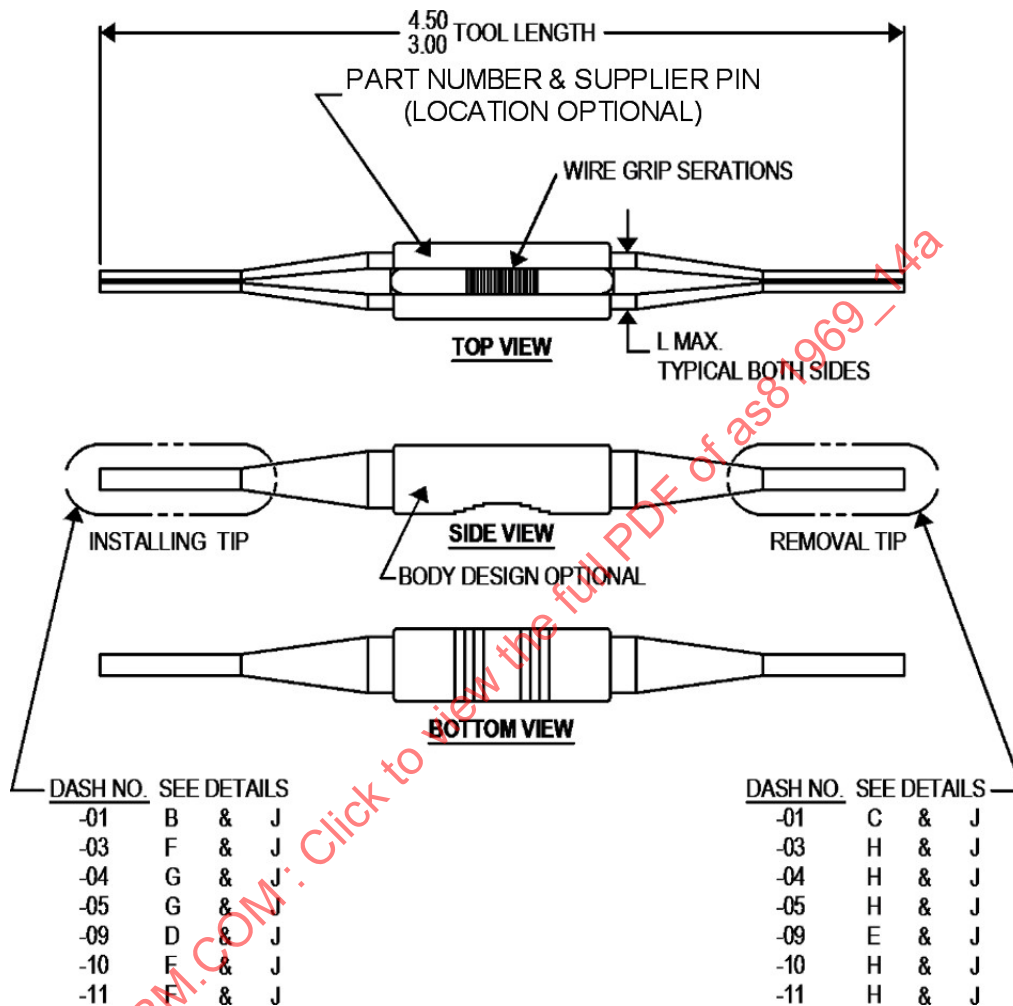


RATIONALE

REVISION REQUIRED TO ADD CONTACT REFERENCES AND MAKE MINOR EDITORIAL CHANGES.

NOTICE

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

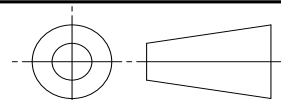


INSTALLING/REMOVAL TOOL -01, -03 THRU -05, AND -09 THRU -11 (SEE TABLE 1)

FIGURE 1 - AS81969/14 TOOL CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS81969/14A/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS81969

