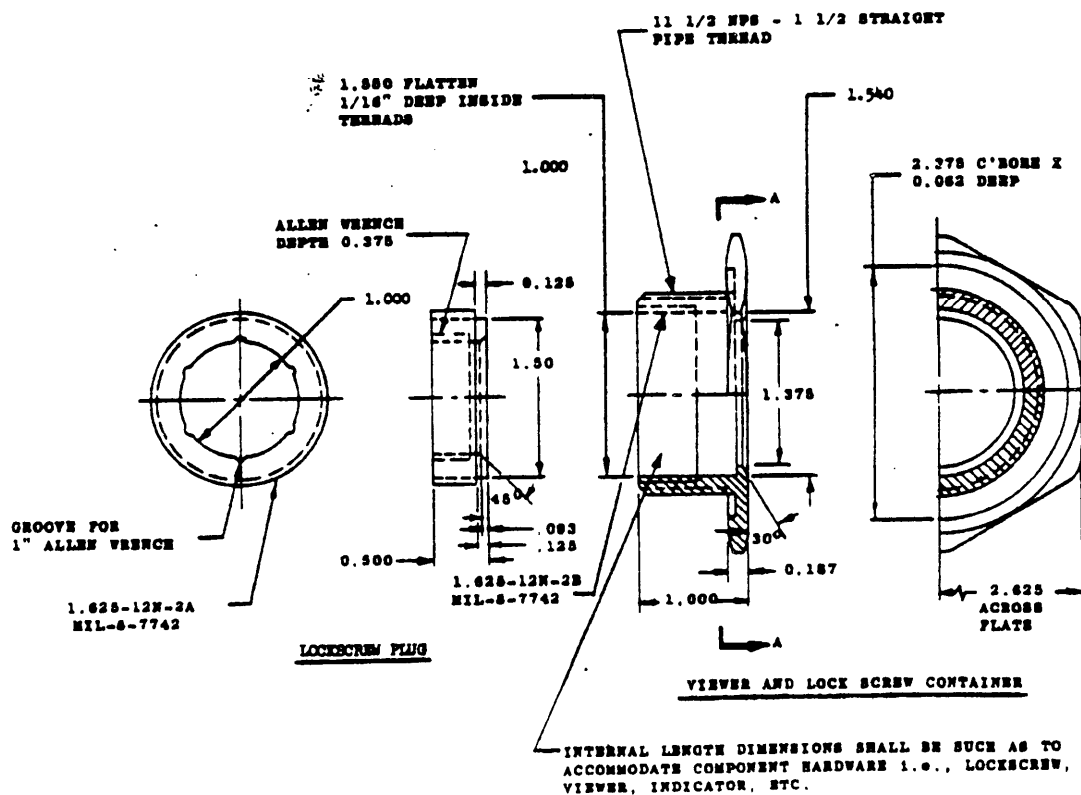
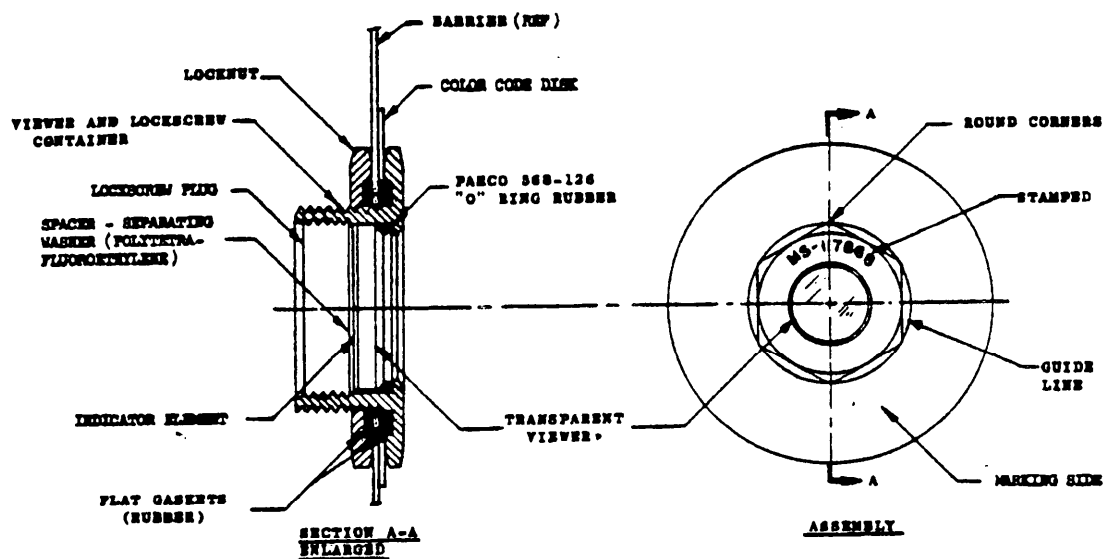


FED. SUP CLASS
6685

(A) REVISED AND REDRAWN

P.A. NAVY-Weps Other Case	TITLE INDICATOR, PROPELLANT LEAK, PLUG, COLOR CHANGE, FOR UNSYMMETRICAL DIMETHYLHYDRAZINE AND FUMING NITRIC ACID.	MILITARY STANDARD MS17868(Weps)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 3

This standard has been approved by the BUREAU OF NAVAL WEAPONS
Department of the NAVY, and is mandatory for use by
the activity. All other military activities are required
to comply with this standard where suitable.

