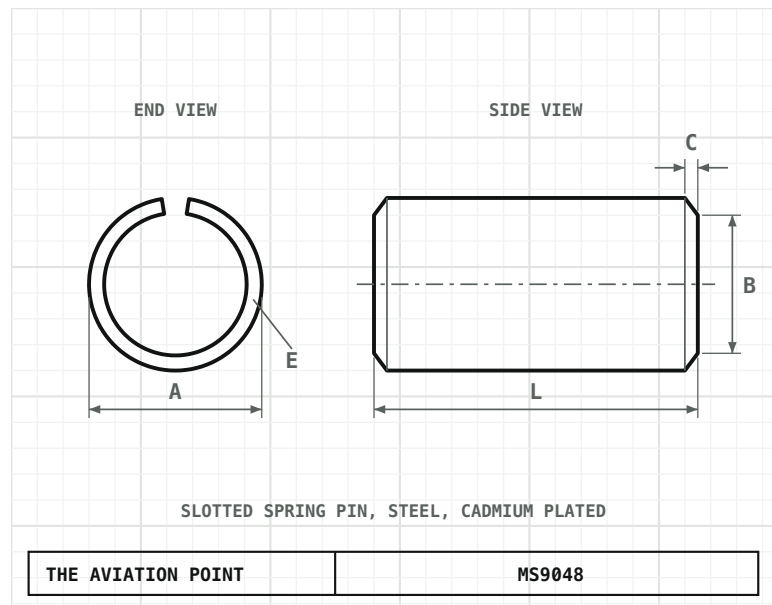
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MS9048 — slotted spring pin, steel, cadmium plated

MS9048: slotted steel spring pin, cadmium plated, .062 to .500 nominal diameter.



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Spring pin, slotted tubular
Material	Steel, AMS 5120 or AMS 5121
Finish	Cadmium plate, AMS 2400-2
Status	Check the current issue before design use. Cancelled for design after 3 Nov 1980: use MS171401 thru MS171900, whose items can replace MS9048 items. MS9048 items are used for replacement until existing stock is depleted. Rev. A validated for acquisition by Notice 1 (Jul 1994).

Dimensions by size

Dimension, in	.062	.078	.094	.125	.156	.188	.219	.250	.312	.375	.438	.500
A max — A dia, max (go ring gage)	.069	.086	.103	.135	.167	.199	.232	.264	.328	.392	.456	.521
A min — A dia, min average (D1+D2+D3)/3	.066	.083	.099	.131	.162	.194	.226	.258	.321	.385	.448	.513
B — B, max	.059	.075	.091	.122	.151	.182	.214	.245	.306	.368	.430	.485
C min — C, min	.007	.008	.008	.008	.010	.011	.011	.012	.014	.016	.017	.025
C max — C, max	.028	.032	.038	.044	.048	.055	.065	.065	.080	.095	.095	.110
E — E, stock thickness	.012	.018	.022	.028	.032	.040	.048	.048	.062	.077	.077	.094
Recommended hole, min	.062	.078	.094	.125	.156	.187	.219	.250	.312	.375	.437	.500
Recommended hole, max	.065	.081	.097	.129	.160	.192	.224	.256	.318	.382	.445	.510
Weight factor, lb per 100 (× L)	.049	.092	.140	.240	.340	.510	.700	.850	1.30	1.99	2.40	3.20

Dimensions in inches, as tabulated in the standard (letters as on its drawing).

Part numbers

.062 15 part numbers

Part no.	Length L, in	Length tol.
MS9048-002	.188	±.015
MS9048-003	.250	±.015
MS9048-004	.312	±.015
MS9048-005	.375	±.015
MS9048-006	.438	±.015
MS9048-007	.500	±.015
MS9048-008	.562	±.015
MS9048-009	.625	±.015
MS9048-010	.688	±.015
MS9048-011	.750	±.015
MS9048-012	.812	±.015
MS9048-013	.875	±.015
MS9048-014	.938	±.015
MS9048-015	1.000	±.015

.094 21 part numbers

Part no.	Length L, in	Length tol.
MS9048-065	.250	±.015
MS9048-066	.312	±.015
MS9048-067	.375	±.015
MS9048-068	.438	±.015
MS9048-069	.500	±.015
MS9048-070	.562	±.015
MS9048-071	.625	±.015
MS9048-072	.688	±.015
MS9048-073	.750	±.015
MS9048-074	.812	±.015
MS9048-075	.875	±.015
MS9048-076	.938	±.015
MS9048-077	1.000	±.015
MS9048-078	1.125	±.020

.156 22 part numbers

Part no.	Length L, in	Length tol.
MS9048-128	.312	±.015
MS9048-129	.375	±.015
MS9048-130	.438	±.015
MS9048-131	.500	±.015
MS9048-132	.562	±.015
MS9048-133	.625	±.015
MS9048-134	.688	±.015
MS9048-135	.750	±.015
MS9048-136	.812	±.015
MS9048-137	.875	±.015
MS9048-138	.938	±.015
MS9048-139	1.000	±.015
MS9048-140	1.125	±.020
MS9048-141	1.250	±.020

.078 21 part numbers

Part no.	Length L, in	Length tol.
MS9048-034	.250	±.015
MS9048-035	.312	±.015
MS9048-036	.375	±.015
MS9048-037	.438	±.015
MS9048-038	.500	±.015
MS9048-039	.562	±.015
MS9048-040	.625	±.015
MS9048-041	.688	±.015
MS9048-042	.750	±.015
MS9048-043	.812	±.015
MS9048-044	.875	±.015
MS9048-045	.938	±.015
MS9048-046	1.000	±.015
MS9048-047	1.125	±.020