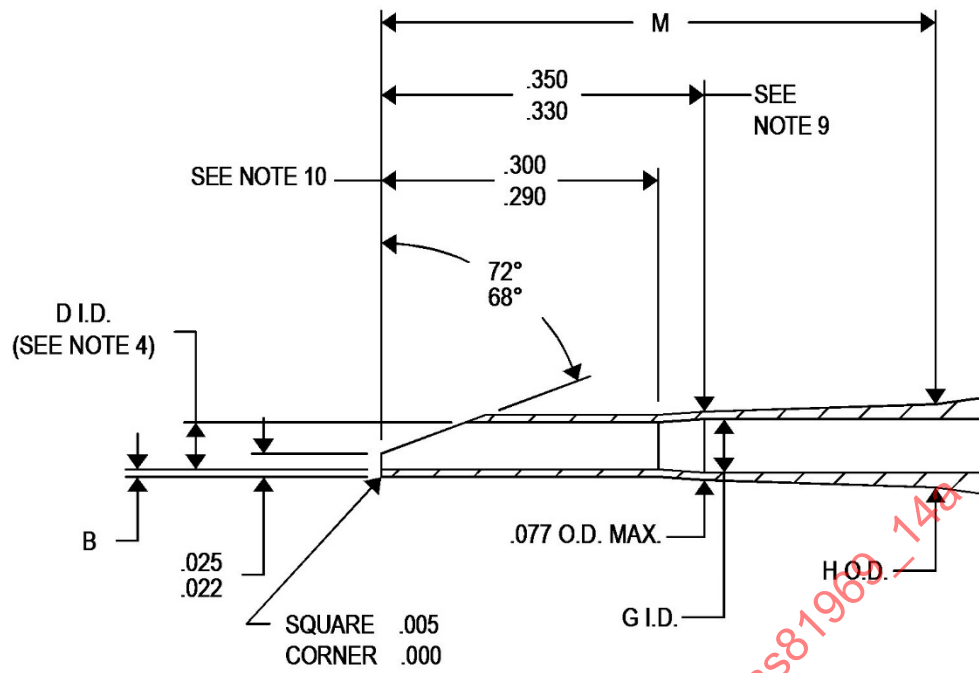


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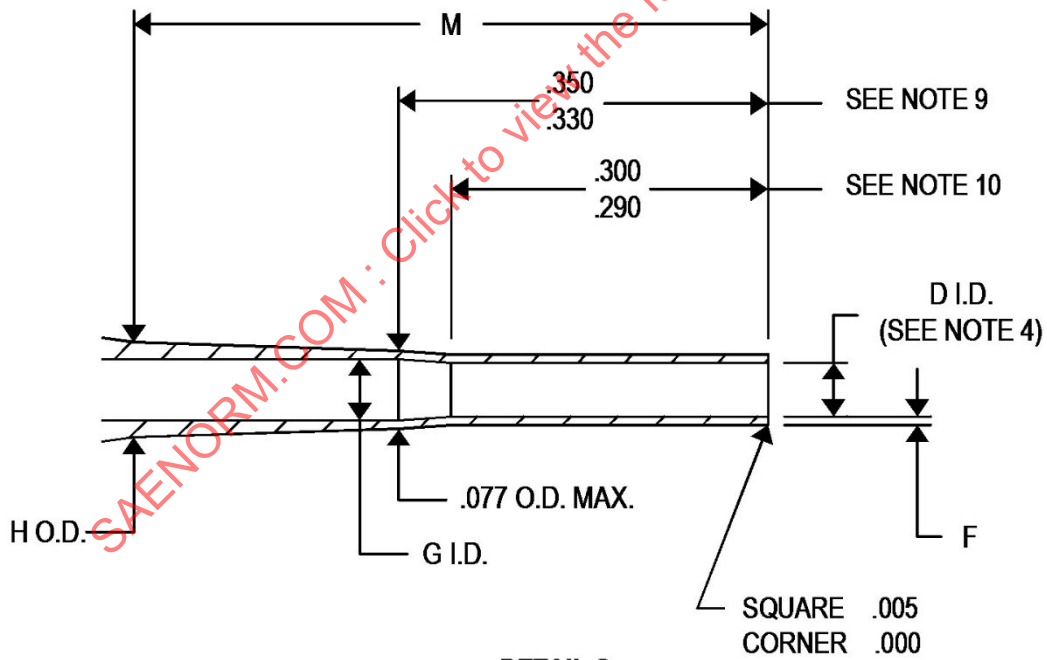
INSTALLING AND REMOVAL TOOLS, CONNECTOR
ELECTRICAL CONTACT, TYPE III, CLASS 2,
COMPOSITION B

