

REV.
A

AS81969™/20

FEDERAL SUPPLY CLASS
5120

RATIONALE

LIMITED SCOPE REVISION REQUIRED TO CHANGE FIGURE 2 DIMENSION 0.181 ± .02 TO 1.81 ± .02 AND ADDRESS ANY MINOR ERRORS AS NEEDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81969.

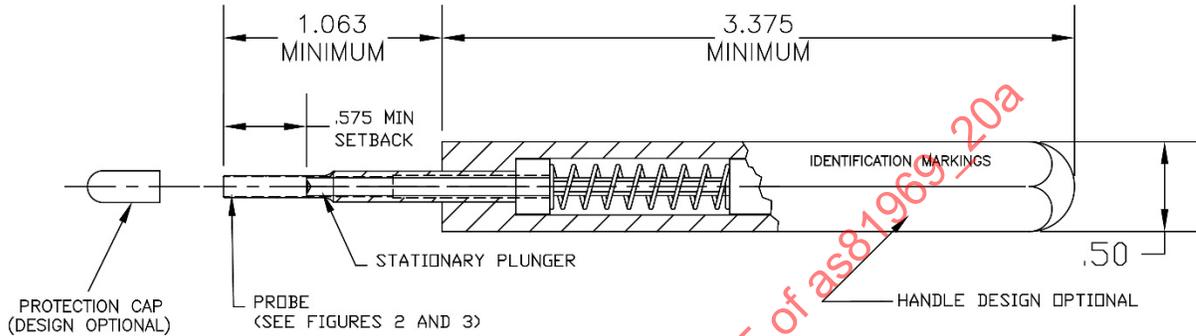


FIGURE 1 - BASIC TOOL DESCRIPTION

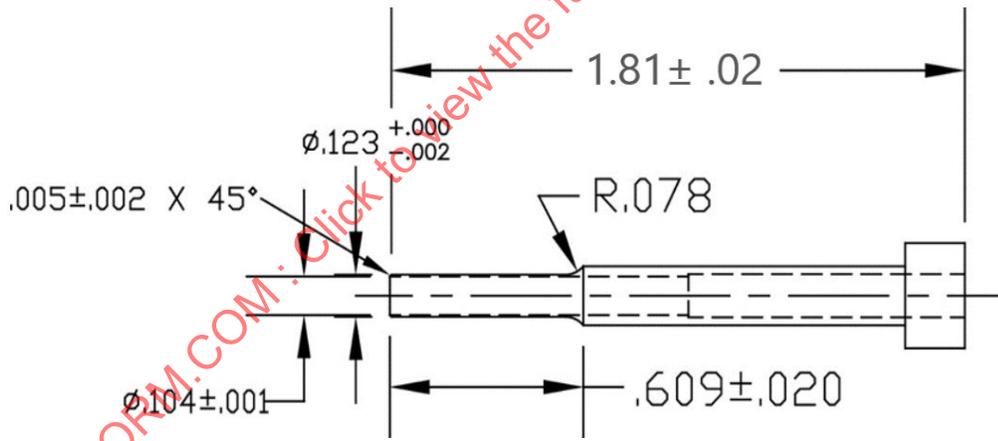
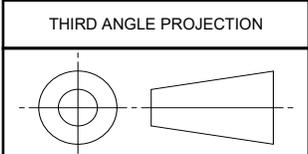


FIGURE 2 - PROBE DIMENSIONS FOR SIZE 16 AND 20 CONTACTS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS81969/20A>



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS81969



AEROSPACE STANDARD

INSTALLING AND REMOVAL TOOLS, CONNECTOR
ELECTRICAL CONTACT, TYPE II, CLASS 1,
COMPOSITION A

AS81969™/20
SHEET 1 OF 3

REV.
A

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ISSUED 2015-06 REAFFIRMED 2020-08 REVISED 2024-05

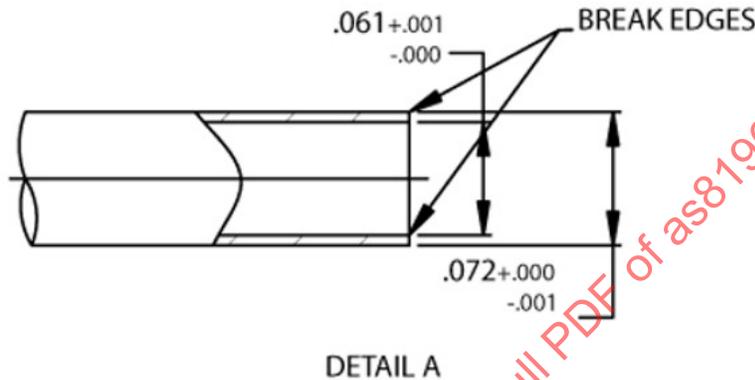
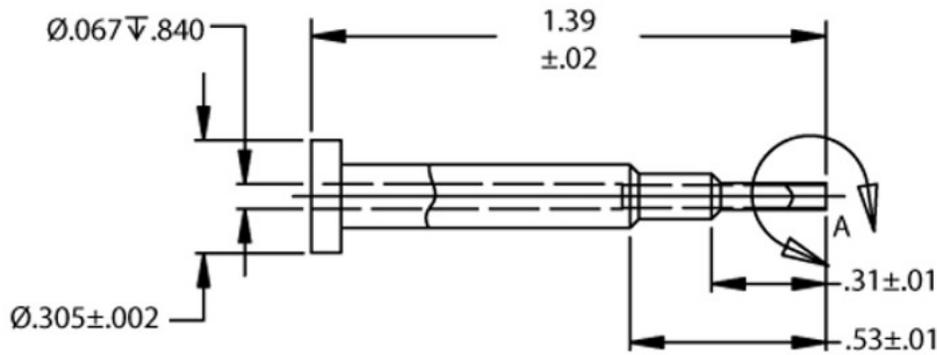


FIGURE 3 - PROBE DIMENSIONS FOR SIZE 22 CONTACTS

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81969.

1. CONFIGURATION:

TOOL CONFIGURATION SHALL BE IN ACCORDANCE WITH FIGURES 1, 2, AND 3.

DIMENSIONING AND TOLERANCING: ASME Y14.5-2018. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS $\pm .005$ ON THREE PLACE DECIMALS, $\pm .01$ ON TWO PLACE DECIMALS AND $\pm 4^\circ$.

DIAMETER DIMENSION .104 SHALL BE .500 INCH DEEP FROM THE END OF TIP (SEE FIGURE 2).

HANDLE CONFIGURATION OPTIONAL WITHIN MAXIMUM DIMENSIONS SHOWN (SEE FIGURE 1).

EACH TOOL SHALL BE FURNISHED WITH A PROTECTIVE PROBE CAP. THE CAP DESIGN AND MATERIAL IS OPTIONAL (SEE APPLICATION NOTES).

PROBE COMPRESSION SPRING FORCE SHALL BE 3.0 POUNDS \pm 1.0 POUND.

2. IDENTIFICATION MARKING:

EACH TOOL SHALL BE LEGIBLY AND PERMANENTLY MARKED ON THE TOOL BODY IN ACCORDANCE WITH MIL-STD-130 (LOCATION OPTIONAL). TOOL IDENTIFICATION SHALL INCLUDE SAE PART NUMBER, SUPPLIER PART NUMBER, AND SUPPLIER NAME OR SYMBOL IN ACCORDANCE WITH AIR1351.

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