

RATIONALE

BAND TOOL REQUIRED FOR SECURING AS85049/128 WIRING COMPONENTS.

NOTICE

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

SAE AS81306/2

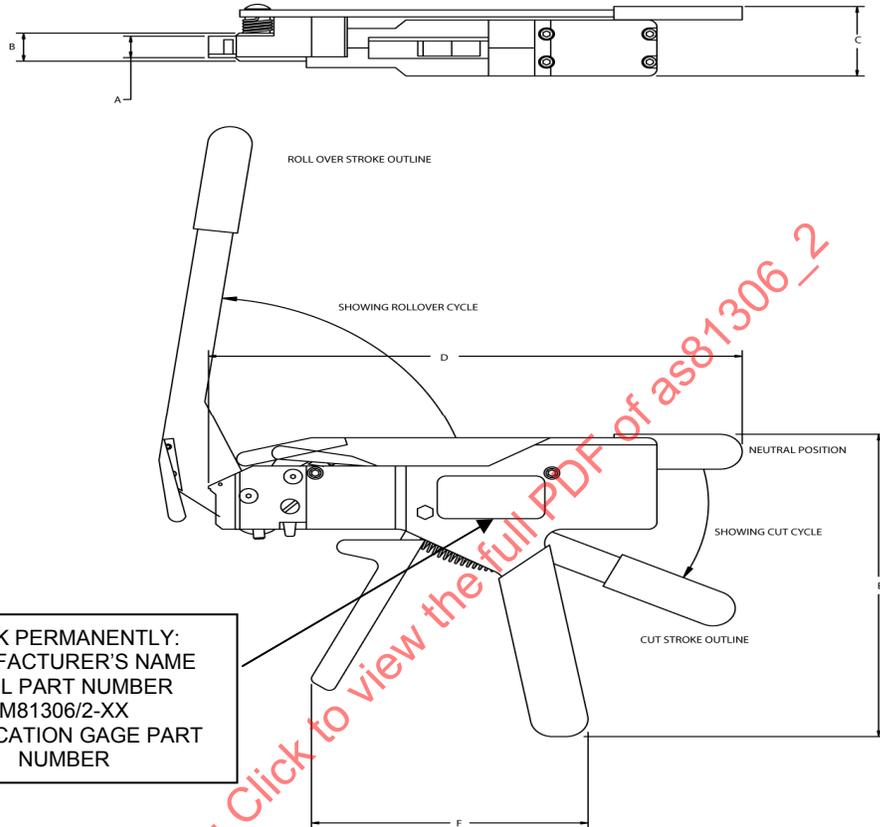


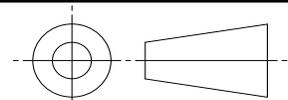
FIGURE 1 - DIMENSIONS AND CONFIGURATION

TABLE 1 - FIGURE 1 DIMENSIONS

DASH NO.	A MAX	B MAX	C MAX	D MAX	E MAX	F MAX	USED TO TERMINATE M85049/128-* BANDS
01	.400	.525	1.375	7.625	6.500	4.500	-1 & -2
02							-5 & -6

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81306

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
BAND INSTALLATION TOOL, HAND, TWO STEP TERMINAL, FOR AS85049/128 CONNECTOR ACCESSORY CABLE SHIELD TERMINATION BANDS

SAE AS81306/2
SHEET 1 OF 5

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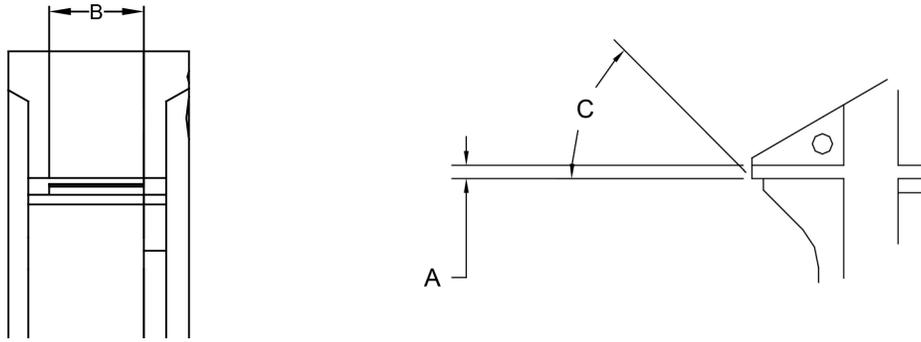