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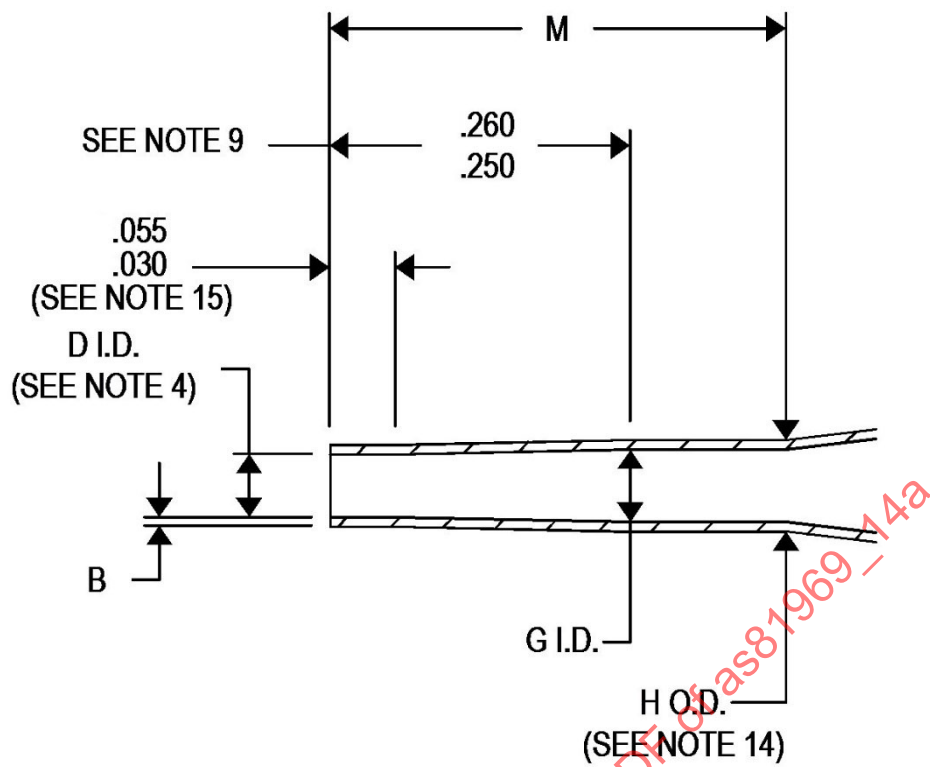
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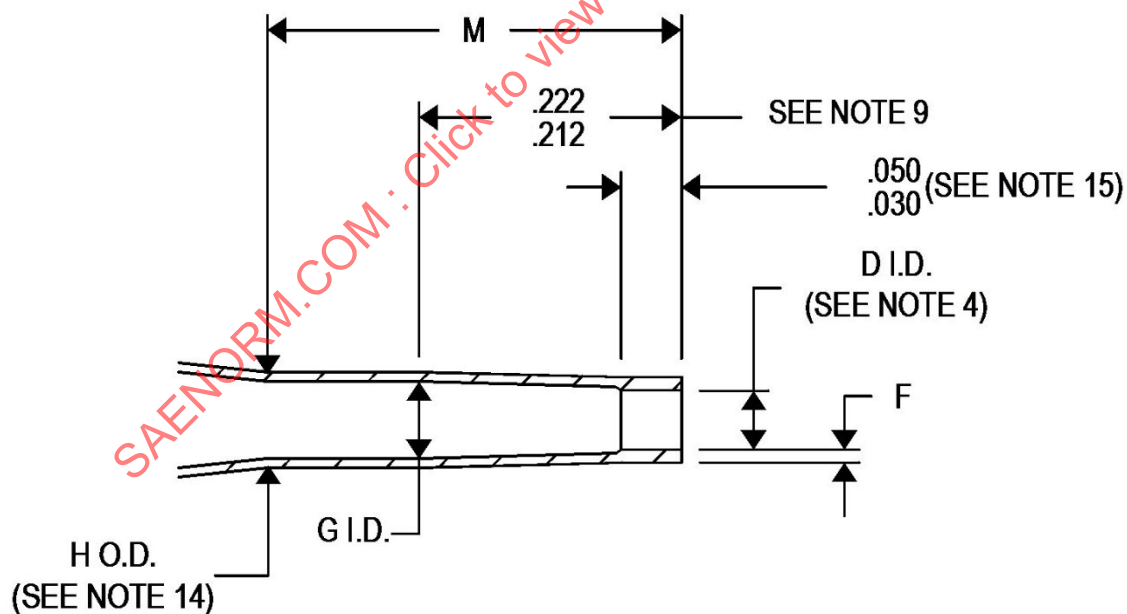
DETAIL B
INSTALLING TIP -01



