

RATIONALE

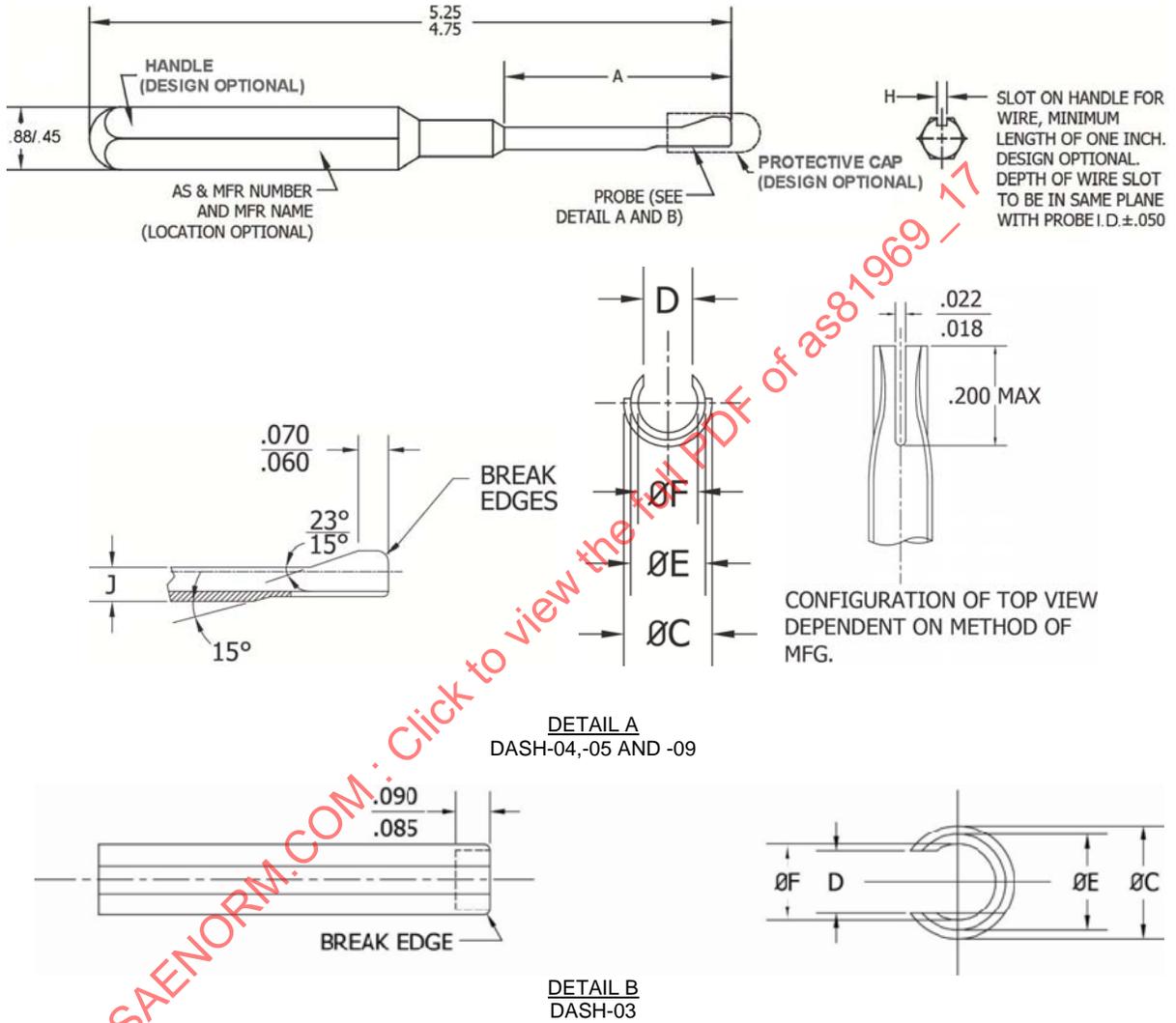
AS81969/17 PERMITS THE CANCELLATION AND SUPERSESION OF MIL-I-81969/17 WITH THIS DOCUMENT. IT INCLUDES ENGINEERING POSITION LETTERS, MILITARY SPECIFICATION AMENDMENTS, AND MINOR TECHNICAL CHANGES REQUIRED TO REFLECT THE APPROVED QUALIFIED TOOLS. GOVERNMENT DOCUMENTATION REFERENCES ARE REMOVED.