.125 21 part numbers

Part no.	Length L, in	Length tol.
MS9048-096	.250	±.015
MS9048-097	.312	±.015
MS9048-098	.375	±.015
MS9048-099	.438	±.015
MS9048-100	.500	±.015
MS9048-101	.562	±.015
MS9048-102	.625	±.015
MS9048-103	.688	±.015
MS9048-104	.750	±.015
MS9048-105	.812	±.015
MS9048-106	.875	±.015
MS9048-107	.938	±.015
MS9048-108	1.000	±.015
MS9048-109	1.125	±.020

.188 26 part numbers

Part no.	Length L, in	Length tol.
MS9048-159	.312	±.015
MS9048-160	.375	±.015
MS9048-161	.438	±.015
MS9048-162	.500	±.015
MS9048-163	.562	±.015
MS9048-164	.625	±.015
MS9048-165	.688	±.015
MS9048-166	.750	±.015
MS9048-167	.812	±.015
MS9048-168	.875	±.015
MS9048-169	.938	±.015
MS9048-170	1.000	±.015
MS9048-171	1.125	±.020
MS9048-172	1.250	±.020

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.

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.219 25 part numbers

Part no.	Length L, in	Length tol.
MS9048-191	.375	±.015
MS9048-192	.438	±.015
MS9048-193	.500	±.015
MS9048-194	.562	±.015
MS9048-195	.625	±.015
MS9048-196	.688	±.015
MS9048-197	.750	±.015
MS9048-198	.812	±.015
MS9048-199	.875	±.015
MS9048-200	.938	±.015
MS9048-201	1.000	±.015
MS9048-202	1.125	±.020
MS9048-203	1.250	±.020
MS9048-204	1.375	±.020

.312 24 part numbers

Part no.	Length L, in	Length tol.
MS9048-256	.562	±.015
MS9048-257	.625	±.015
MS9048-258	.688	±.015
MS9048-259	.750	±.015
MS9048-260	.812	±.015
MS9048-261	.875	±.015
MS9048-262	.938	±.015
MS9048-263	1.000	±.015
MS9048-264	1.125	±.020
MS9048-265	1.250	±.020
MS9048-266	1.375	±.020
MS9048-267	1.500	±.020
MS9048-268	1.625	±.020
MS9048-269	1.750	±.020

.438 17 part numbers

Part no.	Length L, in	Length tol.
MS9048-325	1.000	±.015
MS9048-326	1.125	±.020
MS9048-327	1.250	±.020
MS9048-328	1.375	±.020
MS9048-329	1.500	±.020
MS9048-330	1.625	±.020
MS9048-331	1.750	±.020
MS9048-332	1.875	±.020
MS9048-333	2.000	±.020
MS9048-334	2.250	±.025
MS9048-335	2.500	±.025
MS9048-336	2.750	±.025
MS9048-337	3.000	±.025
MS9048-338	3.250	±.030

.250 25 part numbers

Part no.	Length L, in	Length tol.
MS9048-222	.375	±.015
MS9048-223	.438	±.015
MS9048-224	.500	±.015
MS9048-225	.562	±.015
MS9048-226	.625	±.015
MS9048-227	.688	±.015
MS9048-228	.750	±.015
MS9048-229	.812	±.015
MS9048-230	.875	±.015
MS9048-231	.938	±.015
MS9048-232	1.000	±.015
MS9048-233	1.125	±.020
MS9048-234	1.250	±.020
MS9048-235	1.375	±.020

.375 24 part numbers

Part no.	Length L, in	Length tol.
MS9048-287	.562	±.015
MS9048-288	.625	±.015
MS9048-289	.688	±.015
MS9048-290	.750	±.015
MS9048-291	.812	±.015
MS9048-292	.875	±.015
MS9048-293	.938	±.015
MS9048-294	1.000	±.015
MS9048-295	1.125	±.020
MS9048-296	1.250	±.020
MS9048-297	1.375	±.020
MS9048-298	1.500	±.020
MS9048-299	1.625	±.020
MS9048-300	1.750	±.020

.500 15 part numbers

Part no.	Length L, in	Length tol.
MS9048-358	1.250	±.020
MS9048-359	1.375	±.020
MS9048-360	1.500	±.020
MS9048-361	1.625	±.020
MS9048-362	1.750	±.020
MS9048-363	1.875	±.020
MS9048-364	2.000	±.020
MS9048-365	2.250	±.025
MS9048-366	2.500	±.025
MS9048-367	2.750	±.025
MS9048-368	3.000	±.025
MS9048-369	3.250	±.030
MS9048-370	3.500	±.030
MS9048-371	3.750	±.030

Showing 168 of 256 rows. Complete table: theaviationpoint.com/parts/pins/ms9048/

How to read the part number

Part	Meaning
Format	MS9048-<dash>
Example	MS9048-108 — .125 nominal diameter, length 1.000

Notes

- **Cancelled: use MS171401 thru MS171900.** MS9048 is cancelled (Cancelled for design after 3 Nov 1980: use MS171401 thru MS171900.). Replacement named by the standard: MS171401 thru MS171900. The old number MS9048-002 still turns up on drawings and IPCs: check the replacement for each part before you order.
- Manufacturing specification AMS 7205; surface roughness AS291.
- Break sharp edges .003-.015 unless otherwise specified. Shape of chamfer optional.
- Approximate weight per 100 pins, lb = length L × the weight factor of its diameter.
- Lengths and diameters not listed are manufactured to special order. Do not use unassigned part numbers.

SOURCES · MS9048 Rev. A, 3 Nov 1980 — Pin — Spring, Steel, Cadmium Plated

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/pins/ms9048/

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.