

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE.

AMSC N/A

5120-B090

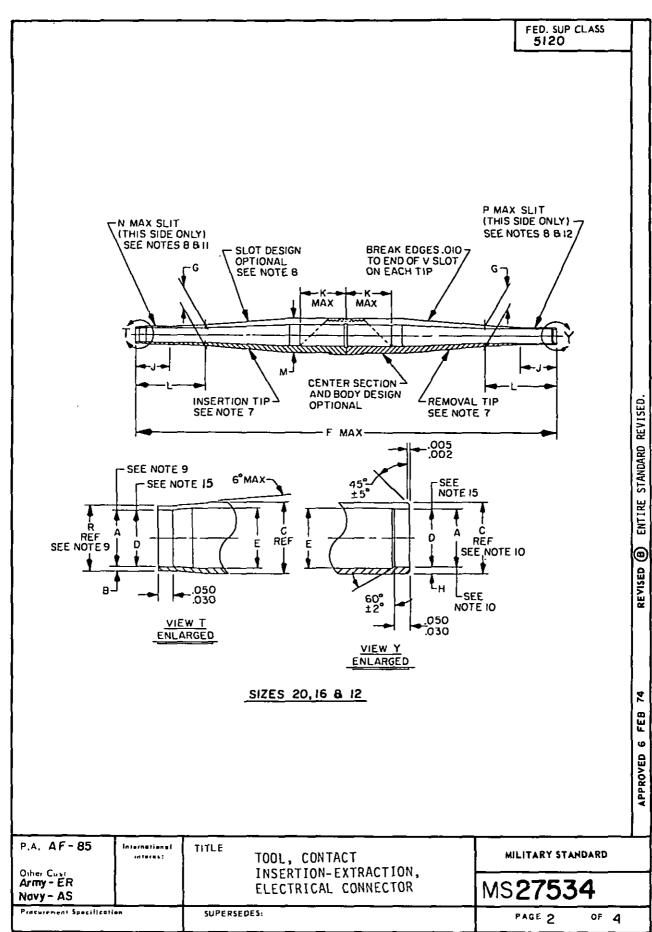
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Review activities: Army - CR User activities:
Navy - EC
Air Force - 65

Air Force

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User activities: Army Navy User activities: Army -Navy -Air Force -Army - AR Navy - EC Air Force - 85 Review activities: This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

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ENTIRE STANDARD REVISED.

REVISED (B)

APPROVED

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P.A. AF 85	international interest	TOOL, CONTACT INSERTION-EXTRACTION,	MILITARY STANDARD
Other Cust Army_ER Navy - AS	<u> </u>	ELECTRICAL CONNECTOR	MS 27534
Pracutement Specificati	€n	SUPERSEDES:	PAGE 3 OF 4

[Color chart [(see note 7)

REVISED

STANDARD

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NOTES:

- Dimensions are in inches.
- Metric equivalents are given for general information only.
- 3. Material: Acetal Co-polymer.
- 4. For design feature purposes, this standard takes precedence over acquisition documents referenced herein.
- Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this standard to the extent specified herein.
- Tips must be capable of being separated from center section.
- Each tool shall be permanently marked with the assembly part number. Vendor markings are permissible. Insertion tip to be color indicated in the color chart; removal tip to be white.
- Design for slot optional. Slot design must allow easy entry of all applicable wire sizes.
- Circumferential dimension. Part requirement: tip of tool must be capable of accepting a pin of "A" max diameter after being inserted into "R" diameter hole.
- 10. Circumferential dimension. Part requirement: tip of tool must be capable of accepting a pin of "A" max diameter after being inserted in to a "C" diameter hole
- "N" max slit is measured with tip of tool in "R" diameter hole.
 "P" max slit is measured with tip of tool in "C" diameter hole. 12.
- Tips must be smooth and free from burns and sharp edges. 13.
- Tools are used to insert and remove contacts from connectors conforming to the following. Wire acceptance ranges are given for information only.

Applicable	Contact	
Military Specification	size	Wire size (OD)
11L-C-005015 (NAVY)	16	.053103
MS-3450's	12	.085158
4IL-C-24308	22D	-054 max
MIL-C-0026482 (NAVY)	20	.040083
Series 2	16	.053103
	12	.099158
41L-C-38999	22D	.030060
	20	.040083
	16	.065109
	12	.097142
MIL-STD-1549 Components		_
using MIL-C-39029/22 contacts	22	.030060
· ·	20	.040083
	16	.065109
	12	.097142
MIL-C-0081511 (NAVY)	22	.030054
MIL-C-81703 (NAVY)	20	.040083
Series 2	16	.053103
	12	.099158
41L-C-83723	20	.040083
	16	.053103
	12	.097158
MIL-C-83733 (USAF)	22D	.030060
• •	20	.040083
	16	.063103
	12	.081158

15. D diameter represents tool tip I.D. in free state.

P.A. AF-85	International Interest	TITLE TOOL, CONTACT	MILITARY STANDARD
Other Cust Army - ER Navy - AS		INSERTION-EXTRACTION, ELECTRICAL CONNECTOR	MS 27534
Procurement Specifical	tien	SUPERSEDES:	PAGE 4 OF 4