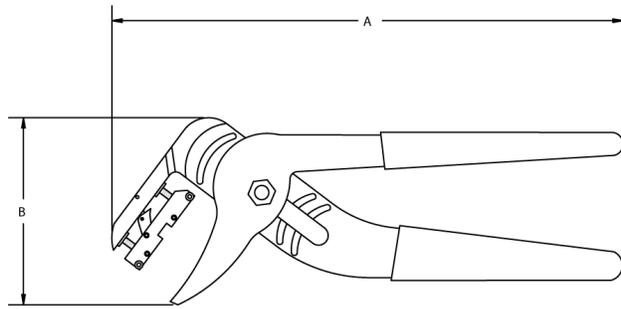
FIGURE 2 - NOSE DETAIL

TABLE 2 - DIMENSIONS FOR FIGURE 2

DASH NO.	A + .002 - .001	B MIN	C ANGLE
01	.030	.256	45°
02	.023	.129	45°

MATERIAL: TOOL STEEL OR EQUIVALENT
HARDNESS: HRC 35-40 MIN
FINISH: BLACK OXIDE, OR TREAT TO RESIST CORROSION

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OPERATIONAL REFERENCE

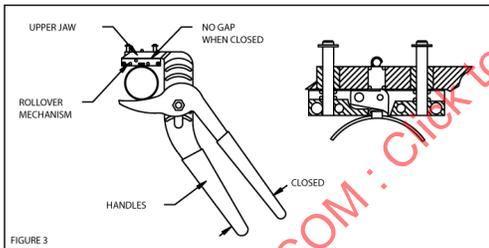
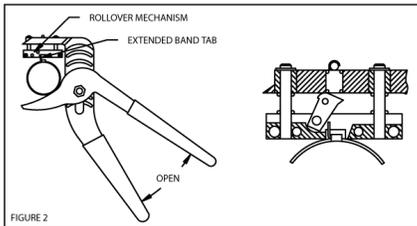
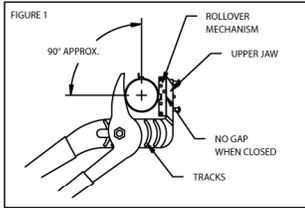


TABLE 3 - DIMENSIONS AND MARKING REQUIREMENTS FOR BAND ROLLOVER TOOL

DASH NO.	A MAX	B MAX
01	9.00	4.00
02		

MARK PERMANENTLY: MANUFACTURER'S NAME AND PART NUMBER (LOCATION OPTIONAL)

FIGURE 3 - BAND ROLLOVER TOOL

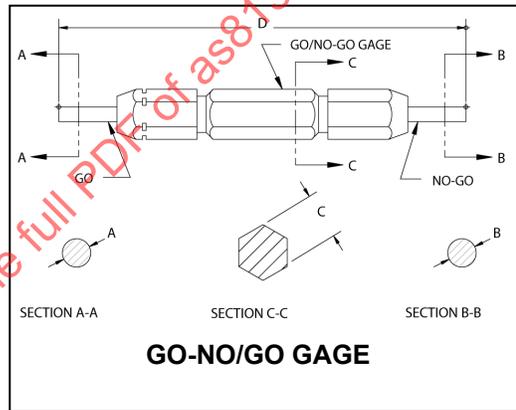
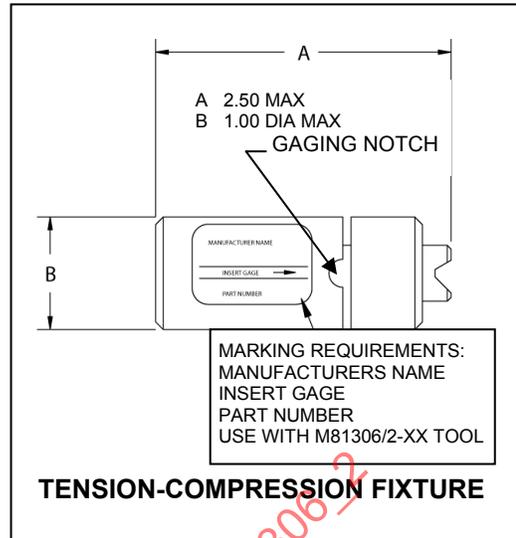


