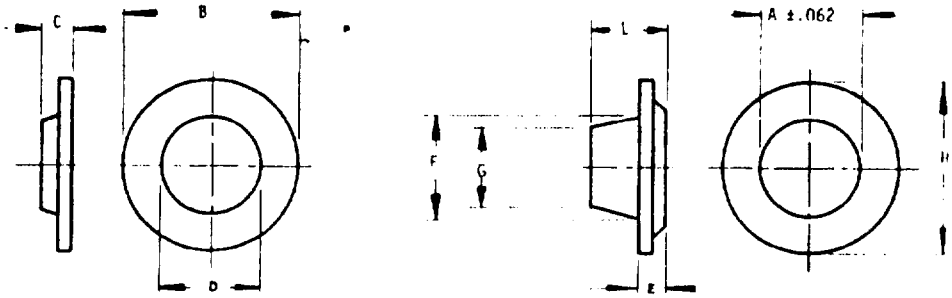
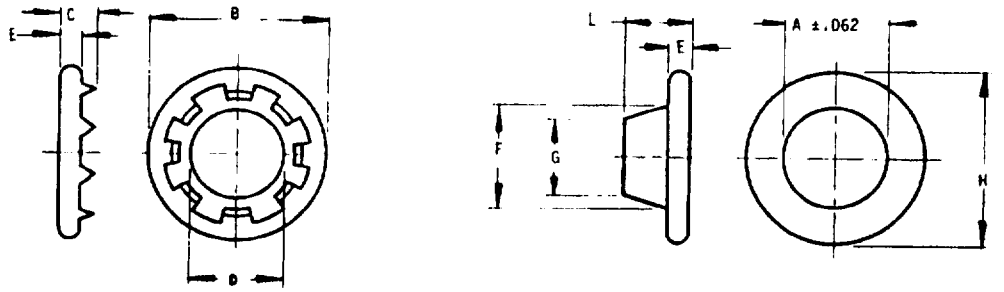
Downloaded from http://www.everyspec.com

FED. SUP CLASS
5325



PLAIN WASHER — PLAIN GROMMET — PLAIN GROMMET

ASSY DASH NO. AL	ASSY DASH NO. BRASS PLAIN	ASSY DASH NO. BRASS PLATED	DETAILED PART NO. GROMMET AL	GROMMET BRASS PLAIN	GROMMET BRASS PLATED	WASHER AL	WASHER BRASS PLAIN	WASHER BRASS PLATED	TRADE SIZE NO.	A DIA AFTER INSERTION	B +.005 DIA	C ±.005	D ±.005 DIA	F ±.005	F ±.005 OD	G ±.005 ID	H ±.005 OD	L ±.005
A20	B20	BP20	GA20	GB20	GBP20	WA20	WB20	WBP20	00	.156	.460	.029	.218	.035	.218	.176	.425	.170
A10	B10	BP10	GA10	GB10	GBP10	WA10	WB10	WBP10	0	.250	.546	.030	.286		.290	.240	.545	.210
A1	B1	BP1	GA1	GB1	GBP1	WA1	WB1	WBP1	1	.312	.700	.041	.359		.375	.286	.687	.220
A2	B2	BP2	GA2	GB2	GBP2	WA2	WB2	WBP2	2	.375	.835	.045	.453		.475	.362	.815	.250
A3	B3	BP3	GA3	GB3	GBP3	WA3	WB3	WBP3	3	.438	.955	.050	.530	.050	.545	.433	.970	.345
A4	B4	BP4	GA4	GB4	GBP4	WA4	WB4	WBP4	4	.500	1.062		.585	.046	.630	.486	1.050	.420
A5	B5	BP5	GA5	GB5	GBP5	WA5	WB5	WBP5	5	.625	1.205	.055	.740	.045	.785	.594	1.220	.375



SPUR WASHER — SPUR GROMMET — ROLLED RIM GROMMET

ASSY DASH NO. BRASS PLAIN	ASSY DASH NO. BRASS PLATED	DETAILED PART NO. GROMMET BRASS PLAIN	GROMMET BRASS PLATED	WASHER BRASS PLAIN	WASHER BRASS PLATED	TRADE SIZE NO.	A DIA AFTER INSERTION	B +.005 OD	C ±.005	D ±.005 ID	E ±.005	F ±.005 OD	G ±.005 ID	H ±.005 OD	L ±.020
BS10	BPS10	GBS10	GBPS10	WBS10	WBPS10	0	.250	.645	.150	.345	.060	.375	.270	.670	.235
BS1	BPS1	GBS1	GBPS1	WBS1	WBPS1	1	.312	.790		.455	.065	.480	.380	.790	.275
BS2	BPS2	GBS2	GBPS2	WBS2	WBPS2	2	.375	.890	.156	.512	.070	.532	.425	.890	.315
BS3	BPS3	GBS3	GBPS3	WBS3	WBPS3	3	.438	.970	.190	.537	.075	.545	.430	.970	.330
BS4	BPS4	GBS4	GBPS4	WBS4	WBPS4	4	.500	1.120	.205	.645	.080	.695	.560	1.120	.405
BS5	BPS5	GBS5	GBPS5	WBS5	WBPS5	5	.625	1.270	.225	.777	.085	.800	.600	1.285	.455

MATERIAL: BRASS OR ALUMINUM. SEE PROCUREMENT SPECIFICATION.

FINISH: ALUMINUM, ANODIZE IN ACCORDANCE WITH MIL-A-8625; BRASS, CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2 ONLY WHEN SPECIFIED.

EXAMPLES OF PART NUMBERS: MS20230A20 - NO. 00 SIZE, PLAIN GROMMET ASSEMBLY, ALUMINUM.
MS20230BPS10 = NO. 0 SIZE, SPUR GROMMET ASSEMBLY, BRASS, CADMIUM PLATED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010.

(D) ~~CANCELED~~ ~~AFTER 14 OCTOBER 1966. USE MIL-G-16491.~~

THE ASSEMBLY SHALL CONSIST OF ONE GROMMET AND ONE WASHER OF THE SAME MATERIAL.

INTERCHANGEABILITY RELATION WITH AN230 GROMMETS: MS20230 GROMMETS AND AN230 GROMMETS OF LIKE DASH NUMBERS ARE UNIVERSALLY, FUNCTIONALLY, AND DIMENSIONALLY INTERCHANGEABLE.

(D) REINSTATE AFTER 28 MARCH 1969

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

REVISED (D) 28 MAR 69 (C) 14 OCT 66 (B) JAN 64 (A) 7 OCT 59
APPROVED 19 AUG 57

P.A.
NAVY — AS
Other Cust
USAF - 82

TITLE
GROMMETS, METALLIC, PLAIN AND SPUR, WITH WASHERS, TYPE I AND TYPE III

MILITARY STANDARD
MS20230(ASG)

PROCUREMENT SPECIFICATION
MIL-G-16491

SUPERSEDES:
AN230

SHEET 1 OF 1

DD FORM 1 MAR 72 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE NO. 23005

REVIEWER SYMBOLS: NAVY-AS USAF-82

USER SYMBOLS

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.
This military standard is approved by the Department of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to employ this standard where suitable.

"Review/user information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DODISS."