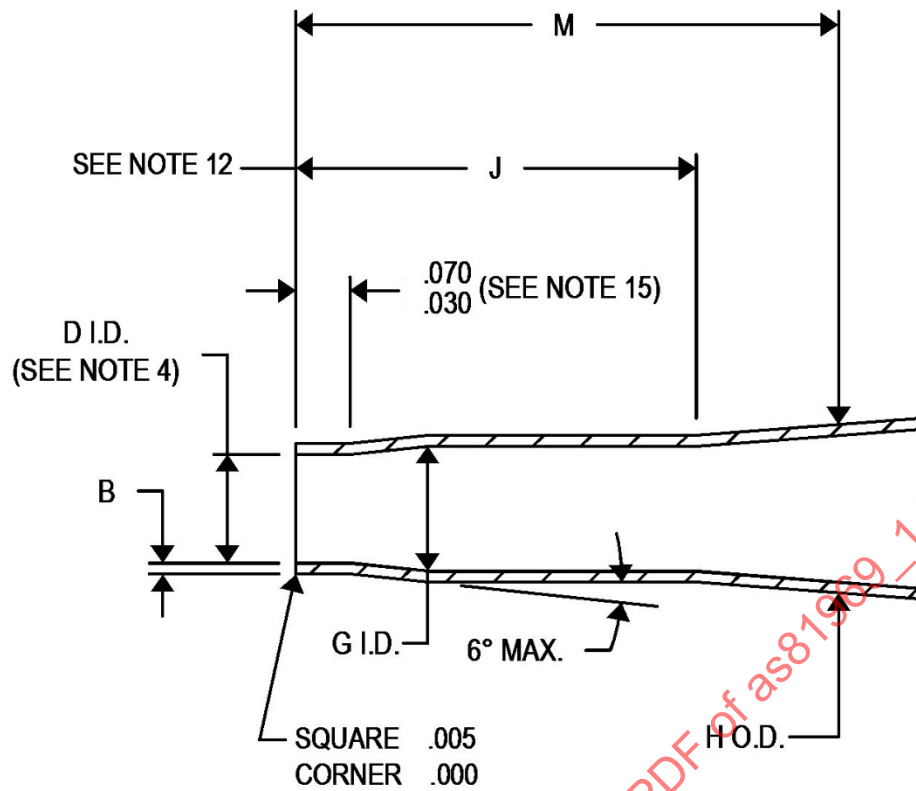
DETAIL C
REMOVAL TIP -01



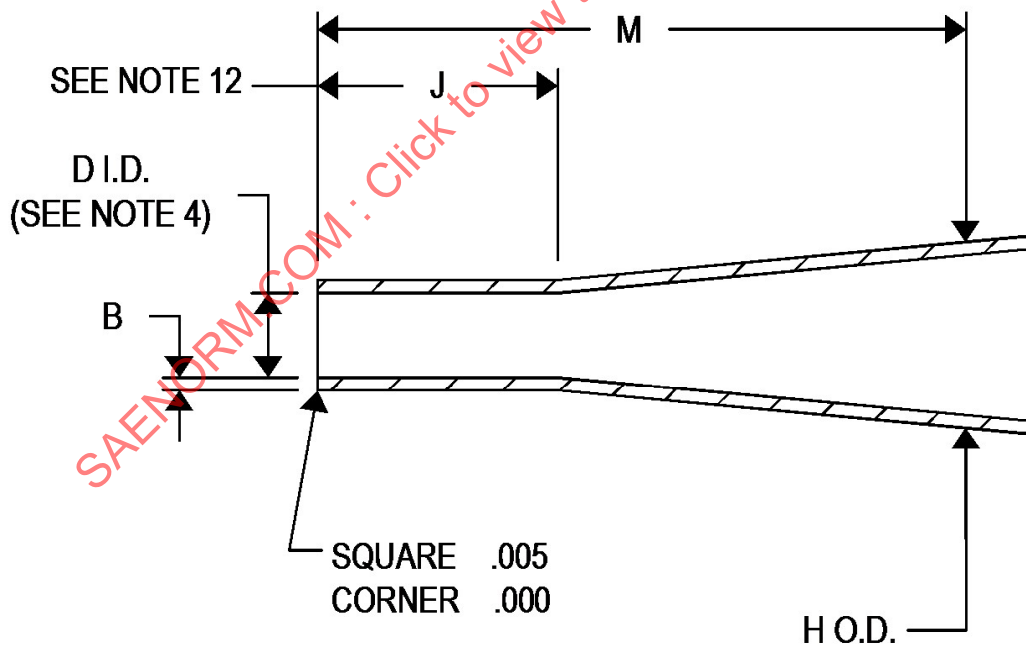
DETAIL D
INSTALLING TIP -09



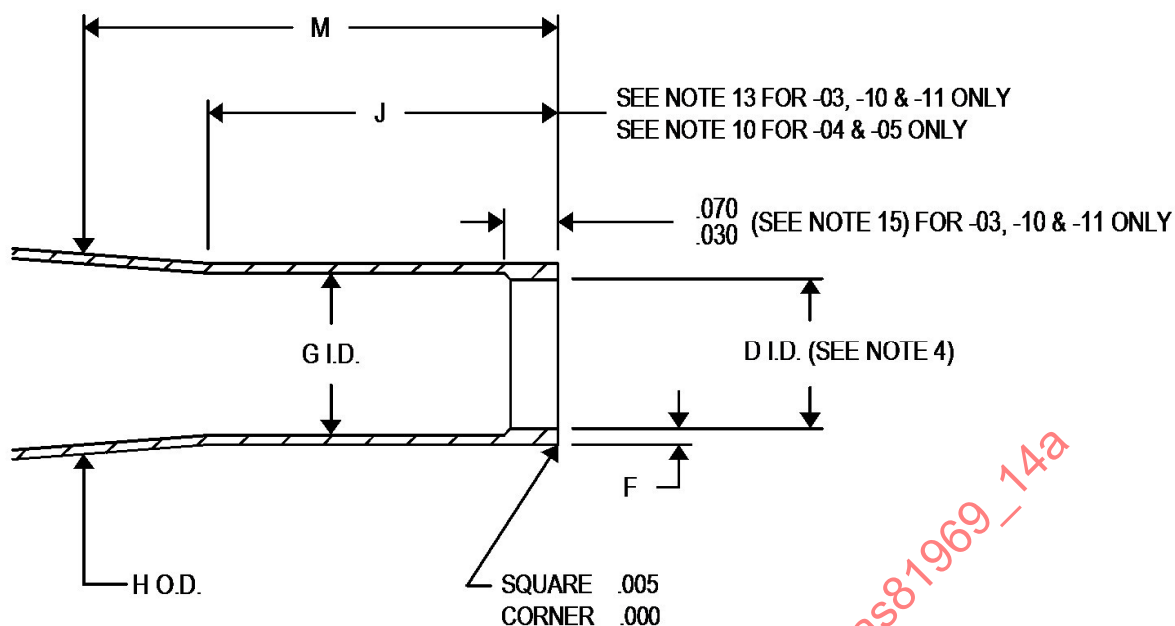
DETAIL E