TABLE 4 - DIMENSIONS FOR GO-NO/GO GAGE

DASH NO	A DIA. +.0002 -.0000	B DIA. +.0000 -.0002	C MAX DIM	D (REF) DIM
01E	.1230	.1270	.500	3.5
02F	.1110	.1270		

FIGURE 4 - TENSION-COMPRESSION FIXTURE & GO-NO/GO GAGE

TABLE 5 - TOOL SET DESCRIPTION

DASH NO.	DESCRIPTION
01	TOOL SET CONSISTING OF THE BAND INSTALLATION TOOL, BAND ROLLOVER TOOL, FOR TERMINATING M85049/128-1 & -2 .250 WIDTH BANDS.
02	TOOL SET CONSISTING OF THE BAND INSTALLATION TOOL, BAND ROLLOVER TOOL, FOR TERMINATING M85049/128-5 & -6 .125 WIDTH BANDS.

TABLE 6 - COMPONENT REPLACEMENT PROCUREMENT INFORMATION

LETTER DESIGNATOR	DESCRIPTION
A	M81306/2-01 BAND INSTALLATION TOOL ONLY FOR USE WITH M85049/128-1 AND -2 BANDS
B	M81306/2-02 BAND INSTALLATION TOOL ONLY FOR USE WITH M85049/128-5 AND -6 BANDS
C	ROLLOVER TOOL ONLY FOR USE WITH THE M81306/2-01 BAND INSTALLATION TOOL.
D	ROLLOVER TOOL ONLY FOR USE WITH THE M81306/2-02 BAND INSTALLATION TOOL.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE: .XX = ±.03; .XXX = ±.015; X DEGREE = ±2 DEGREES
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4 = 1 INCH.
4. MILLIMETERS ARE IN PARENTHESES.

REQUIREMENTS IN ACCORDANCE WITH AS81306 AND THIS SPECIFICATION:

DESIGN AND CONSTRUCTION:

1. DIMENSIONS AND CONFIGURATION: SEE FIGURES 1 THRU 4 AND TABLES 1 THRU 4.
2. TOOL SHALL HAVE NO SHARP EDGES, OR SHARP CORNERS.
3. THE WEIGHT OF THE TOOL SHALL NOT EXCEED 2 LB.
4. THE RANGE OF TOOLS DEFINED IN THIS STANDARD SHALL BE DESIGNED TO TERMINATE AS85049/128-** BANDS (SEE APPLICATION NOTE 1) WITHOUT THE USE OF OTHER TOOLS TO COMPLETE THE CONNECTOR ACCESSORY BAND TERMINATION PROCESS.
5. THE OPERATION HANDLE SHALL BE CONFIGURED TO RETURN THE HANDLE TO THE OPEN POSITION EACH TIME PRESSURE IS RELEASED WHILE BAND TENSION IS BEING GAINED. THE SAME HANDLE SHALL BE DESIGNED SO IT LATCHES IN THE CLOSED POSITION WHEN THE PRESET TENSION IS ACHIEVED.
6. THE ROLLOVER/CUTOFF HANDLE SHALL BE EASILY ACCESSIBLE TO THE USER, AND SHALL BEND THE BAND AT THE EXIT POINT WHILE UNDER THE PRESET TENSION BY RAISING THE HANDLE (SEE FIGURE 1). THE SAME HANDLE SHALL CUT THE BAND COMPLETELY AND SMOOTHLY WHEN LOWERING THE HANDLE AS SHOWN IN FIGURE 1.
7. THE TOOL SHALL BE DESIGNED TO ALLOW THE EXCESS BAND MATERIAL TO BE EXTRACTED FROM THE TOOL BY PULLING IT THROUGH THE BAND TOOL EXIT PORT.
8. THE TOOL SHALL BE DESIGNED WITH A TENSION RELEASE LEVER FOR EASY REPOSITIONING OF THE BAND AFTER INSERTING INTO THE TOOL, BUT PRIOR TO TENSIONING.

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	BAND INSTALLATION TOOL, HAND, TWO STEP TERMINAL, FOR AS85049/128 CONNECTOR ACCESSORY CABLE SHIELD TERMINATION BANDS		