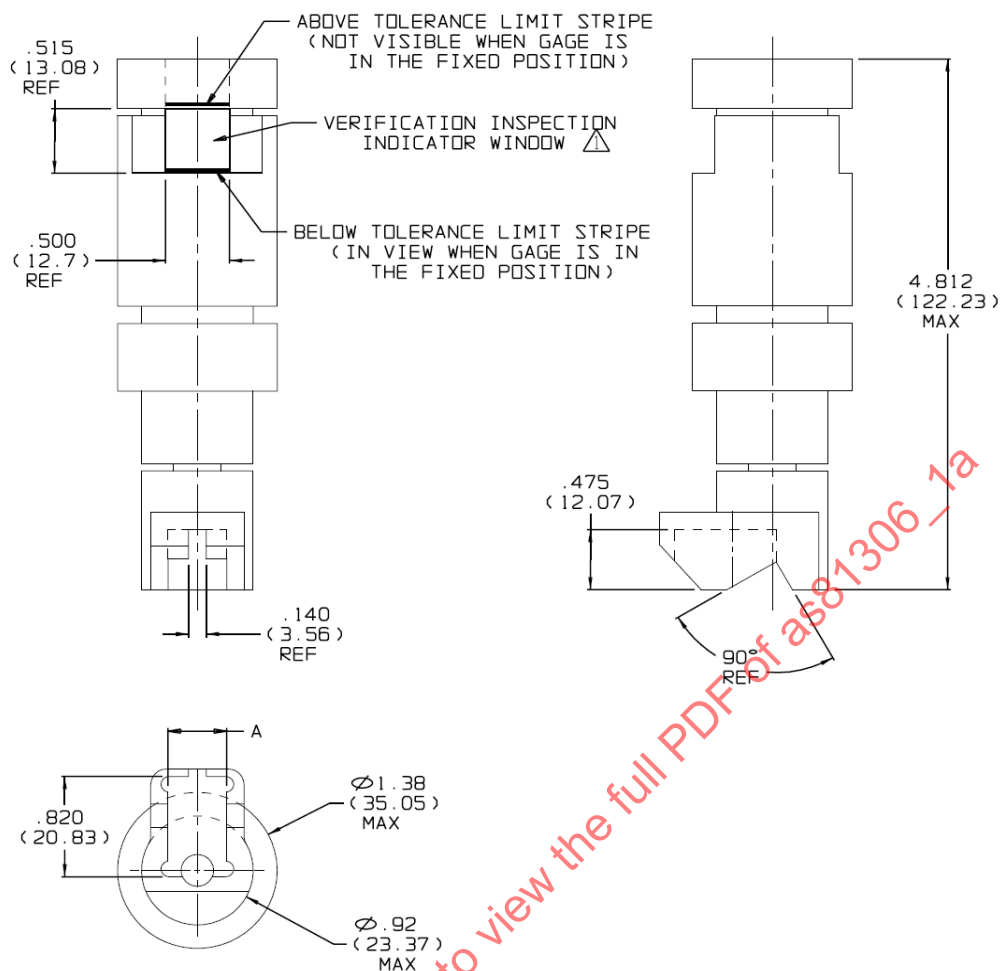


AEROSPACE STANDARD

(R) BAND INSTALLATION TOOL, HAND, ONE-STEP,
FOR AS85049/128 CONNECTOR ACCESSORY CABLE
SHIELD TERMINATING BANDS

AS81306/1
SHEET 1 OF 5

REV.
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NOTE: THE BAND TOOL IS IN TOLERANCE IF NO PART OF THE STRIPES (ABOVE OR BELOW) IS VISIBLE IN THE VERIFICATION INSPECTION WINDOW.

FIGURE 2 - DIMENSIONS & CONFIGURATION
(VERIFICATION INSPECTION GAUGE, SEE TABLE 2)

TABLE 2 - FIGURE 2 DIMENSIONS

LETTER DESIGNATOR	A +.015 (0.38) -.005 (0.13) DIM
C	.460 (11.7)
D	.360 (9.1)

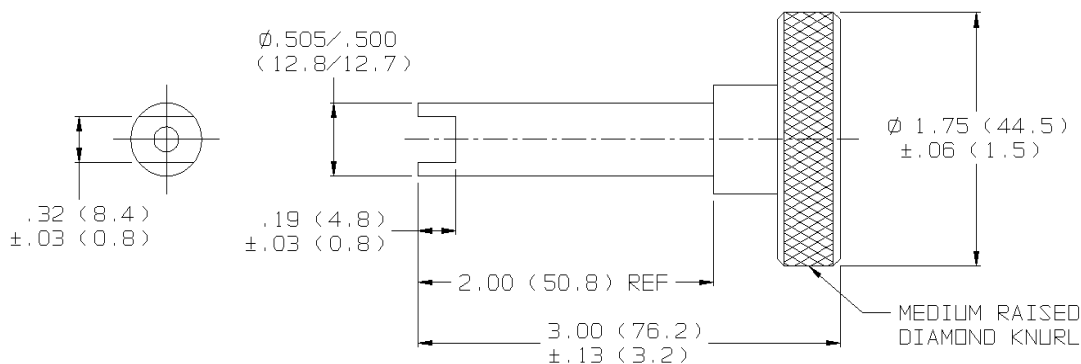


FIGURE 3 - DIMENSIONS AND CONFIGURATION
(TENSION SETTING ADJUSTMENT KEY, SEE TABLE 4, LETTER DESIGNATOR "E")

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED TOLERANCES SHALL BE: .XX = ± 0.03 ; .XXX = ± 0.015 ; $X^\circ = \pm 2^\circ$.
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4 MM = 1 INCH.
4. MILLIMETERS ARE SHOWN IN PARENTHESES.