REMOVAL TIP -09



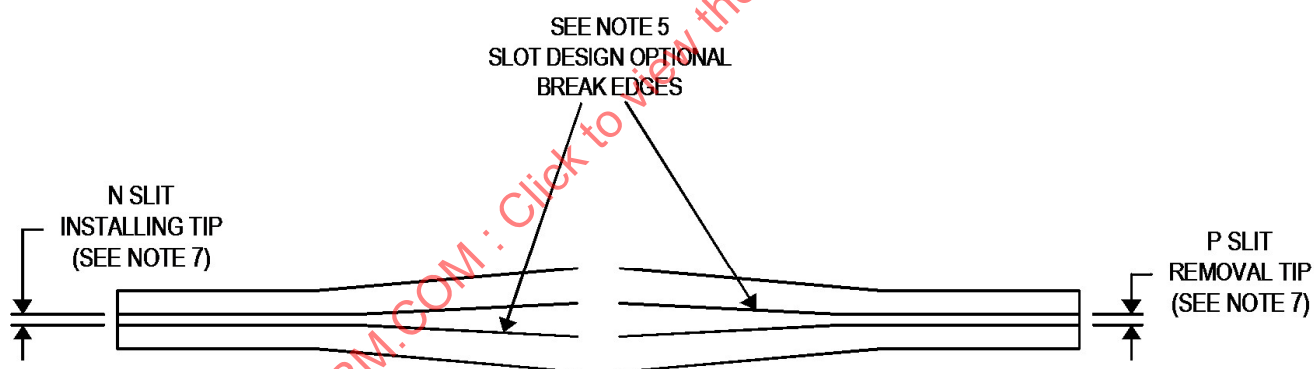
DETAIL F
INSTALLING TIP -03, -10, & -11



DETAIL G
INSTALLING TIP -04 & -05



DETAIL H
REMOVAL TIP -03, -04, -05, -10 & -11



