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Standard O-Ring Sizes and Dimensions

AS-568A UNIVERSAL DASH NUMBERS	AN 6227B AND AN 6230B PART NUMBERS	MS 28775 MS 29513 MS 29561 MS 9021 MS 9068 NAS 1593 NAS 1594 NAS 1611 DASH NUMBERS	AN 123856 ¹ TO AN 123934 PART NUMBERS	NOMINAL SIZE			INCH STANDARD		METRIC STANDARD (MM)	
				I.D.	O.D.	C.S.	I.D.	±	I.D.	±
-004 to -050 Cross Section Diameters = .070 ± .003 inches — 1.78 ± 0.08 millimeters.										
★-001		-001**		1/32	x 3/32	x1/32	.029	.004	0.74	0.10
★-002		-002**		3/64	x 9/64	x1/32	.042	.004	1.07	0.10
★-003		-003**		1/16	x 3/16	x1/16	.056	.004	1.42	0.10
-004		-004		5/64	x 13/64	x1/16	.070	.005	1.78	0.13
-005		-005		3/32	x 7/32	x1/16	.101	.005	2.57	0.13
-006	AN 6227B-1	-006	AN 123856	1/8	x 1/4	x1/16	.114	.005	2.90	0.13
-007	AN 6227B-2	-007	AN 123857	5/32	x 9/32	x1/16	.145	.005	3.68	0.13
-008	AN 6227B-3	-008	AN 123858	3/16	x 5/16	x1/16	.176	.005	4.47	0.13
-009	AN 6227B-4	-009	AN 123859	7/32	x 11/32	x1/16	.208	.005	5.28	0.13
-010	AN 6227B-5	-010	AN 123860	1/4	x 3/8	x1/16	.239	.005	6.07	0.13
-011	AN 6227B-6	-011	AN 123861	5/16	x 7/16	x1/16	.301	.005	7.65	0.13
-012	AN 6227B-7	-012	AN 123862	3/8	x 1/2	x1/16	.364	.005	9.25	0.13
-013		-013		7/16	x 9/16	x1/16	.426	.005	10.82	0.13
-014		-014		1/2	x 5/8	x1/16	.489	.005	12.42	0.13
-015		-015		9/16	x 11/16	x1/16	.551	.007	14.00	0.18
-016		-016		5/8	x 3/4	x1/16	.614	.009	15.60	0.23
-017		-017		11/16	x 13/16	x1/16	.676	.009	17.17	0.23
-018		-018		3/4	x 7/8	x1/16	.739	.009	18.77	0.23
-019		-019		13/16	x 15/16	x1/16	.801	.009	20.35	0.23
-020		-020		7/8	x 1	x1/16	.864	.009	21.95	0.23
-021		-021		15/16	x1-1/16	x1/16	.926	.009	23.52	0.23
-022		-022		1	x1-1/8	x1/16	.989	.010	25.12	0.25
-023		-023		1-1/16	x1-3/16	x1/16	1.051	.010	26.70	0.25
-024		-024		1-1/8	x1-1/4	x1/16	1.114	.010	28.30	0.25
-025		-025		1-3/16	x1-5/16	x1/16	1.176	.011	29.87	0.28
-026		-026		1-1/4	x1-3/8	x1/16	1.239	.011	31.47	0.28
-027		-027		1-5/16	x1-7/16	x1/16	1.301	.011	33.05	0.28
-028		-028		1-3/8	x1-1/2	x1/16	1.364	.013	34.65	0.33
-029		-029*		1-1/2	x1-5/8	x1/16	1.489	.013	37.82	0.33
-030		-030*		1-5/8	x1-3/4	x1/16	1.614	.013	41.00	0.33
-031		-031*		1-3/4	x1-7/8	x1/16	1.739	.015	44.17	0.38
-032		-032*		1-7/8	x 2	x1/16	1.864	.015	47.35	0.38
-033		-033*		2	x2-1/8	x1/16	1.989	.018	50.52	0.46
-034		-034*		2-1/8	x2-1/4	x1/16	2.114	.018	53.70	0.46
-035		-035*		2-1/4	x2-3/8	x1/16	2.239	.018	56.87	0.46
-036		-036*		2-3/8	x2-1/2	x1/16	2.364	.018	60.05	0.46
-037		-037*		2-1/2	x2-5/8	x1/16	2.489	.018	63.22	0.46
-038		-038*		2-5/8	x2-3/4	x1/16	2.614	.020	66.40	0.51
-039		-039*		2-3/4	x2-7/8	x1/16	2.739	.020	69.57	0.51
-040		-040*		2-7/8	x 3	x1/16	2.864	.020	72.75	0.51
-041		-041*		3	x3-1/8	x1/16	2.989	.024	75.92	0.61
-042		-042*		3-1/4	x3-3/8	x1/16	3.239	.024	82.27	0.61
-043		-043*		3-1/2	x3-5/8	x1/16	3.489	.024	88.62	0.61
-044		-044*		3-3/4	x3-7/8	x1/16	3.739	.027	94.97	0.69
-045		-045*		4	x4-1/8	x1/16	3.989	.027	101.32	0.69

★ Cross Section Diameter: -001 = .040 ± .003 in. = 1.02 ± .08 mm. -002 = .050 ± .003 in. = 1.27 ± .08 mm. -003 = .060 ± .003 in. = 1.52 ± .08 mm.

¹ For AN 123956 to AN 124034, add 100 to part numbers shown in this column.
* These dash numbers are not included in MS 28775, MS 29561 or NAS 1611 series.
** These dash numbers are not included in MS 9068, MS 29561, NAS 1593 or NAS 1594 series.

NOTES: (1) "AN", "MS", and "NAS" information is for size cross-reference only. "AN", "MS", and "NAS" O-Rings require special compounds. APG O-Rings are available in a variety of compounds.
(2) Actual dimensions for standard (AN) shrinkage materials only. These correspond to AS568A dimensions. O-Rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances.