REQUIREMENTS:

DESIGN, CONSTRUCTION AND PERFORMANCE:

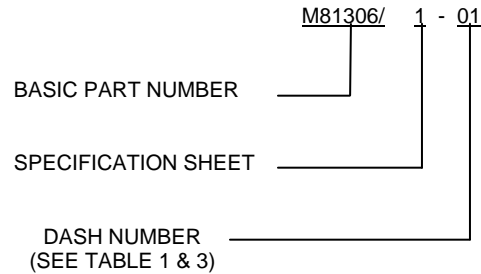
1. DIMENSIONS AND CONFIGURATION: SEE FIGURES 1 THRU 3 AND TABLES 1 AND 2.
2. TOOL SHALL HAVE NO PROTRUSIONS, SHARP EDGES, OR SHARP CORNERS.
3. THE WEIGHT OF THE BAND INSTALLATION TOOL SHALL NOT EXCEED 2 POUNDS.
4. THE TOOL SHALL BE DESIGNED TO TERMINATE AN M85049/128-** BAND (SEE APPLICATION NOTE 1) WITHOUT THE USE OF ANOTHER TOOL OR DEVICE TO COMPLETE THE CONNECTOR ACCESSORY BAND TERMINATION PROCESS.
5. THE OPERATION HANDLE SHALL BE DESIGNED WITH A MECHANICAL MEANS TO ALLOW THE OPERATION HANDLE TO RETURN TO THE OPEN POSITION, SHALL FACILITATE THE PULL-UP OPERATION OF THE BAND.
6. THE OPERATION HANDLE SHALL BE DESIGNED SO IT LOCKS INTO PLACE ONCE THE PREDETERMINED TENSION IS REACHED AND REMAIN LOCKED UNTIL THE CUTOFF OPERATION IS COMPLETE.
7. THE CUTOFF HANDLE SHALL BE DESIGNED TO FACILITATE GRIPPING TO EXECUTE THE CUT-OFF OPERATION.
8. THE TOOL SHALL BE DESIGNED WITH A THUMB ACTUATED TENSION RELEASE LEVER FOR EASY REPOSITIONING OF THE BAND DURING INSTALLATION.
9. THE TOOL SHALL NOT PRODUCE ANY METAL SHAVINGS DURING BAND INSTALLATION TENSIONING OR DURING THE CUT-OFF OPERATION. THE SPENT BAND MATERIAL SHALL BE RETAINED IN THE TOOL UNTIL MANUALLY REMOVED.
10. THE TOOL SHALL BE POSITIONED TO A PREDETERMINED TENSION SETTING AND PROVIDE A MEANS TO PERIODICALLY VERIFY AND ADJUST THE TOOL TENSION USING THE VERIFICATION INSPECTION GAGE DEFINED IN FIGURE 2 AND THE TENSION SETTING ADJUSTMENT KEY DEFINED IN FIGURE 3.
11. THE TOOL SHALL PROVIDE A HANDLE MEANS TO FACILITATE STORAGE IN A MINIMUM AMOUNT OF SPACE WITH SAID MEANS REQUIRING A MANUAL OPERATION TO RETAIN THE HANDLES IN A CLOSED POSITION AND ALLOW THE HANDLES TO RETRACT WHEN SAID MEANS ARE RELEASED. (OPEN POSITION STORAGE IS OPTIONAL.)

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	(R) BAND INSTALLATION TOOL, HAND, ONE-STEP, FOR AS85049/128 CONNECTOR ACCESSORY CABLE SHIELD TERMINATING BANDS			

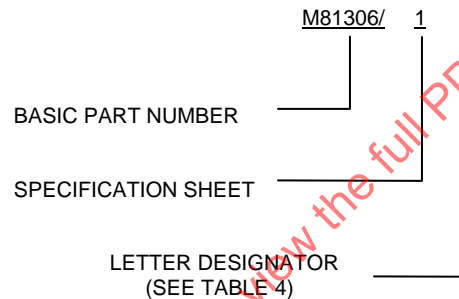
12. BAND NORMAL COMPRESSION FORCE SHALL NOT EXCEED 45 POUNDS.
13. BAND TOOL NORMAL LINEAR FORCE WITH A DOUBLE WRAPPED BAND SHALL BE 150 POUNDS \pm 5 POUNDS FOR THE M81306/1-01 TOOL AND 80 POUNDS \pm 5 POUNDS FOR THE M81306/01-02 TOOL.
14. OPERATION INSTRUCTIONS SHALL BE PROVIDED WITH THE TOOL KIT AND WHEN THE BAND INSTALLATION TOOL, VERIFICATION INSPECTION GAUGE OR THE TENSION SETTING ADJUSTMENT KEY IS PROCURED SEPARATELY.

PART NUMBER: SEE EXAMPLES BELOW:

EXAMPLE
(FOR TOOL SET)



EXAMPLE
(FOR INDIVIDUAL TOOL)



QUALIFICATION: SEE AS81306 EXCEPT AS MODIFIED BELOW:

1. LIFE CYCLE EXCEPT THE TOTAL NUMBER OF TENSION CYCLES SHALL BE 10 000, NO CUTTING CYCLING REQUIRED.
2. CORROSION TESTING NOT APPLICABLE (SEE APPLICATION NOTE 2).

APPLICATION NOTES:

1. TOOL ACCOMMODATES M85049/128-3, -4, -7 OR -8 CONNECTOR ACCESSORY BANDS. SEE TABLE 1 FOR BAND TOOL TO CONNECTOR ACCESSORY BAND ACCOMMODATION.
2. TOOLS ARE RECOMMENDED TO BE STORED IN A CONTAINER AS SUCH TO PROTECT THEM FROM EXPOSURE TO POTENTIAL CORROSION ENVIRONMENTS.

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