DETAIL J
TOOL SLIT
FOR DASH -01, -03 THROUGH -05, AND -09 THROUGH -11
INSTALLING AND REMOVAL TIPS

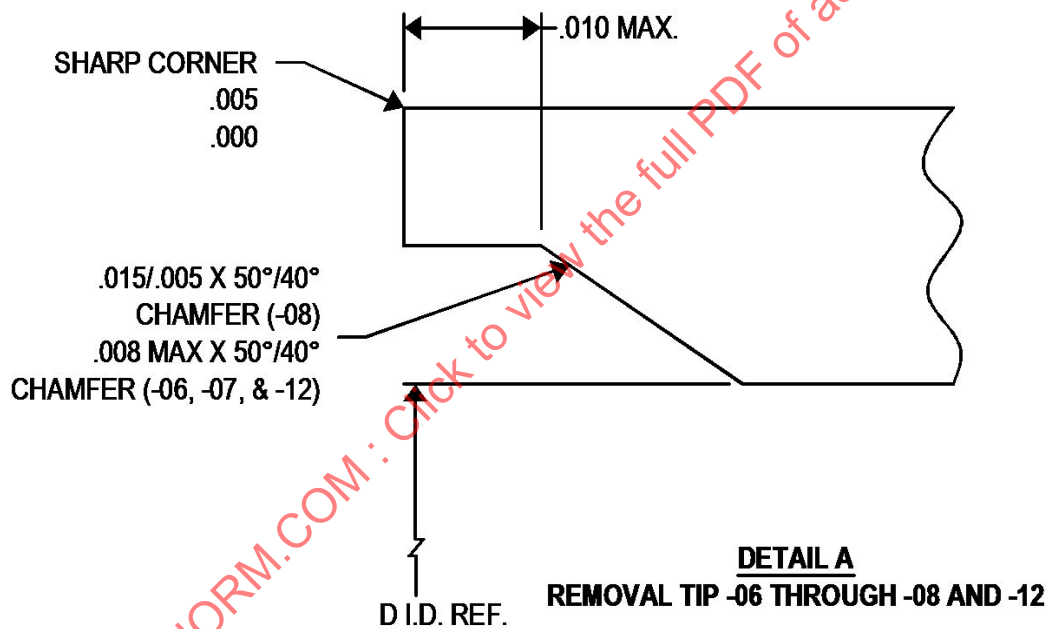
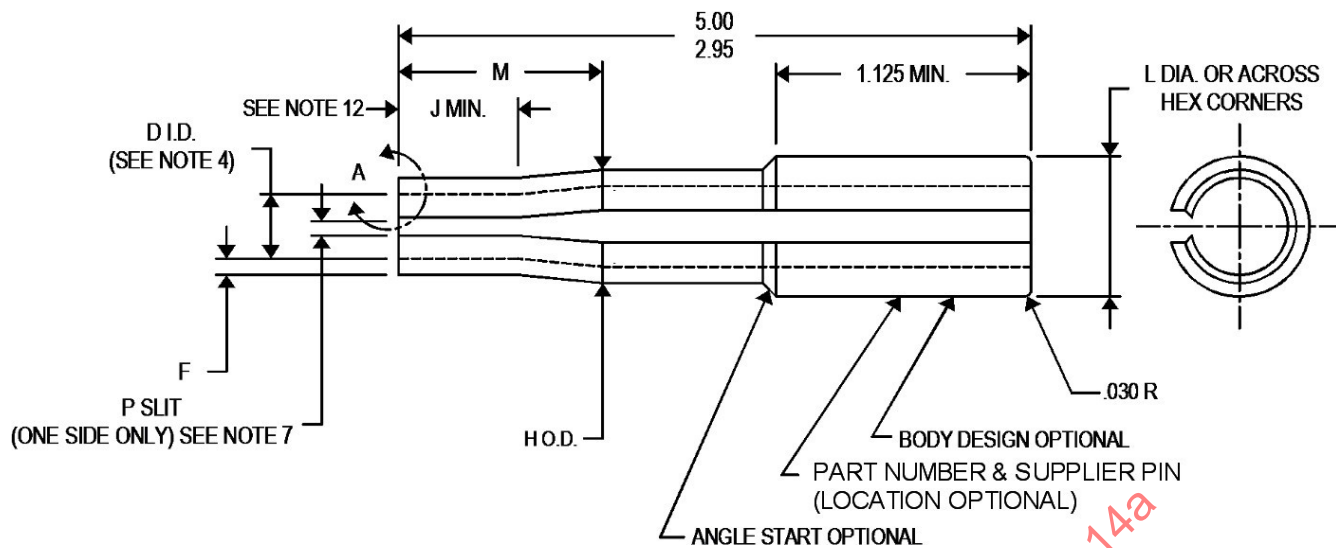


