

DETAIL SPECIFICATION SHEET

BOOT, DUST AND WATER SEAL, TYPE D (FOR LEVER OPERATED CIRCUIT BREAKERS), STYLE 2 (PANEL MOUNTED COMPLETE WITH MOUNTING FRAME)

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](#).

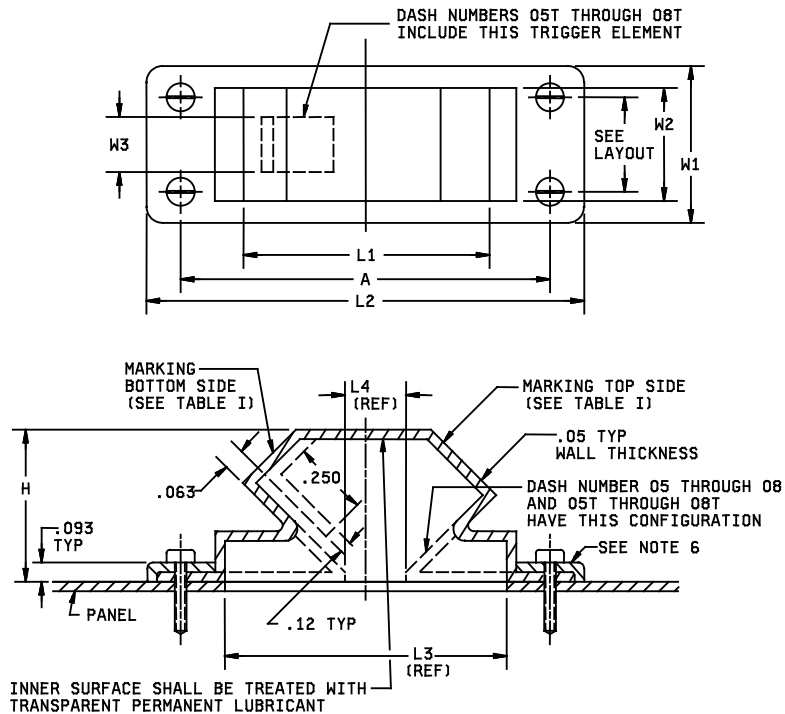


FIGURE 1. Dimensions and configuration boots type D, style 2.



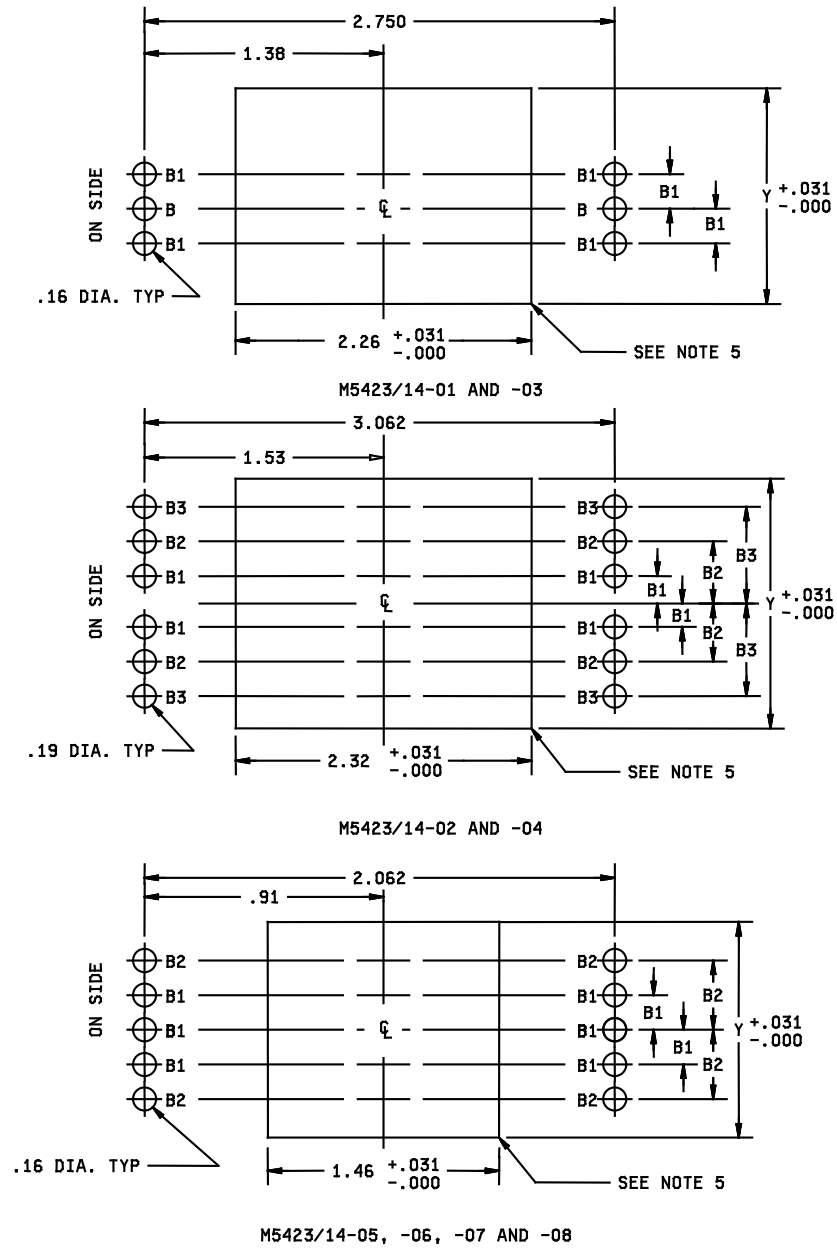
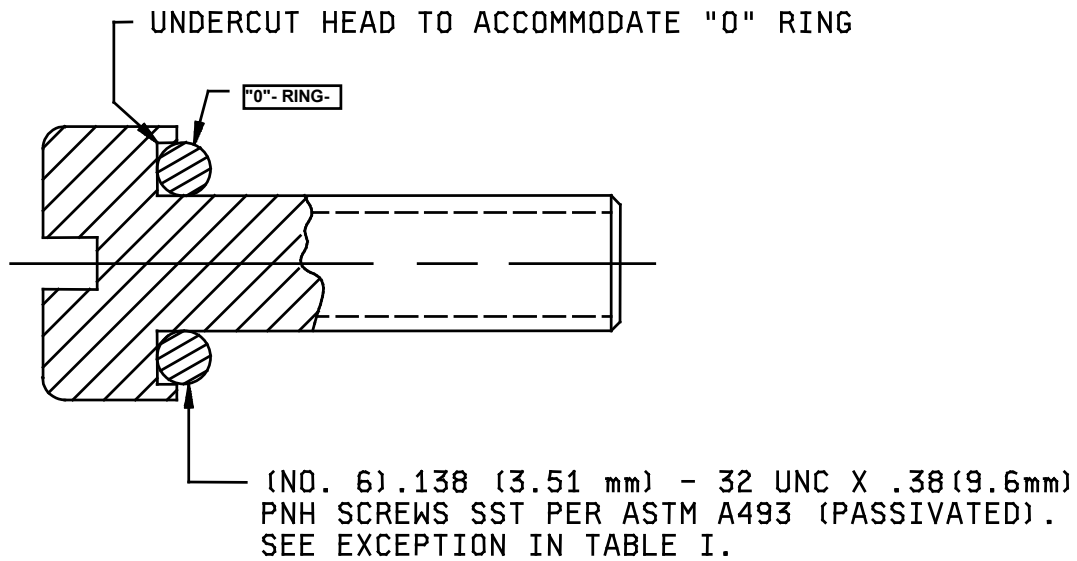


