

REV.  
A

SAE AS9047

FEDERAL SUPPLY CLASS  
5315

RATIONALE

DOCUMENT REDRAWN TO MAKE FIGURE AND TABLES READABLE AND DOCUMENT GENERALLY UPDATED.

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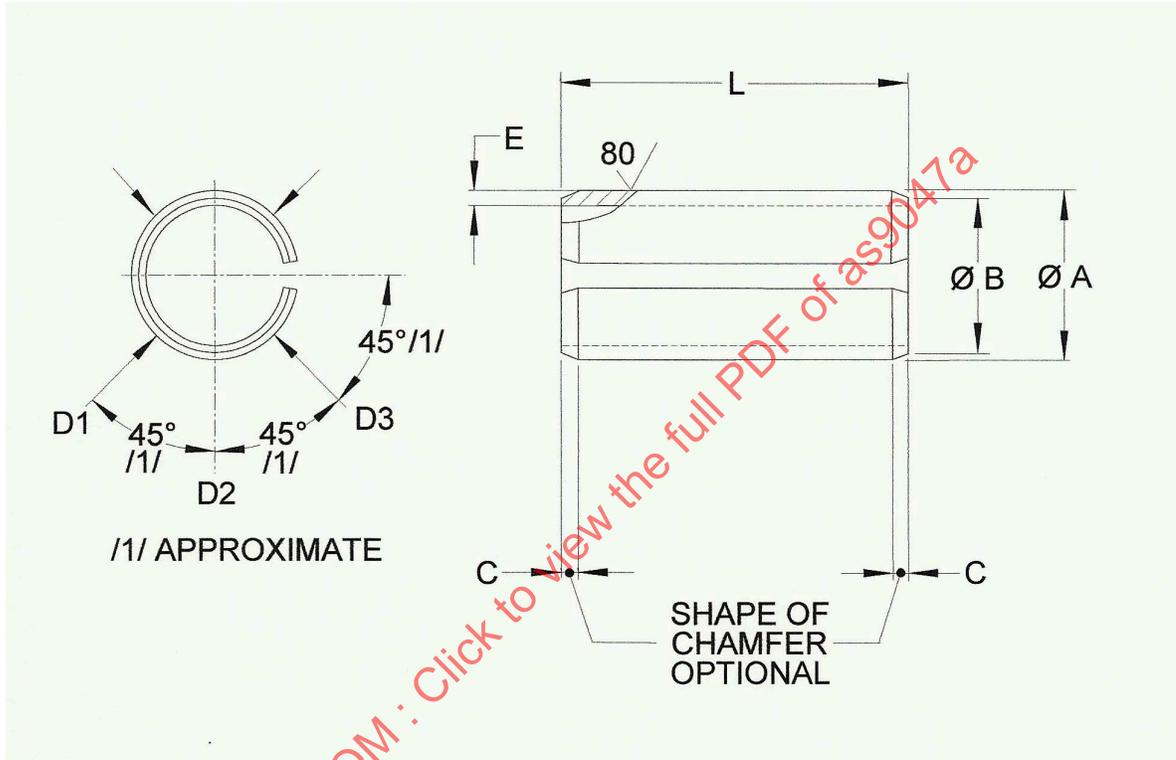
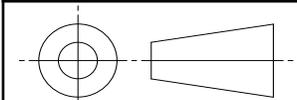


FIGURE 1 - PIN

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE AEROSPACE COUNCIL

PROCUREMENT SPECIFICATION: AS7205

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

( R ) PIN – SPRING, STEEL, PHOSPHATE FINISH

**SAE AS9047**  
SHEET 1 OF 4

**REV. A**

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ISSUED 1999-07 REAFFIRMED 2004-07 REVISED 2012-03

TABLE 1 - DIMENSIONS

A			B MAX	C		E STOCK THICKNESS	RECOMENDED HOLE SIZE		APPROX WEIGHT lbs/100
NOMINAL	MAX GO RING GAGE	MIN AVERAGE DIA (D1+D2+D3) 1/3		MIN	MAX		MIN	MAX	
.062	.069	.066	.059	.007	.028	.012	.062	.065	L x .049
.078	.086	.083	.075	.008	.032	.018	.078	.081	L x .092
.094	.103	.099	.091	.008	.038	.022	.094	.097	L x .140
.125	.135	.131	.122	.008	.044	.028	.125	.129	L x .240
.156	.167	.162	.151	.010	.048	.032	.156	.160	L x .340
.188	.199	.194	.182	.011	.055	.040	.187	.192	L x .510
.219	.232	.226	.214	.011	.065	.048	.219	.224	L x .700
.250	.264	.258	.245	.012	.065	.048	.250	.256	L x .850
.312	.328	.321	.306	.014	.080	.062	.312	.318	L x 1.300
.375	.392	.385	.368	.016	.095	.077	.375	.382	L x 1.900
.438	.456	.448	.430	.017	.095	.077	.437	.445	L x 2.400
.500	.521	.513	.485	.025	.110	.094	.500	.510	L x 3.200