NOTICE

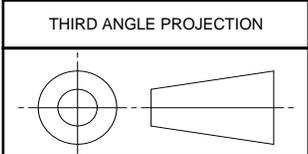
THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81969.

AS81969/17

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CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81969



AEROSPACE STANDARD

INSTALLING AND REMOVAL TOOLS, CONNECTOR ELECTRICAL CONTACT, TYPE I, CLASS 1, COMPOSITION C

AS81969/17
SHEET 1 OF 4

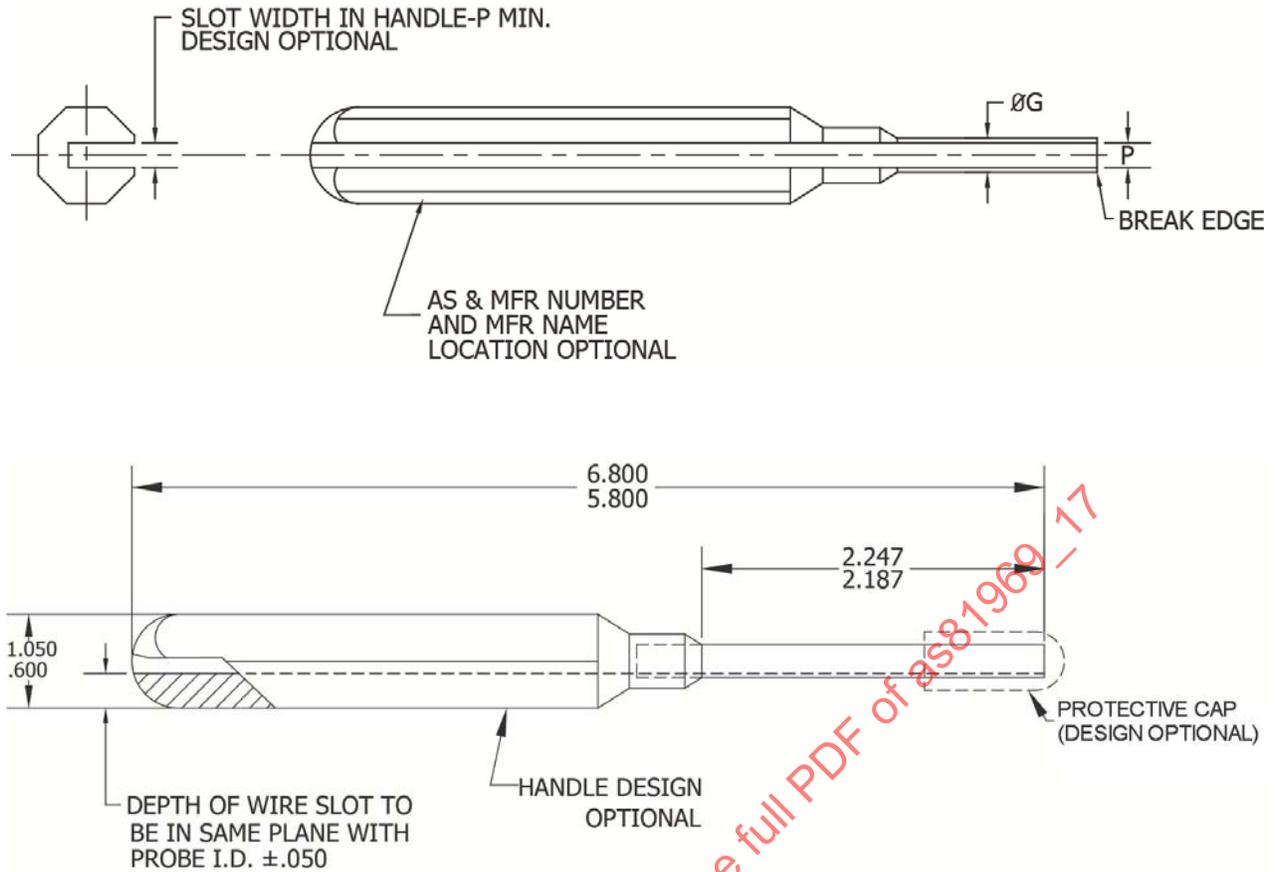


FIGURE 2 – REMOVAL TOOL -06, -07, -08

TABLE 1 – TOOL CONFIGURATION (SEE FIGURE 1 AND 2)

