

MIL-I-81969/16A
 11 JANUARY 1979
 SUPERSEDING 1/
 MIL-I-81969/16
 2 August 1976

MILITARY SPECIFICATION SHEET
 INSTALLING AND REMOVAL TOOLS, CONNECTOR ELECTRICAL CONTACT,
 TYPE III, CLASS 1, COMPOSITION B

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the tools described herein shall consist of this document and the latest issue of Specification MIL-I-81969.

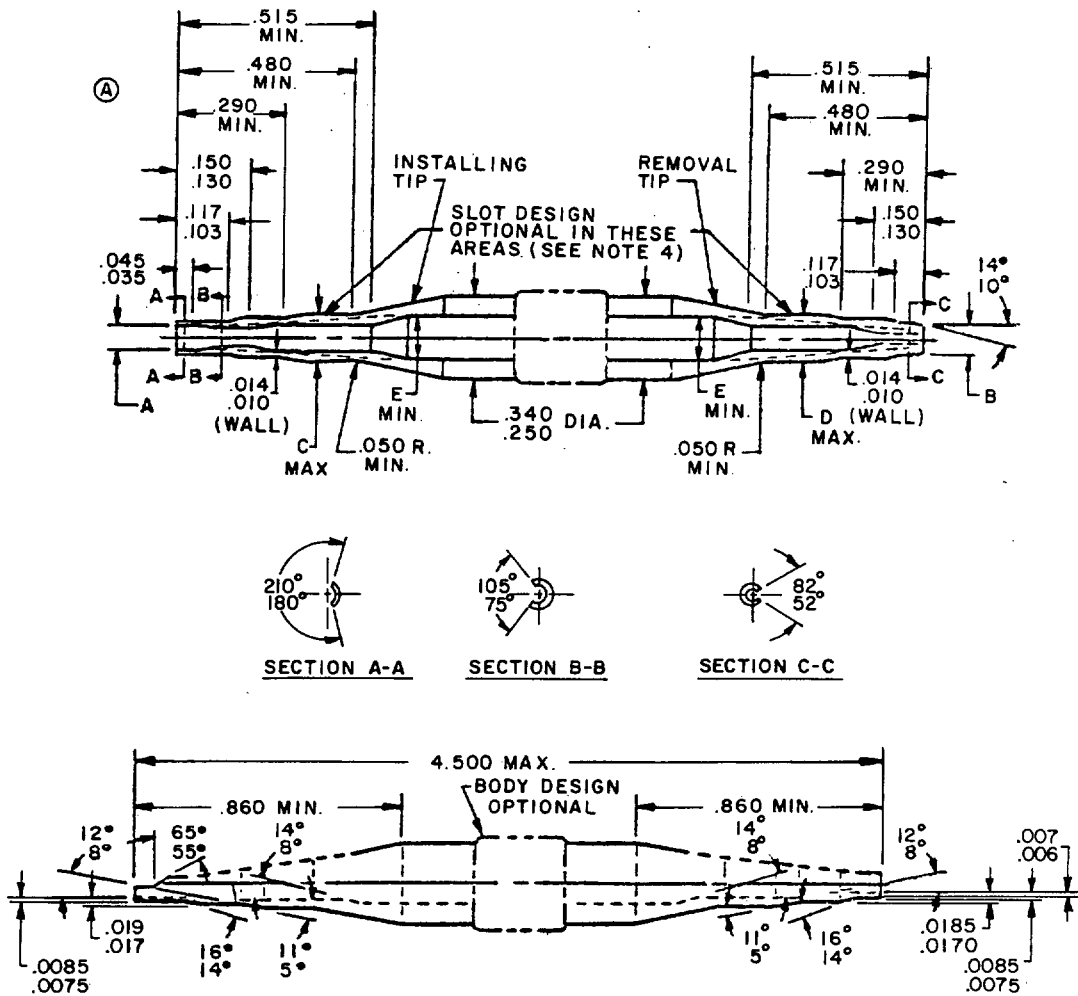


FIGURE 1. Installing and removal tool, dash -01 and -02.

(A) Denotes changes.

1/ For complete supersession data, see page 5 of this specification.