1. MATERIAL: STEEL - AMS5120 OR AMS5121
2. FINISH: PHOSPHATE - SEE PROCUREMENT SPECIFICATION
3. SURFACE ROUGHNESS: SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1.
4. PROCUREMENT SPECIFICATION: AS7205
5. BREAK SHARP EDGES: .003 TO .015 UNLESS OTHERWISE SPECIFIED
6. DIMENSIONS IN INCHES.
7. SEE PAGES 3 AND 4 FOR PART NUMBERS
8. CANCELED AFTER 3 NOV 80 USE MS171401 THRU MS171900. INTERCHANGEABILITY RELATIONSHIP: MS171401 THRU MS171900 ITEMS CAN REPLACE THE CANCELED MS9047 ITEMS. THE CANCELED MS9047 ITEMS SHOULD BE USED FOR REPLACEMENT PURPOSES UNTIL EXISTING STOCK IS DEPLETED. USE THE SUPERSEDING MS ITEMS FOR DESIGN.
9. A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN ( R ) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS, CHANGE BARS AND ( R ) ARE NOT USED IN ORIGINAL PUBLICATIONS NOR IN DOCUMENTS THAT CONTAIN EDITORIAL REVISIONS ONLY

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ASME IS AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS PUBLICATION

 An SAE International Group	<b>AEROSPACE STANDARD</b>	 SHEET 2 OF 4	<b>REV.</b> <b>A</b>
	( R ) PIN – SPRING, STEEL, PHOSPHATE FINISH		

TABLE 2 – PART NUMBERS

LENGTH L	NOMINAL DIAMETER					
	.062	.078	.094	.125	.156	.188
.188 ±.015	MS9047-002					
.250 ±.015	MS9047-003	MS9047-034	MS9047-065	MS9047-096		
.312 ±.015	MS9047-004	MS9047-035	MS9047-066	MS9047-097	MS9047-128	MS9047-159
.375 ±.015	MS9047-005	MS9047-036	MS9047-067	MS9047-098	MS9047-129	MS9047-160
.438 ±.015	MS9047-006	MS9047-037	MS9047-068	MS9047-099	MS9047-130	MS9047-161
.500 ±.015	MS9047-007	MS9047-038	MS9047-069	MS9047-100	MS9047-131	MS9047-162
.562 ±.015	MS9047-008	MS9047-039	MS9047-070	MS9047-101	MS9047-132	MS9047-163
.625 ±.015	MS9047-009	MS9047-040	MS9047-071	MS9047-102	MS9047-133	MS9047-164
.688 ±.015	MS9047-010	MS9047-041	MS9047-072	MS9047-103	MS9047-134	MS9047-165
.750 ±.015	MS9047-011	MS9047-042	MS9047-073	MS9047-104	MS9047-135	MS9047-166
.812 ±.015	MS9047-012	MS9047-043	MS9047-074	MS9047-105	MS9047-136	MS9047-167
.875 ±.015	MS9047-013	MS9047-044	MS9047-075	MS9047-106	MS9047-137	MS9047-168
.938 ±.015	MS9047-014	MS9047-045	MS9047-076	MS9047-107	MS9047-138	MS9047-169
1.000 ±.015	MS9047-015	MS9047-046	MS9047-077	MS9047-108	MS9047-139	MS9047-170
1.125 ±.020	MS9047-016	MS9047-047	MS9047-078	MS9047-109	MS9047-140	MS9047-171
1.250 ±.020		MS9047-048	MS9047-079	MS9047-110	MS9047-141	MS9047-172
1.375 ±.020		MS9047-049	MS9047-080	MS9047-111	MS9047-142	MS9047-173
1.500 ±.020		MS9047-050	MS9047-081	MS9047-112	MS9047-143	MS9047-174
1.625 ±.020		MS9047-051	MS9047-082	MS9047-113	MS9047-144	MS9047-175
1.750 ±.020		MS9047-052	MS9047-083	MS9047-114	MS9047-145	MS9047-176
1.875 ±.020		MS9047-053	MS9047-084	MS9047-115	MS9047-146	MS9047-177
2.000 ±.020		MS9047-054	MS9047-085	MS9047-116	MS9047-147	MS9047-178
2.250 ±.025					MS9047-148	MS9047-179
2.500 ±.025					MS9047-149	MS9047-180
2.750 ±.025						MS9047-181
3.000 ±.025						MS9047-182
3.250 ±.030						MS9047-183
3.500 ±.030						MS9047-184
3.750 ±.030						
4.000 ±.030						

PART NUMBERS WITHIN ENVELOPE ARE THOSE NORMALLY CARRIED IN STOCK BY INDUSTRY  
 AVAILABILITY OF PART NUMBERS OUTSIDE THE ENVELOPE SHOULD BE CHECKED BEFORE SPECIFYING.

DO NOT USE UNASSIGNED PART NUMBERS