

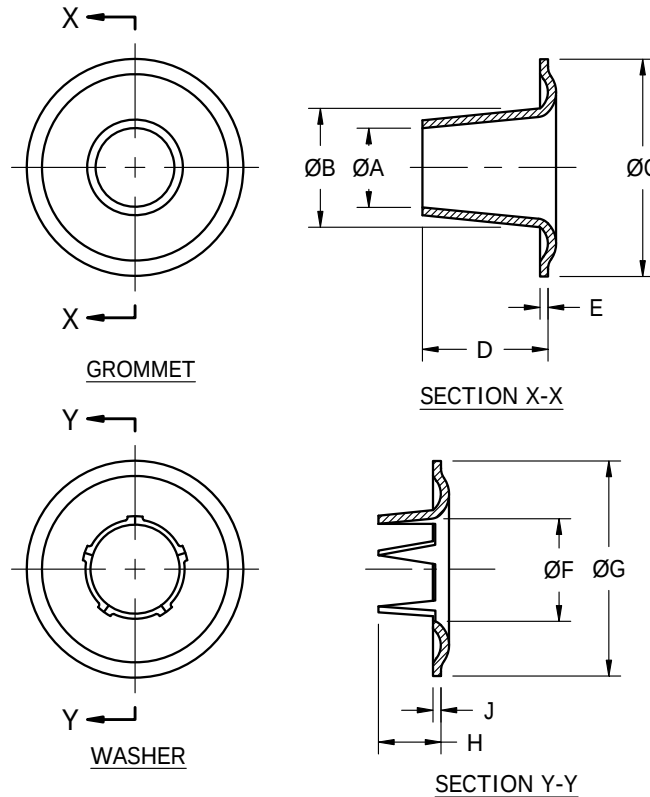


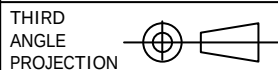
FIGURE 1 – GROMMET, METALLIC, PLAIN, WITH TOOTHED WASHER (TYPE II)

TABLE I – DASH NUMBERS AND DIMENSIONS, GROMMET

DASH NUMBER	TRADE SIZE NUMBER	ØA	ØB	ØC	D	E	TOLERANCE
00	00	.176	.218	.425	.170	.035	±.0050
01	0	.240	.290	.545	.210	.035	±.0500
10	1	.286	.375	.687	.220	.035	±.0500
11	1-J	.298	.375	.680	.295	.032	±.0500
20	2	.362	.475	.815	.250	.035	±.0500
21	2-J	.394	.490	.840	.295	.035	±.0500
30	3	.433	.545	.970	.345	.050	±.0500
40	4	.486	.630	1.050	.420	.046	±.0500
50	5	.594	.785	1.220	.375	.045	±.0075
60	6	.810	.885	1.750	.312	.080	±.0075

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-G-16491/1. PART NUMBERS REMAIN M16491/1.



THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

1

PROCUREMENT
SPECIFICATION

NASM16491

TITLE

**GROMMET, METALLIC, PLAIN,
WITH TOOTHED WASHER, TYPE II**

CLASSIFICATION
PART STANDARD

NASM16491-1
SHEET 1 OF 3

TABLE II – DASH NUMBERS AND DIMENSIONS, WASHER

DASH NUMBER	ØF	ØG	H	J	TOLERANCE	NOMINAL THICKNESS BASIC METAL
70	.290	.570	.125	.035	±.0050	.0115
71	.350	.680	.140	.040	±.0050	.0140
72	.350	.680	.140	.040	±.0050	.0140
73	.468	.840	.180	.040	±.0050	.0126
74	.468	.840	.180	.040	±.0050	.0160
75	.545	.945	.180	.040	±.0050	.0126
76	.593	1.050	.250	.045	±.0050	.0180
77	.720	1.190	.288	.050	±.0075	.0170

MATERIAL:

BRASS SHEET, COMPOSITION II IN ACCORDANCE WITH QQ-B-613 ASTM B121/B121M OR ASTM B36/B36M.

FINISH:

BLACK ENAMEL FINISH IN ACCORDANCE WITH MASTER PAINTERS INSTITUTE, REFERENCE #9, ALKYD, EXTERIOR, GLOSS, (MPI GLOSS LEVEL 6) OR 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.

BRIGHT FINISH.

CODE:

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

CODE "B" – BLACK ENAMEL FINISH

CODE "C" – BLACK CHEMICAL FINISH

CODE "N" – NICKEL PLATING

NO CODE – BRIGHT FINISH

EXAMPLE OF PART NUMBER:

M16491/1-01 70 N = GROMMET, PLAIN, WITH TOOTHED WASHER (TYPE II); GROMMET DIMENSIONS; WASHER DIMENSIONS; NICKEL PLATING.

FINISH CODE

DASH NUMBER FROM TABLE II

DASH NUMBER FROM TABLE I

BASIC PART NUMBER

REVISION
1
NAS16491-1
SHEET 2