FIGURE 2 - REMOVAL TOOL AS81969/14 -06, -07, -08, AND -12 (SEE TABLE 1)

	AEROSPACE STANDARD		AS81969™/14 SHEET 6 OF 10	REV. A
	INSTALLING AND REMOVAL TOOLS, CONNECTOR ELECTRICAL CONTACT, TYPE III, CLASS 2, COMPOSITION B			

TABLE 1 - TOOL DIMENSIONS AND CONFIGURATIONS

DASH NO.	CONTACT SIZE	B	D DIA		F	G	H MAX 1/
			INSTALL TIP	REMOVAL TIP			
-01	22D	.0085 .0075	.048 .046	.050 .048	.0085 .0075	.058 .054	.090
-03	16	.010 .009	.104 .100	.105 .103	.016 .015	.115 .109	.231
-04	12	.012 .010	.154 .150	.160 .158	.0175 .0165	N/A	.287
-05	10	.012 .010	.207 .205	.215 .213	.018 .017	N/A	.290
-06	8	N/A	N/A	.278 .272	.020 .017	N/A	.400
-07	4	N/A	N/A	.390 .383	.019 .017	N/A	.537
-08	0	N/A	N/A	.565 .562	.028 .027	N/A	.765
-09	22	.008 .007	.052 .051	.049 .046	.0115 .0105	.0605 .0595	.076
-10	20	.009 .008	.070 .066	.071 .069	.0135 .0125	.085 .083	.150
-11	20	.009 .008	.070 .066	.080 .078	.014 .013	.085 .083	.150
-12	8	N/A	N/A	.278 .274	.022 .021	N/A	.390

1/ H REPRESENTS THE MAXIMUM TOOL OUTER DIAMETER THICKNESS AT A MINIMUM DISTANCE M.

N/A - NOT APPLICABLE

TABLE 1 - TOOL DIMENSIONS AND CONFIGURATIONS (CONTINUED)

DASH NO.	CONTACT SIZE	COLOR CODE		D MIN	L MAX	M MIN	N	P
		INSTALL TIP	REMOVAL TIP					
-01	22D	GREEN	WHITE	N/A	.290	.600	.012 .007	.012 .007
-03	16	BLUE	WHITE	.370	.440	1.000	.023 .013	.016 .010
-04	12	YELLOW	WHITE	.370	.440	1.000	.025 .015	.018 .011
-05	10	GRAY	WHITE	.500	.440	1.200	.032 .022	.026 .018
-06	8	N/A	RED	.585	.641	1.000	N/A	.032 .022
-07	4	N/A	BLUE	.585	.875	1.000	N/A	.034 .024
-08	0	N/A	YELLOW	.785	1.210	1.150	N/A	.036 .026
-09	22	BROWN	WHITE	N/A	.350	.330	.015 .010	.015 .010
-10	20	RED	ORANGE	.370	.290	.760	.015 .010	.012 .007
-11	20	RED	WHITE	.370	.290	.760	.015 .010	.012 .007
-12	8	N/A	GREEN	.500	.640	1.200	N/A	.032 .022

N/A - NOT APPLICABLE.


