SAE ITC
An SAE International Affiliate

AEROSPACE STANDARD

AS25330™	ISSUE 2
Issued 1973-08 Revised 1976-06	

Ring, Sealing, Toroidal 65° I.R.H. Butadiene Acrylonitrile (Mineral Oil Resistant)

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

FOREWORD

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SOCIETY OF BRITISH AEROSPACE COMPANIES STANDARD

RING, SEALING, TOROIDAL 65° I.R.H.
BUTADIENE ACRYLONITRILE
(MINERAL OIL RESISTANT)

AS 25330
SHEET 1 OF 4

THIRD ANGLE PROJECTION

SHEET No	1	2	3	4				
ISSUE No	2	1	1	1				
DATE	6/76	9/73	9/73	9/73				

Part Number	ØW mm max	ØW mm min	ØW Inches max	ØW Inches min	ØI mm max	ØI mm min	ØI Inches max	ØI Inches min
-001	1,092	0,940	.043	.037	0,838	0,635	.033	.025
-002	1,346	1,194	.053	.047	1,168	0,965	.046	.038
-003	1,600	1,448	.063	.057	1,524	1,321	.060	.052
-004	1,854	1,702	.073	.067	1,90	1,65	.075	.065
-005					2,69	2,44	.106	.096
-006					3,02	2,77	.119	.109
-007					3,81	3,56	.150	.140
-008					4,60	4,34	.181	.171
-009					5,41	5,61	.213	.203
-010					6,20	5,94	.244	.234
-011					7,77	7,52	.306	.296
-012					9,37	9,12	.369	.359
-013					10,95	10,69	.431	.421
-014					12,55	12,29	.494	.484
-015					14,17	13,82	.558	.544
-016					15,82	15,37	.623	.605
-017					17,40	16,94	.685	.667
-018					19,00	18,54	.748	.730
-019					20,57	20,12	.810	.792
-020					22,17	21,72	.873	.855
-021					23,75	23,29	.935	.917
-022					25,37	24,87	.999	.979
-023					26,95	26,44	1.061	1.041
-024					28,55	28,04	1.124	1.104
-025					30,15	29,59	1.187	1.165
-026					31,75	31,19	1.250	1.228
-027					33,32	32,77	1.312	1.290
-028					34,98	34,32	1.377	1.351
-029					38,15	37,49	1.502	1.476
-030					41,33	40,67	1.627	1.601
-031					44,55	43,79	1.754	1.724
-032					47,73	46,96	1.879	1.849
-033					50,98	50,06	2.007	1.971
-034					54,15	53,24	2.132	2.096
-035					57,33	56,41	2.257	2.221
-036					60,50	59,59	2.382	2.346
-037					63,68	62,76	2.507	2.471
-038					66,90	65,89	2.634	2.594
-039					70,08	69,06	2.759	2.719
-040					73,25	72,24	2.884	2.844
-041					76,53	75,31	3.013	2.965
-042					82,88	81,66	3.263	3.215
-043					89,23	88,01	3.513	3.465
-044	1,854	1,702	.073	.067	95,66	94,28	3.766	3.712
-045					102,01	100,63	4.016	3.962
-046					108,43	106,91	4.269	4.209

MATERIAL:- D.T.D 5606, Grade D.

NOMINAL HARDNESS:- 65° I.R.H.

INSPECTION:- T.S. 49.

PACKAGING AND IDENTIFICATION:- B.S. F69.(Colour coding shall not be used unless called for on the order.

These rings conform to I.S.O. recommendations for dimensions of elastomeric toroidal sealing rings for aircraft (Inch Series):-
I.S.O./R1078 Class 1 tolerances for AS 25330-001 thru -014, -106 thru -112.
I.S.O./R1800 Class 2 tolerances for AS 25330-015 thru -050, -113 thru -160

These rings are intended for general purpose use.

Dimensions and tolerances are in inches and millimetres.

Drawing Practice to T.S.66.

METHOD OF CALL UP:- By Part Number. Do not use unassigned Part Numbers.

EXAMPLE :- AS 25330 - 001
(BASIC AS Nº, DASH Nº)

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DTD are Ministry of Defence Publications.
B.S. are British Standards Institutions Publications.
U.S.S. are U.S.A. Department of Defence Publications.

For recommendations for storage procedure, refer to B.S. F68.

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