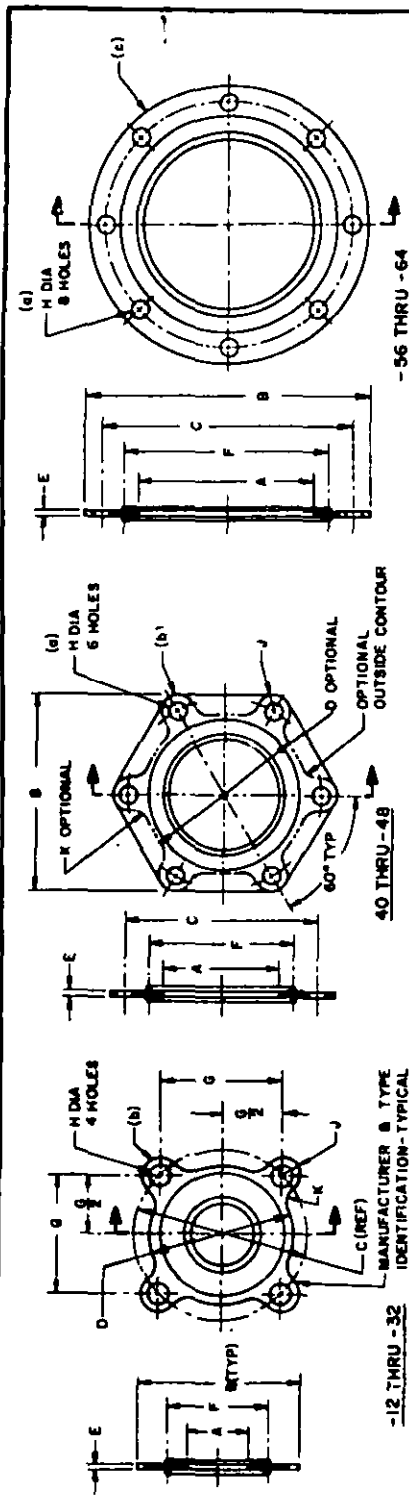


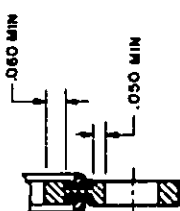
This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Review activities:
OSA - 13

Dear activities:



MS PART NO.	NOMINAL TUBE O.D. REF	DIMENSIONS									
		A DIA.	B DIA.	C DIA.	n DIA.	E DIA.	F DIA.	G	J RAD.	K RAD.	
MS -12	3/4	.669	1.1972	1.635	1 1/4	.080	61/64	1.156	.205	1/32	7/32
MS -12-16	3/4	.689	1.172	1.656	1 1/2	.080	1.13/64	1.312	.205	7/32	7/32
MS -16	1	.904	1.374	1.856	1 1/2	.080	1.13/64	1.312	.205	7/32	7/32
MS -16-24	1	.904	1.374	1.856	2 1/8	.080	1.47/64	1.812	.266	9/32	9/32
MS -20	1 1/4	1.138	2.116	2.342	2 1/2	.080	1 1/2	1.856	.266	17/64	17/64
MS -20-24	1 1/4	1.138	2.116	2.342	2 1/8	.080	1.47/64	1.812	.266	9/32	9/32
MS -24	1 1/2	1.372	2.348	2.563	2 1/8	.080	1.47/64	1.812	.266	9/32	9/32
MS -32	2	1.841	3.339	3.339	2 3/4	.080	2.13/32	2.375	.328	5/16	5/16
MS -40	2 1/2	2.341	4.312	4.312	3 1/4	.090	2.53/64		.328	3/8	3/8
MS -48	3	2.841	4.312	4.312	3 3/4	.090	3.5/16		.328	5/8	5/8
MS -56	3 1/2	3.341	5.438	5.438	4 1/8	.090	4.5/16		.328		
MS -64	4	3.841	5.438	5.438	5 1/8	.090	5.1/16		.328		



ENLARGED SECTION
TYPICAL FOR ALL SIZES

(a) B DIAMETER HOLES MUST BE EQUALLY SPACED ON C DIAMETER WITHIN .005.
 (b) COLOR MARKINGS: ON SIZES -12 THRU -48, OUTSIDE EDGE SHALL HAVE AT LEAST 3 NON-PERMANENT YELLOW COLORED MARKINGS MORE THAN 1/4 LONG TO INDICATE TYPE OF SEAL.
 (c) COLOR MARKINGS: ON SIZES -56 THRU -64, OUTSIDE EDGES SHALL HAVE NON-PERMANENT YELLOW COLORED MARKING EXTENDING AT LEAST THREE-QUARTERS OF THE WAY AROUND THE PART.
 MATERIAL: METAL RETAINER: ALUMINUM ALLOY, SPEC. QQ-A-250/11, TEMPER T6, ANODIZE TO MIL-A-8625, TYPE-II.
 RUBBER SEAL: RUBBER PER SPEC. MIL-R-7362, COMPOSITION-A, TYPE-11.
 REMOVE ALL BORES AND SHARP EDGES.
 DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005, FRACTIONS ±1/64, ANGLES ±1/2°.
 PRODUCT SHALL BE PERMANENTLY IDENTIFIED AS TO MANUFACTURER AND TYPE.
 SEAL DESIGN MUST PROVIDE SUBSTANTIAL FILLING OF THE GROOVE WHEN ASSEMBLED.
 FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
 *SUGGESTED DIMENSIONS FOR "D" AND "E" SIZES (-40 THRU -64).

P.A. USAF-62 Other Case	TITLE SEAL, PLAIN, RUBBER, SYNTHETIC OIL RESISTANT, (-65 TO +275°F). MOLD IN GROOVE	MILITARY STANDARD MS27195 (USAF)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

DD FORM 872-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM AND SHEET ARE OBSOLETE.

APPROVED 20 JULY 1962 REVISED A 18 JUL 70

NOTES TO PRINTER: REDUCE BORDER TO 4-27/32±.3/4. PRINT LEFT BORDER LINE ONE INCH FROM LEFT EDGE OF 8-10-1/2 SHEET. PRINT BOTTOM BORDER LINE 3/8 INCH FROM BOTTOM EDGE OF 8-10-1/2 SHEET. SIGNATURES FROM NOT TO BE INCLUDED ON 8-10-1/2 SHEET.

DATE _____
 DRAWN BY _____
 TYPED BY _____
 CHECKED BY _____