FIGURE 1. Dimensions and configuration boots type D, style 2 – Continued.



NOTES:

1. Dimensions are in inches.
2. DELETED
3. Unless otherwise specified, tolerances are ± 0.02 for two place decimals and ± 0.031 for three place decimals.
4. The number of mounting screws shall be supplied as indicated.
5. Edges shall be smooth and free from burrs.
6. Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for frame materials.

FIGURE 1. Dimensions and configuration boots type D, style 2 – Continued.

MIL-DTL-5423/14J

REQUIREMENTS

Dimensions and configuration: See figure 1.

Silicon rubber: Grade 50, transparent.

Splashproof: In accordance with [MIL-STD-108](#), table I.

Endurance (with applicable circuit breaker): 10,000 operations, see [MIL-DTL-5423](#). Minute cracks after life test, which do not permit leakage, shall not be cause for rejection.

Part or Identifying Number (PIN): See tables I and II.

Table I. Part or identifying numbers (PIN).

PIN's <u>1/</u>		Dimensions $\pm .031$								
M5423/14-		A	L1	L2	W1	W2	H	L3	L4	W3
01		2.750	2.125	3.937	1.500	1.093	1.109	2.25	None	None
02		3.062	2.000	3.625	2.062	1.343	1.125	2.31	None	None
03		2.750	2.000	3.718	3.656	3.156	.921	2.25	None	None
04		3.062	2.000	3.500	4.812	4.312	1.000	2.31	None	None
05	05T	2.062	1.875	2.625	1.375	.843	.875	None	1.44	.375
06	06T	2.062	1.875	2.656	2.218	1.593	.875	None	1.44	1.00
07	07T	2.062	1.875	2.656	2.906	2.343	.875	None	1.44	1.00
08	08T	2.062	1.781	2.656	3.718	3.093	.875	None	1.44	1.00

1/ M5423/14-05T through -08T includes a trigger element.

Table II. Mounting and hardware information.

Mounting holes <u>1/</u>									Panel
PIN's <u>1/</u>		Number	Location				Markings		cutout
M5423/14-		of screws	B	B1	B2	B3	Top side	Bottom side	Y
01		2	yes	none	none	none	ON	none	1.00
02		4 <u>2/</u>	none	.500	none	none	none		1.25
03		6	yes	1.031	none	none	ON	none	3.06
04		12	none	.500	1.000	2.000	ON	none	4.25
05	05T	2	yes	none	none	none	ON	none	.76
06	06T	4	none	.750	none	none	ON	none	1.53
07	07T	6	yes	.750	none	none	ON	none	2.28
08	08T	8	none	.375	1.125	none	ON	OFF	3.06

1/ M5423/14-05T through -08T includes a trigger element.

2/ Screws shall be 8-32 UNC X .38 long, slotted pan head.

Reference Documents

[MIL-DTL-5423](#)
[MIL-STD-108](#)
[ASTM-A493](#)

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.

Custodians:

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

Preparing activity:
DLA - CC

(Project 5930-2024-002)

Review activities:

Army - AT, AV, CR4
Navy - CG, MC, SH

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/>.