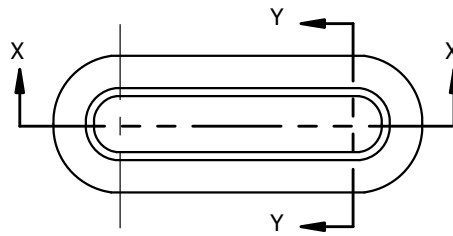
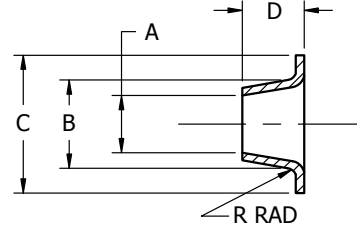


FED. SUPPLY CLASS

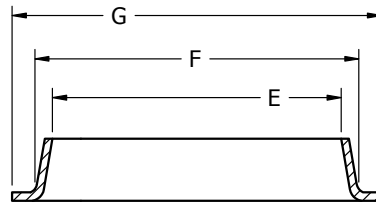
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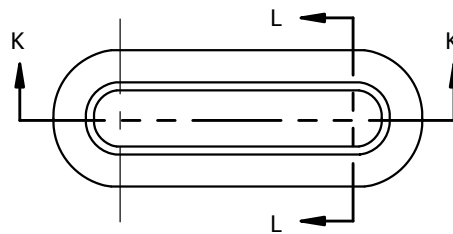
GROMMET



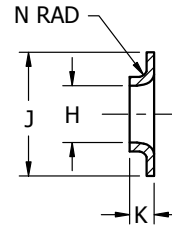
SECTION Y-Y



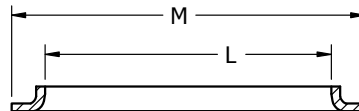
SECTION X-X



WASHER



SECTION L-L



SECTION K-K

TABLE I – DASH NUMBERS AND DIMENSIONS

DASH NUMBER	GROMMET									WASHER					
	A +.000 -.002	B ±.002	C ±.005	D ±.005	E +.000 -.002	F ±.002	G ±.005	R RAD ±.003	H ±.003	J ±.003	K ±.003	L ±.003	M ±.003	N RAD ±.003	NOM MATL THKNS
1	.290	.395	.915	.360	1.406	1.515	2.015	.03125	.420	.915	.125	1.532	2.010	.03125	.028
2	.175	.249	.665	.245	8.300	.910	1.315	.04680	.275	.625	.100	.950	1.290	.01560	.020

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-G-16491/3. PART NUMBERS REMAIN M16491/3.

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		1	
PROCUREMENT SPECIFICATION	NASM16491	TITLE		CLASSIFICATION PART STANDARD	
		GROMMET, METALLIC, OBLONG, WITH RAISED WASHER, TYPE V		NASM16491-3	

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MATERIAL:

BRASS SHEET, COMPOSITION II PER QQ-B-613 ALLOY 260 (UNS C26000) PER ASTM B36/B36M OR ASTM B121/B121M.

FINISH:

BLACK ENAMEL FINISH IN ACCORDANCE WITH ~~FF-E-489~~ MASTER PAINTERS INSTITUTE, REFERENCE #9, ALKYD, EXTERIOR, GLOSS, (MPI GLOSS LEVEL 6) AND REFERENCE #94, ALKYD, EXTERIOR, SEMI-GLOSS, (MPI GLOSS LEVEL 5).

BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-F-495.

NICKEL PLATING IN ACCORDANCE WITH AMS-QQ-N-290.

CODE:

THE PART NUMBER CONSISTS OF THE LETTER "M", THE BASIC PART NUMBER, AND A DASH NUMBER TAKEN FROM TABLE I FOLLOWED BY A FINISH CODE LETTER.

"B" – BLACK ENAMEL FINISH

"C" – BLACK CHEMICAL FINISH

"N" – NICKEL PLATING

EXAMPLE OF PART NUMBER:

M16491/3-1 N = GROMMET, OBLONG, WITH RAISED WASHER, TYPE V; GROMMET DIMENSIONS; WASHER DIMENSIONS; NICKEL PLATING.

FINISH CODE

DASH NUMBER

BASIC PART NUMBER

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) THE ASSEMBLY SHALL CONSIST OF ONE GROMMET AND ONE WASHER OF THE SAME MATERIAL.
- (3) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (4) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (5) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (6) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

① COMPLETELY REVISED

REVISION

1

NASM16491-3

SHEET 2