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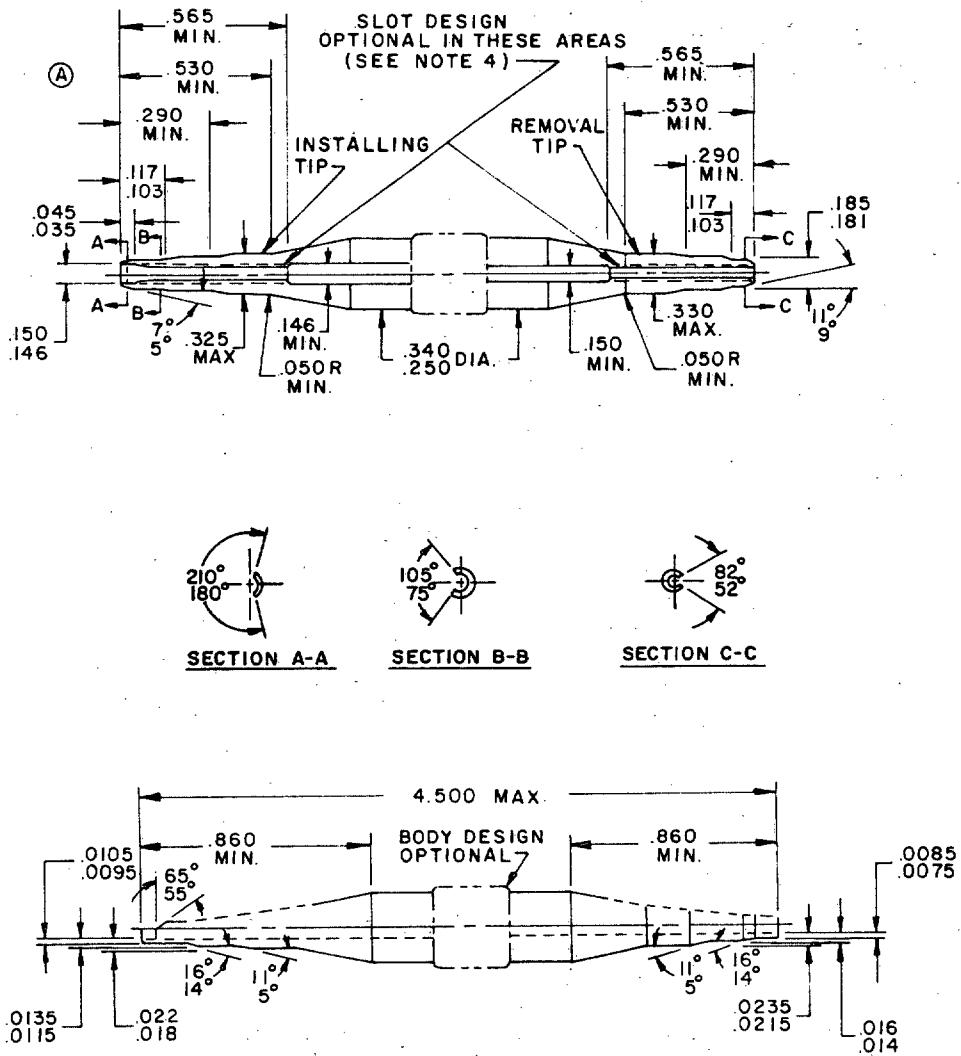


FIGURE 2. Installing and removal tool, dash -03.

