

RATIONALE

THIS DETAIL SPECIFICATION SHEET IS REQUIRED TO ALLOW THE CANCELLATION AND SUPERSESSION OF MIL-I-81969/27 WITH THIS DOCUMENT, TO IMPROVE DRAWING LEGIBILITY, TO UPDATE QUALIFICATION INFORMATION, TO REMOVE GOVERNMENT JARGON, AND TO UPDATE REFERENCES.

NOTICE

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

AS81969™/27

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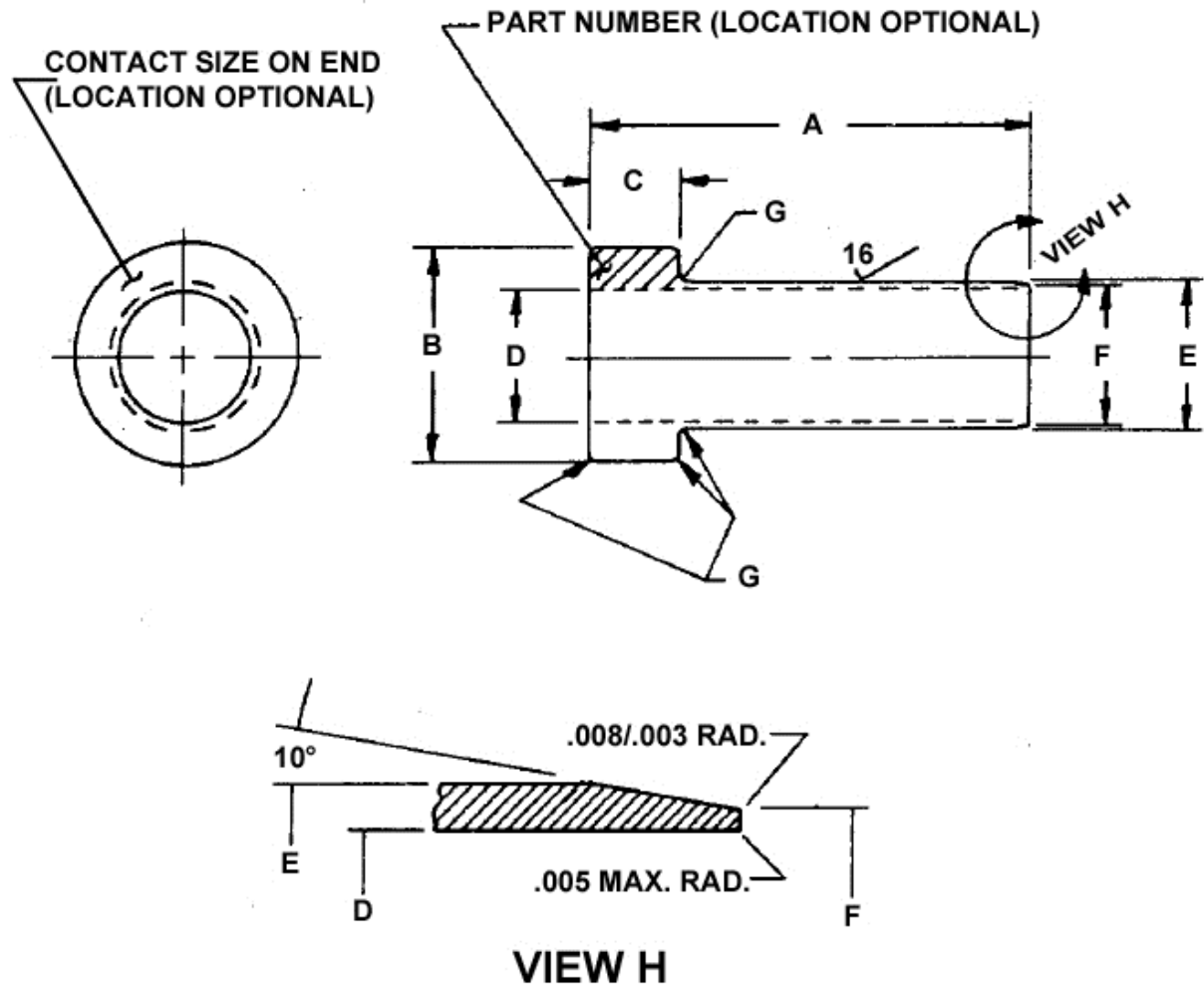
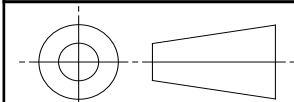