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 6 July 1962 REVISED 9 June 1964

		FED. SUP CLASS 6685
<p>2.375 C-BORE X 0.062 DEEP</p> <p>1.877 ± 0.005 11 1/2 NPS - 1 1/2 STRAIGHT PIPE THREAD</p> <p>0.250</p> <p>2.625</p> <p>LOCKNUT</p> <p>0.250</p> <p>1.375</p> <p>0.250</p> <p>1.840</p> <p>450</p> <p>TRANSPARENT VIEW</p>		
<p>0.022 THK</p> <p>GUIDE LINE</p> <p>MSI7868</p> <p>PROPELLANT LEAK INDICATOR</p> <p>Notify Safety Officer If Black Or Yellow Color Appears</p> <p>2.370 DIA - TO FIT OVER FLAT GASKETS (NUMBER)</p> <p>6.000 DIA</p> <p>SEMI-CIRCLE COLOR INDICATIONS</p> <p>Black - MAF Leak</p> <p>Yellow - IRFNA Leak</p> <p>White - OK</p> <p>Off White - OK</p> <p>WHITE LETTERING</p> <p>WHITE LETTERING</p> <p>RED, CONFORMING APPROX TO FED STD 595, CHIP NO. 11105</p> <p>COLOR CODE DISK</p>		
<p>DD FORM 672-1 (Limited coordination)</p>		

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to comply with this standard where applicable.

P.A. NAVY-Weps	TITLE	MILITARY STANDARD
Other Cost	INDICATOR, PROPELLANT LEAK, PLUG, COLOR CHANGE, FOR UNSYMMETRICAL DIMETHYLHYDRAZINE AND FUMING NITRIC ACID.	MSI7868(Weps)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 of 3

DD FORM 672-1 (Limited coordination)

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NOTES:

1. MATERIAL: PLUGS, ALUMINUM ALLOY 6061, SPECIFICATION QQ-A-325. INDICATING ELEMENT, BLOTTERING PAPER, SPECIFICATION UU-P-63, GRADE B, .185 ± .0035 THICK. COLOR OF THE BLOTTERING PAPER SHALL BE WHITE. GASKETS, RUBBER, SPECIFICATION MIL-R-6855, CLASS II, GRADE 60. SEPARATING WASHER (1.50 OD AND 1.25 ID, LOCATED BETWEEN THE PLUG AND INDICATING ELEMENT SHALL BE POLYTETRAFLUOROETHYLENE. VIEWING SURFACE, CLEAR TRANSPARENT GLASS. COLOR CODE DISK, RED WEATHER RESISTANT PLASTIC, 20 ± 3 MILS THICK. LETTERING ON THE COLOR CODE DISK SHALL BE 1/8 INCH HIGH AND SHALL BE PRINTED DIRECTLY ON THE DISK OR ON LABELS WHICH SHALL BE WATERPROOF AND WEATHER-PROOF. LETTERING SHALL NOT BE OBLITERATED BY NORMAL HANDLING OR DISERSION IN WATER AND SHALL NOT FADE UPON EXPOSURE TO DIRECT SUNLIGHT.
2. FINISH: THE INDICATING ELEMENT SHALL CONSIST OF TWO SEMICIRCLES, ONE OF WHICH SHALL BE IMPREGNATED WITH ENOUGH N-PHENYLAFTERANILIC ACID TO TURN BRIGHT YELLOW WHEN EXPOSED TO FUMING NITRIC ACID. THE SECOND SHALL BE IMPREGNATED WITH ENOUGH MERCURIC CHLORIDE TO TURN BLACK WHEN EXPOSED TO MAF-1 FUMES. THE INDICATING PAPER CONTAINING N-PHENYLAFTERANILIC ACID SHALL BE PREPARED BY DIPPING THE PAPER IN A SOLUTION OF 0.2% OR MORE BY WEIGHT OF N-PHENYLAFTERANILIC ACID IN METHYL ALCOHOL. THE INDICATING PAPER CONTAINING MERCURIC CHLORIDE SHALL BE PREPARED BY ADDING SEVERAL DROPS OF A MIXTURE, CONTAINING 1% BY WEIGHT OF MERCURIC CHLORIDE AND 1% BY WEIGHT OF CARBOXYMETHYLCELLULOSE IN WATER, TO THE PAPER.
3. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY SPECIFICATION MIL-D-70327.
4. THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
6. PREPARATION FOR DELIVERY: PLUGS SHALL BE INDIVIDUALLY SEALED IN TRANSPARENT BAGS CONFORMING TO SPECIFICATION MIL-B-22205, TYPE III, AND SHUGLY PACKAGED, TO PRECLUDE MOVEMENT OF THE ITEM, IN CASE CONFORMING TO SPECIFICATION FPP-C-96, TYPE V, CLASS 2. PACKING METHOD SHALL BE AS SPECIFIED IN THE APPENDIX OF SPECIFICATION FPP-C-96.
7. A GUIDE LINE SHALL BE USED TO CENTER THE DISK AT ASSEMBLY.
8. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± .005 ANGLES ± 1/2°.

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APPROVED 6 JULY 1962 REVISED 9 June 1964

P.A. NAVY-Weps	TITLE	MILITARY STANDARD
Other Cust	INDICATOR, PROPELLANT LEAK, PLUG, COLOR CHANGE, FOR UNSYMMETRICAL DINITROHYDRAZINE AND FUMING NITRIC ACID	MS17868(Weps)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 3 OF 3