

INCH-POUND

MIL-DTL-5423/17A

19 August 2019

MIL-DTL-5423/17

18 February 2010

DETAIL SPECIFICATION SHEET

BOOT, DUST AND WATER SEAL, BUSHING SEAL, TYPE A STYLE 10 (PANEL BUSHING SEAL ONLY)

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

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-5423.

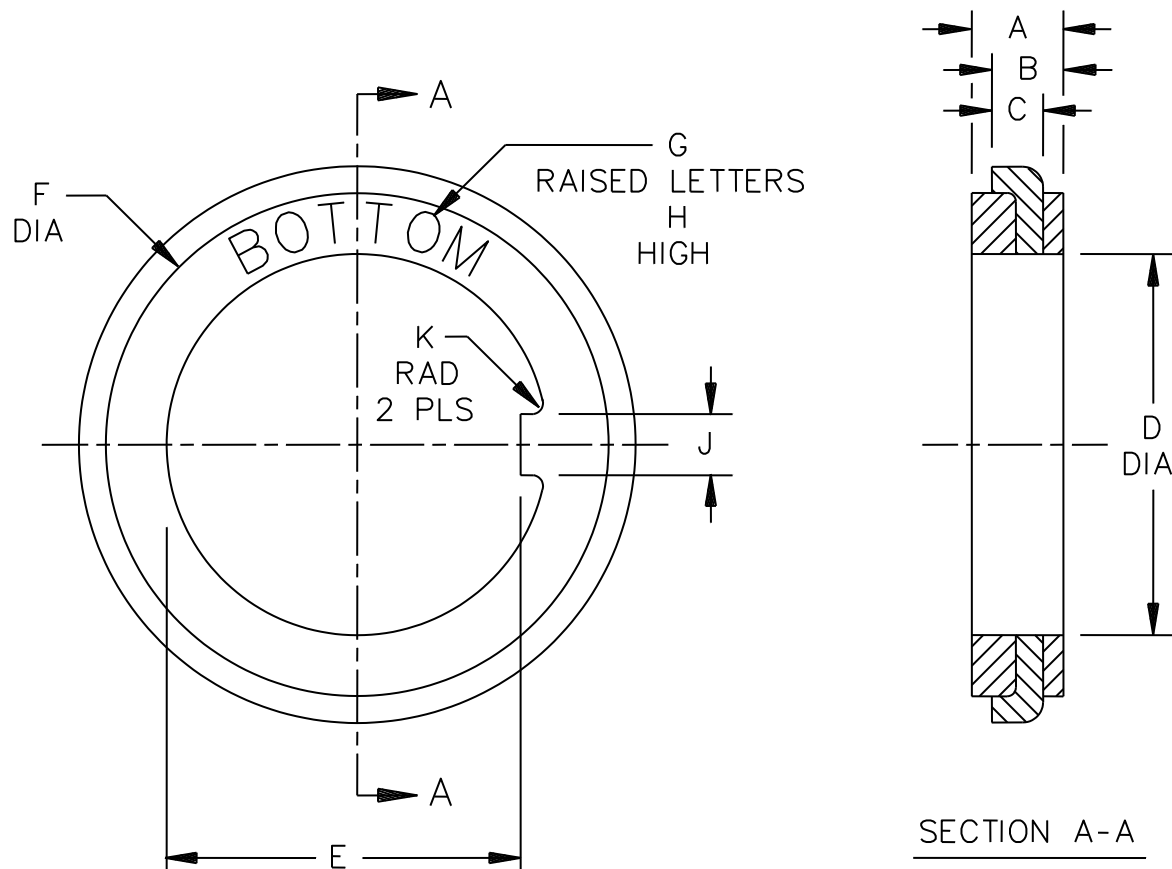


FIGURE 1. Dimensions and configuration boots type A, style 10.

AMSC N/A

FSC 5930



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	Inches			mm	
A	0.110	$\begin{smallmatrix} +.010 \\ -.005 \end{smallmatrix}$		2.79	$\begin{smallmatrix} +0.03 \\ - \\ 0.0127 \end{smallmatrix}$
B	.086			2.18	
C	.062	$\begin{smallmatrix} 0.015 \\ -.013 \end{smallmatrix}$		1.57	$\begin{smallmatrix} +0.04 \\ -0.033 \end{smallmatrix}$
D	.466	$\begin{smallmatrix} +.006 \\ -.005 \end{smallmatrix}$		11.84	$\begin{smallmatrix} +0.02 \\ -0.01 \end{smallmatrix}$
E	.426	$\begin{smallmatrix} +.006 \\ -.006 \end{smallmatrix}$		10.82	$\begin{smallmatrix} +0.02 \\ -0.02 \end{smallmatrix}$

	Inches			mm	
F	.610	$\begin{smallmatrix} +.015 \\ -.015 \end{smallmatrix}$		15.49	$\begin{smallmatrix} +0.04 \\ -0.04 \end{smallmatrix}$
G	.062			1.57	
H	.015			0.38	
J	.078	$\begin{smallmatrix} +.005 \\ -.006 \end{smallmatrix}$		1.98	$\begin{smallmatrix} +0.01 \\ -0.02 \end{smallmatrix}$
K	.015			0.38	

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. This seal is intended for use with toggle switches per MIL-DTL-3950, MIL-DTL-8834, and MIL-DTL-83731.
4. Bushing seal to be assembled so that surface marked "Top" is up, or "Bottom" is down.

FIGURE 1. Dimensions and configuration boots type A, style 10 – Continued.

REQUIREMENTS

Dimensions and configuration: See figure 1.

Silicon rubber: Grade 50.

Watertightness: The boot (bushing seal) shall be assembled to the test enclosure using a solid bushing of dimensions equivalent to a bushing of an applicable switch (including the non-turn notch). The solid bushing and bushing seal shall be assembled per figure I. The test shall be conducted in accordance with the "Final" watertightness test of MIL-DTL-5423, except that the pressure shall be limited to 6 pounds-force per square inch gauge, external pressure only, and no operations are required. At the conclusion of this procedure, the test enclosure shall be examined in the bushing area for evidence of water leakage.

The following tests are not required: Restoring force, durability, sand and dust, vibration, salt spray, endurance and lubricant.

Part or Identifying Number (PIN): M5423/17-01

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

Reference Documents:

MIL-DTL-5423	MIL-DTL-3950
MIL-DTL-8834	MIL-DTL-83731

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2019-030)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.