FIGURE 1 - REMOVAL TOOL CONFIGURATIONS/DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS81969/27>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81969



AEROSPACE STANDARD

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

AS81969™/27
SHEET 1 OF 2

Documents

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ISSUED 2015-06 REAFFIRMED 2020-08

TABLE 1 - FIGURE 1 DIMENSIONS/SUPERSEDED PART NUMBERS

DASH NUMBER	WIRE BARREL SIZE	A ±.016 (0.41)	B DIA. ±.016 (0.41)	C ±.016 (0.41)	D DIA. +.002/- .000 (0.05/0.00)	E DIA. +.000/- .002 (+0.00/-0.05)	F DIA. -.000/+ .002 (-0.00/+0.05)	G RAD. ±.031 (0.79)	SUPERSEDED PART NUMBER
-01	4/0	2.500 (63.50)	1.250 (31.75)	.500 (12.70)	.753 (19.13)	.790 (20.07)	.772 (19.61)	.062 (1.57)	MS90562-1
-02	2/0		1.125 (28.58)		.659 (16.74)	.696 (17.68)	.678 (17.22)		MS90562-2
-03	1/0		1.000 (25.40)		.521 (13.23)	.558 (14.17)	.540 (13.72)		MS90562-3
-04	2		.938 (23.83)		.425 (10.80)	.462 (11.73)	.444 (11.28)		MS90562-4
-05	4		.875 (22.22)		.339 (8.61)	.376 (9.55)	.358 (9.09)		MS90562-5
-06	6		.812 (20.62)		.317 (8.05)	.354 (8.99)	.336 (8.53)		MS90562-6

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

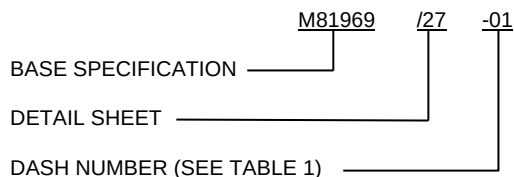
- DESIGN: THE TOOL SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1 AND 2 AND TABLE 1. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS IN TABLE 1 ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±.010 INCH (0.25 MILLIMETERS) FOR DECIMALS AND ±2° FOR ANGLES. CONCENTRICITY IS .004 INCH (0.10 MILLIMETERS) TIR (RFS).

- MATERIAL AND FINISHES:

MATERIAL - CORROSION RESISTANT STEEL PER AMS-QQ-S-763, CLASS 303, CONDITION A.

FINISH - NOT APPLICABLE.

- PART NUMBER/MARKING: SEE EXAMPLE BELOW:



EACH TOOL SHALL BE LEGIBLY AND PERMANENTLY MARKED ON THE HANDLE WITH THE MANUFACTURER'S IDENTIFICATION AND PART NUMBER IN ACCORDANCE WITH MIL-STD-130. MANUFACTURER SYMBOL, IF USED, SHALL BE IN ACCORDANCE WITH AIR1351.

- QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH AS81969. HOWEVER, ALTERNATIVE QUALIFICATION REQUIREMENTS SUCH AS CERTIFICATION, FIRST ARTICLE OR QC TESTING MAY BE IMPOSED BY THE QUALIFYING ACTIVITY (QA). THE QA SHALL SUBMIT A WRITTEN REQUEST TO THE AE-8C2 COMMITTEE FOR REVIEW AND APPROVAL OF THE ALTERNATIVE QUALIFICATION TESTING PROGRAM PRIOR TO IMPLEMENTATION OF THE REQUIREMENT.

APPLICATION NOTES:

- THIS TOOL SHALL BE USED TO REMOVE AS39029/48 AND /49 CONTACTS FROM CONNECTORS SPECIFIED IN MIL-DTL-22992.
- THIS DOCUMENT SUPERSEDES MS90562D DATED 6 JUNE 1980 AND MIL-I-81969/27 DATED 11 JANUARY 1979.

SPECIFICATION NOTES:

- A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

	AEROSPACE STANDARD	AS81969™/27 SHEET 2 OF 2 	
	REMOVAL TOOLS, CONNECTOR, ELECTRICAL CONTACT, TYPE II, CLASS 1, COMPOSITION A		