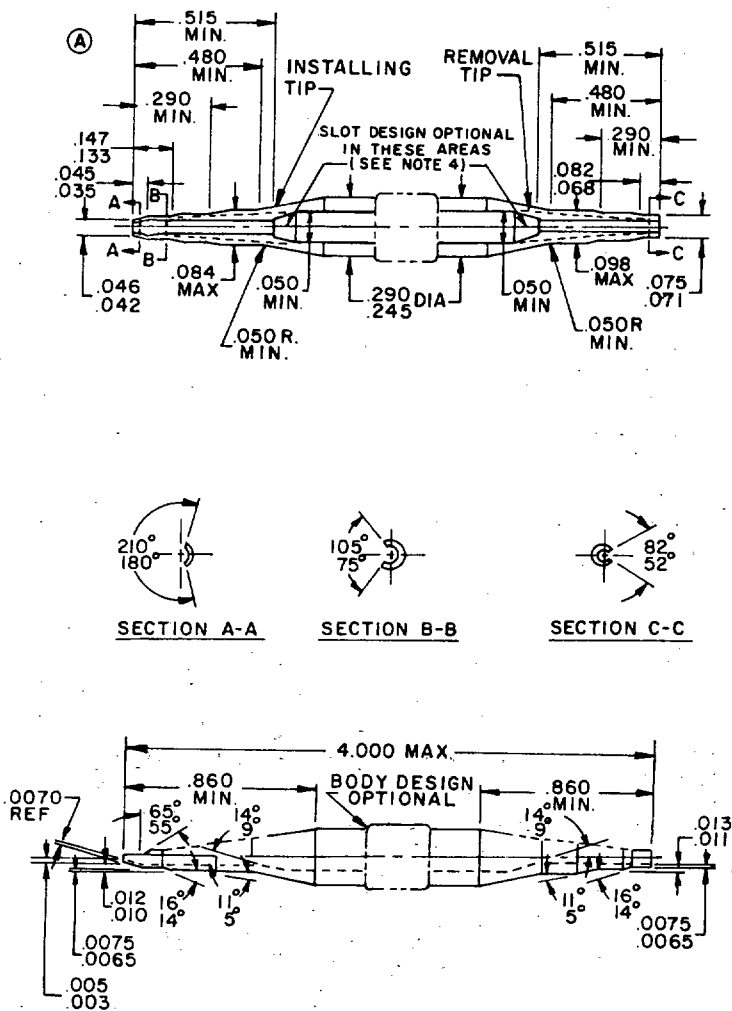


FIGURE 3. Installing and removal tool, dash -04.

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INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.003	.08	.011	.28	.0185	.470	.060	1.52	.133	3.38	.330	8.38
.005	.13	.0115	.292	.019	.48	.068	1.73	.146	3.71	.340	8.64
.006	.15	.012	.30	.0215	.546	.071	1.80	.147	3.73	.480	12.19
.0065	.165	.013	.33	.022	.56	.075	1.90	.150	3.81	.515	13.08
.0070	.178	.0135	.343	.0235	.597	.082	2.08	.181	4.60	.530	13.46
.0075	.190	.014	.36	.035	.89	.084	2.13	.185	4.70	.565	14.35
.0085	.216	.016	.41	.042	1.07	.098	2.49	.245	6.22	.860	21.84
.0095	.241	.017	.43	.045	1.14	.103	2.62	.250	6.35	4.000	101.60
.010	.25	.0170	.432	.046	1.17	.117	2.97	.290	7.37	4.500	114.30
.0105	.267	.018	.457	.050	1.27	.130	3.30	.325	8.26		

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NOTES:

- Dimensions are in inches.
- Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
- Tips shall be smooth and free from burrs, nicks, and sharp edges.
- Slot design shall allow all applicable wire sizes to snap into tool freely.
- Each tool shall be legibly and permanently marked on the side of the body in accordance with MIL-STD-130.
- Metric equivalents are in parentheses.

FIGURE 4. Metrics and notes for figures 1, 2, and 3.

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TABLE I. Dash numbers, contact size, dimensions, and superseded part numbers.

Dash number	Contact size	Color code		Figure	A	B	C	D	E	Superseded part number
		Installing tip	Removal tip		±.002 (.05) I.D.	±.002 (.05) O.D.	Dia	Dia	Dia	
-01	20	Red	White	1	.058 (1.47)	.092 (2.34)	.110 (2.79)	.130 (3.30)	.090 (2.29)	MS3160-20
-02	16	Blue	White	1	.088 (2.24)	.128 (3.25)	.160 (4.06)	.190 (4.83)	.110 (2.79)	MS3160-16
-03	12	Yellow	White	2	Dimensions, see figure 2.					MS3160-12
-04	22	Green	White	3	Dimensions, see figure 3.					MS3160-22

Ⓐ REQUIREMENTS:

Dimensions and configurations: See figures 1, 2, 3, 4, and table I.

Material: Molded acetal, polyamide plastic, or approved equivalent.

Plating: Not applicable.

Plunger force: Not applicable.

Part number: M81969/16 - (and dash number from table I).

Application: These tools shall be used to install and remove contacts from connectors specified in MIL-C-81511, series 3 and 4.

Supersession data: In addition to MIL-I-81969/16, the following document is also superseded by this specification.
a. MS3160(NAVY), dated 8 October 1971.

Custodians:

Army - CR
Navy - AS
Air Force - 85

Review activities:

Army - MI, AR, AT, GL
Navy - EC, SH, OS
Air Force - 11, 17, 99
DLA - ES

User activities:

Army - ME, AV
Navy - MC, YD
Air Force - 19

Preparing activity:

Navy - AS

Agent:

DLA - ES

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