| DASH NUMBER | CONTACT SIZE | COLOR CODE | A MIN | C DIA | D | E DIA | F DIA | G DIA | J | H MIN | P DIA |
|-------------|--------------|------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|
| -03 | 20 | RED | .930 | .134 .130 | .093 .085 | .109 .107 | .093 .085 | -- | -- | .093 | -- |
| -04 | 16 | BLUE | 2.127 | .169 .159 | .090 .080 | .133 .128 | .101 .098 | -- | .090 .080 | .130 | -- |
| -05 | 12 | YELLOW | 2.127 | .209 .189 | .121 .118 | .179 .177 | .147 .144 | -- | .110 .100 | .173 | -- |
| -06 | 8 | RED | -- | -- | -- | -- | -- | .308 .305 | -- | -- | .263 .255 |
| -07 | 4 | BLUE | -- | -- | -- | -- | -- | .414 .411 | -- | -- | .378 .370 |
| -08 | 0 | YELLOW | -- | -- | -- | -- | -- | .606 .603 | -- | -- | .558 .550 |
| -09 | 20 | RED | 1.00 | .134 .124 | .070 .060 | .106 .104 | .085 .083 | -- | .063 .053 | .093 | -- |

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 AND 2 AND TABLE 1.

DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ANSI Y14.5M. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± 0.005 ON THREE PLACE DECIMALS, ± 0.01 ON TWO PLACE DECIMALS, AND $\pm 4^\circ$. BREAK AND BLEND ALL SHARP EDGES.

HANDLE CONFIGURATION OPTIONAL WITHIN DIMENSIONS SHOWN (SEE REQUIREMENT 1).

SLOT DESIGN (SEE FIGURE 1, DETAIL A) SHALL PERMIT ALL APPLICABLE WIRE SIZE DIAMETERS SPECIFIED FOR THE CONNECTORS TO FIT INTO THE TOOL FREELY (SEE TABLE 2).

PROBE LENGTH DIMENSION PERMITS FULL CONTACT PENETRATION INTO CONNECTOR FOR THE CONNECTORS SPECIFIED (SEE TABLE 2). SURFACE ON THE EXTERIOR OF THE PROBES SHALL BE 32 MICROINCHES RMS MAX IN ACCORDANCE WITH ANSI B46.1.

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

2. IDENTIFICATION MARKING:

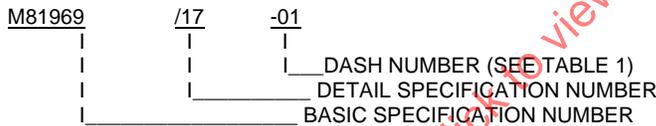
EACH TOOL SHALL BE LEGIBLY AND PERMANENTLY MARKED ON TOOL BODY IN ACCORDANCE WITH MIL-STD-130 (LOCATION OPTIONAL). SUPPLIER SYMBOL, IF USED, IT SHALL BE IN ACCORDANCE WITH AIR1351. TOOL SIZES ARE IDENTIFIED BY THE COLOR SCHEMES ON THE HANDLE AS LISTED IN TABLE 1.

3. MATERIALS:

HANDLE SHALL BE PLASTIC OR ALUMINUM IN ACCORDANCE WITH AS81969. IF PLASTIC IS USED, IT SHALL REMAIN STABLE AT 200 °F (93.3 °C) FOR 2 HOURS AS REQUIRED BY DEFLECTION UNDER LOAD TESTS APPROPRIATE FOR THE MATERIAL USED.

SLOTTED PROBES SHALL BE STEEL IN ACCORDANCE WITH AS81969.

4. PART NUMBER:



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|  | AEROSPACE STANDARD | AS81969/17 SHEET 3 OF 4 | |
| | INSTALLING AND REMOVAL TOOLS, CONNECTOR ELECTRICAL CONTACT, TYPE I, CLASS 1, COMPOSITION C | | |