

AEROSPACE STANDARD	AS12801™	ISSUE 7
	Issued 1967-07 Revised 2013-08	
Ring, Sealing, Toroidal, (O-Ring - Inch Series) for General Aerospace Use (Material DTD5603 Grade-80)		

NOTE: The issue status of this document remains unchanged as there have been no changes to the technical content.

SAE INDUSTRY TECHNOLOGIES CONSORTIA AEROSPACE STANDARDS AND PART QUALIFICATION PROGRAM

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AEROSPACE STANDARD

No. AS12801

RING, SEALING, TOROIDAL (O-RING – INCH SERIES) FOR GENERAL AEROSPACE USE (MATERIAL DTD5603 GRADE-80)

STATUS

Standard AS12801 is Inactive for New Design as of 07 Aug 2013. Use new standard AS43013 for new design. See AS43013 range as a suggested replacement for AS12801 at the point of design. Designers are cautioned to evaluate AS43013 for their particular application.

RATIONALE

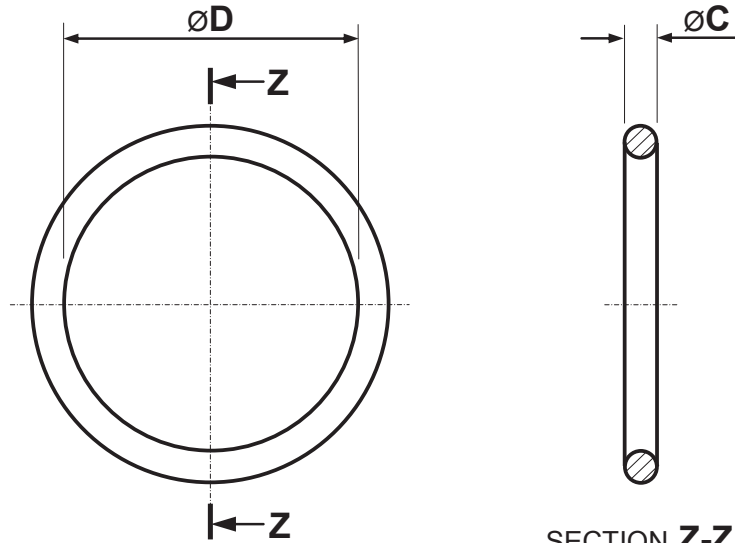
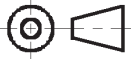
Seventh issue of Standard.
Further clarification of Status & restrictions of use as shown in box above.
For full details of changes, refer to supplementary ADS Amendment Record document AS12801-AR.

Issued by: Technical Standards Committee (Aerospace)
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3rd Angle Projection



SECTION Z-Z

PART NUMBER	Ø C				Ø D			
	mm		inch		mm		inch	
	max	min	max	min	max	min	max	min
AS12801-001	1,092	0,94	.043	.037	0,838	0,635	.033	.025
AS12801-002	1,346	1,194	.053	.047	1,168	0,965	.046	.038
AS12801-003	1,6	1,448	.063	.057	1,524	1,321	.060	.052
AS12801-004	1,854	1,702	.073	.067	1,9	1,65	.075	.065
AS12801-005					2,69	2,44	.106	.096
AS12801-006					3,02	2,77	.119	.109
AS12801-007					3,81	3,56	.150	.140
AS12801-008					4,6	4,34	.181	.171
AS12801-009					5,41	5,16	.213	.203
AS12801-010					6,2	5,94	.244	.234
AS12801-011					7,77	7,52	.306	.296
AS12801-012					9,37	9,12	.369	.359
AS12801-013					10,95	10,69	.431	.421
AS12801-014					12,55	12,29	.494	.484
AS12801-015					14,17	13,82	.558	.544
AS12801-016					15,82	15,37	.623	.605
AS12801-017					17,4	16,94	.685	.667
AS12801-018					19	18,54	.748	.730
AS12801-019					20,57	20,12	.810	.792
AS12801-020					22,17	21,72	.873	.855
AS12801-021					23,75	23,29	.935	.917
AS12801-022					25,37	24,87	.999	.979
AS12801-023					26,95	26,44	1.061	1.041
AS12801-024					28,55	28,04	1.124	1.104
AS12801-025					30,15	29,59	1.187	1.165

Products to this standard require Qualification Approval in accordance with TS202.		YES	
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			Issue 7
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Form : ADS A4 Drg Frame iss.6a

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PART NUMBER	Ø C				Ø D			
	mm		inch		mm		inch	
	max	min	max	min	max	min	max	min
AS12801-026	1,854	1,702	.073	.067	31,75	31,19	1.250	1.228
AS12801-027					33,32	32,77	1.312	1.290
AS12801-028					34,98	34,32	1.377	1.351
AS12801-029					38,15	37,49	1.502	1.476
AS12801-030					41,33	40,67	1.627	1.601
AS12801-031					44,55	43,79	1.754	1.724
AS12801-032					47,73	46,96	1.879	1.849
AS12801-033					50,98	50,06	2.007	1.971
AS12801-034					54,15	53,24	2.132	2.096
AS12801-035					57,33	56,41	2.257	2.221
AS12801-036					60,5	59,59	2.382	2.346
AS12801-037					63,68	62,76	2.507	2.471
AS12801-038					66,9	65,89	2.634	2.594
AS12801-039					70,08	69,06	2.759	2.719
AS12801-040					73,25	72,24	2.884	2.844
AS12801-041					76,53	75,31	3.013	2.965
AS12801-042					82,88	81,66	3.263	3.215
AS12801-043					89,23	88,01	3.513	3.465
AS12801-044					95,66	94,28	3.766	3.712
AS12801-045					102,01	100,63	4.016	3.962
AS12801-046					108,43	106,91	4.269	4.209
AS12801-047					114,78	113,26	4.519	4.459
AS12801-048					121,13	119,61	4.769	4.709
AS12801-049					127,66	125,78	5.026	4.952
AS12801-050					134,01	132,13	5.276	5.202
AS12801-106	2,692	2,54	.106	.100	4,55	4,29	.179	.169
AS12801-107					5,36	5,11	.211	.201
AS12801-108					6,15	5,89	.242	.232
AS12801-109					7,72	7,47	.304	.294
AS12801-110					9,32	9,07	.367	.357
AS12801-111					10,9	10,64	.429	.419
AS12801-112					12,5	12,24	.492	.482
AS12801-113					14,12	13,77	.556	.542
AS12801-114					15,77	15,32	.621	.603
AS12801-115					17,35	16,89	.683	.665
AS12801-116					18,95	18,49	.746	.728
AS12801-117					20,55	20,04	.809	.789
AS12801-118					22,15	21,64	.872	.852
AS12801-119					23,72	23,22	.934	.914
AS12801-120					25,32	24,82	.997	.977
AS12801-121					26,9	26,39	1.059	1.039
AS12801-122					28,5	27,99	1.122	1.102
AS12801-123					30,12	29,51	1.186	1.162
AS12801-124					31,72	31,12	1.249	1.225
AS12801-125					33,3	32,69	1.311	1.287
AS12801-126					34,9	34,29	1.374	1.350
AS12801-127					36,47	35,86	1.436	1.412
AS12801-128					38,07	37,46	1.499	1.475
AS12801-129					39,73	38,96	1.564	1.534
AS12801-130					41,33	40,56	1.627	1.597
AS12801-131					42,9	42,14	1.689	1.659
AS12801-132					44,5	43,74	1.752	1.722
AS12801-133					46,08	45,31	1.814	1.784
AS12801-134					47,68	46,91	1.877	1.847
AS12801-135					49,33	48,46	1.942	1.908

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