

# MILITARY SPECIFICATION GROMMETS

## MS35489 Supersedes MS35490 and AN931 - GROMMET.

Rubber - Synthetic, composition A, per MIL-G-3036

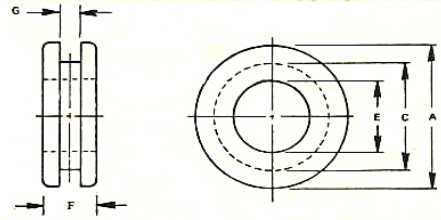
Rubber - Silicone, composition B, per MIL-G-3036

Add 'X' after dash (-) number to denote silicone

MS35489 and AN931 parts are interchangeable.

Do not use MS35490 (Split Grommets) to replace MS35489 or AN931 grommets.

How to read this chart: Determine 'E' dimension, then 'C' & 'A'. Enter column for groove width to determine dash number.



Dimensions			1/16 .062 Groove Width (G)			1/8 .125 Groove Width			3/16 .188 Groove Width			1/4 .250 Groove Width		
E	C	A	MS35489	AN931	F	MS35189	AN931	F	MS35489	AN931	F	MS35489	AN931	F
.125	.250	.344	-1		.188									
.125	.562	.750	-2	-2-9	.188	-31	-A2-9	.250	-60	-B2-9	.312	-89	-C2-9	.375
.125	1.000	1.250	-3	-2-16	.250	-32	-A2-16	.312	-61	-B2-16	.375	-90	-C2-16	.438
.188	.312	.438	-4	-3-5	.188	-33	-A3-5	.250	-62	-B3-5	.312	-91	-C3-5	.375
.188	.562	.750	-134	-3-9	.188	-137	-A3-9	.250	-138	-B3-9	.312	-139	-C3-9	.375
.188	.625	.875	-5	-3-10	.188	-34	-A3-10	.250	-63	-B3-10	.312	-92	-C3-10	.375
.250	.438	.625	-6	-4-7	.188	-35	-A4-7	.250	-64	-B4-7	.312	-93	-C4-7	.375
.250	.750	1.000	-7	-4-12	.250	-36	-A4-12	.312	-65	-B4-12	.375	-94	-C4-12	.438
.250	1.000	1.250	-8	-4-16	.250	-37	-A4-16	.312	-66	-B4-16	.375	-95	-C4-16	.438
.312	.562	.812	-9	-5-9	.312	-38	-A5-9	.375	-67	-B5-9	.438	-96	-C5-9	.500
.312	.750	1.000	-10	-5-12	.312	-39	-A5-12	.375	-68	-B5-12	.438	-97	-C5-12	.500
.312	.812	1.062	-118	-5-13	.312	-122	-A5-13	.375	-136	-B5-13	.438	-130	-C5-13	.500
.375	.625	.875	-11	-6-10	.312	-40	-A6-10	.375	-69	-B6-10	.438	-98	-C6-10	.500
.375	1.000	1.250	-12	-6-16	.250	-41	-A6-16	.312	-70	-B6-16	.375	-99	-C6-16	.438
.438	.688	.938	-13	-7-11	.312	-42	-A7-11	.375	-71	-B7-11	.438	-100	-C7-11	.500
.500	.812	1.062	-14	-8-13	.312	-43	-A8-13	.375	-72	-B8-13	.438	-101	-C8-13	.500
.500	1.250	1.500	-15	-8-20	.250	-44	-A8-20	.312	-73	-B8-20	.375	-102	-C8-20	.438
.562	.812	1.062	-16	-9-13	.312	-45	-A9-13	.375	-74	-B9-13	.438	-103	-C9-13	.500
.625	.875	1.125	-17	-10-14	.312	-46	-A10-14	.375	-75	-B10-14	.438	-104	-C10-14	.500
.625	1.250	1.500	-18	-10-20	.250	-47	-A10-20	.312	-76	-B10-20	.375	-105	-C10-20	.438
.688	1.000	1.312	-19	-11-16	.375	-48	-A11-16	.438	-77	-B11-16	.500	-106	-C11-16	.562
.750	1.062	1.375	-20	-12-17	.375	-49	-A12-17	.438	-78	-B12-17	.500	-107	-C12-17	.562
.750	1.250	1.625	-135	-12-20	.250	-123	-A12-20	.312	-127	-B12-20	.375	-131	-C12-20	.438
.750	1.438	1.812	-21	-12-23	.375	-50	-A12-23	.438	-79	-B12-23	.500	-108	-C12-23	.562
.750	1.625	2.000	-120	-12-26	.375	-124	-A12-26	.438	-128	-B12-26	.500	-132	-C12-26	.562
.875	1.250	1.625	-22	-14-20	.438	-51	-A14-20	.500	-80	-B14-20	.562	-109	-C14-20	.625
.875	1.625	2.000	-121	-14-26	.438	-125	-A14-26	.500	-129	-B14-26	.562	-133	-C14-26	.625
1.000	1.375	1.750	-23	-16-22	.438	-52	-A16-22	.500	-81	-B16-22	.562	-110	-C16-22	.625
1.000	1.875	2.250	-24	-16-30	.438	-53	-A16-30	.500	-82	-B16-30	.562	-111	-C16-30	.625
1.250	2.375	2.750	-25	-20-38	.438	-54	-A20-38	.500	-83	-B20-38	.562	-112	-C20-38	.625
1.250	2.500	2.875	-26	-20-40	.438	-55	-A20-40	.500	-84	-B20-40	.562	-113	-C20-40	.625
1.500	1.750	2.125	-27	-24-28	.438	-56	-A24-28	.500	-85	-B24-28	.562	-114	-C24-28	.625
1.500	2.750	3.250	-28	-24-44	.438	-57	-A24-44	.500	-86	-B24-44	.562	-115	-C24-44	.625
1.750	3.250	3.750	-29	-28-52	.500	-58	-A28-52	.562	-87	-B28-52	.625	-116	-C28-52	.688
2.000	3.500	4.000	-30	-32-56	.500	-59	-A32-56	.562	-88	-B32-56	.625	-117	-C32-56	.688

## AERODUCT FLEXIBLE DUCTING

**CAT** 10 Ft Lengths- Black. Single ply neoprene impregnated fiberglass with closely spaced spiral copper-coated high carbon steel wire inside, exterior wrapped fiberglass cord.

From -65 Deg F to over 300 Deg F.

**SCAT** 11 Ft Lengths- Red. Single ply same as CAT except with silicone rubber impregnation.

From -80 Deg F to over 450 Deg F.

**Sold in Standard Lengths Only**

Standard

Dash#	Inside Diameter	Wire Spacing
-2	1/2	5/16
-3	3/4	5/16
-4	1	5/16
-5	1-1/4	5/16
-6	1-1/2	5/16
-7	1-3/4	5/16
-8	2	3/8
-9	2-1/4	3/8
-10	2-1/2	3/8
-11	2-3/4	3/8
-12	3	3/8
-14	3-1/2	3/8
-16	4	3/8