AEROSPACE STANDARD

INSTALLING AND REMOVAL TOOLS, CONNECTOR
ELECTRICAL CONTACT, TYPE III, CLASS 2,
COMPOSITION B

AS81969™/14
SHEET 7 OF 10

REV.
A

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

- 1. TOOL DIMENSIONS AND CONFIGURATIONS SHALL BE IN ACCORDANCE WITH FIGURES 1, 2, AND TABLE 1.
- 2. FIGURES 1 AND 2 NOTE REQUIREMENTS SHALL BE AS FOLLOWS:

NOTE 1 - DIMENSIONS ARE IN INCHES.

NOTE 2 - IF USED FOR MEASURING, METRIC EQUIVALENT SHALL BE BASED UPON 1.000 INCH = 25.4 MM. IN THE CASE OF CONFLICT THE ENGLISH UNITS SHALL USED.

NOTE 3 - TIPS SHALL BE CAPABLE OF BEING SEPARATED FROM CENTER SECTION (BODY) -01, -03 THROUGH -05, AND -09 THROUGH -11.

NOTE 4 - IN THE FREE STATE, THE TIP SHALL ALLOW ENTRY OF A "D MINIMUM" DIAMETER GAUGE PIN.

NOTE 5 - SLOT AND BODY DESIGN SHALL ALLOW ENTRY OF ALL APPLICABLE WIRE SIZES.

NOTE 6 - EACH TOOL SHALL BE LEGIBLY AND PERMANENTLY MARKED ON TOOL BODY WITH MANUFACTURER IDENTIFICATION AND PART NUMBER IN ACCORDANCE WITH MIL-STD-130 (LOCATION OPTIONAL). MANUFACTURER SYMBOL, IF USED, SHALL BE IN ACCORDANCE WITH AIR1351.

NOTE 7 - SLIT IS MEASURED WITH THE "D MAXIMUM" DIAMETER PIN INSERTED IN THE TIP END.

NOTE 8 - THIS IS THE POINT WHERE THE "G" INNER DIAMETER, AND FOR THE -01 TOOL TIP, THE 0.077 OUTER DIAMETER MAXIMUM BEGINS.

NOTE 9 - THE OUTER DIAMETER AND "D" INNER DIAMETER SHALL REMAIN CONSTANT FOR THE DIMENSION.

NOTE 10 - FOR -01 TOOL TIP, THE OUTER DIAMETER SHALL INCREASE AT A CONSTANT SLOPE FROM THE .077 OUTER DIAMETER TO THE "H" OUTER DIAMETER. FOR ALL OTHER TOOL TIPS, EXCEPT THE -09 TOOL TIP, THE OUTER DIAMETER SHALL INCREASE AT A CONSTANT SLOPE FROM THE END OF THE "J" DIMENSION TO THE "H" OUTER DIAMETER AT "M MINIMUM" DIMENSION.

NOTE 11 - THE WALL THICKNESS SHALL BE HELD FOR THE LENGTH OF "J", AND THE "G" DIAMETER SHALL BE HELD FROM ITS ORIGIN TO LENGTH OF "J".

NOTE 12 - AFTER DIMENSION .070/.030, THE WALL THICKNESS SHALL REMAIN CONSTANT FOR THE LENGTH OF "J".

NOTE 13 - FOR -09 TOOL TIP, THE "H" OUTER DIAMETER BEGINS AT "G" INNER DIAMETER START AND SHALL REMAIN CONSTANT FOR THE LENGTH OF "M".

NOTE 14 - THE "D" INNER DIAMETER SHALL REMAIN CONSTANT FOR THE LENGTH OF THE DIMENSION.

- 3. TOOL MATERIAL SHALL BE ACETAL RESIN (FORMULATION OPTIONAL).
- 4. PART IDENTIFICATION NUMBER (PIN):

