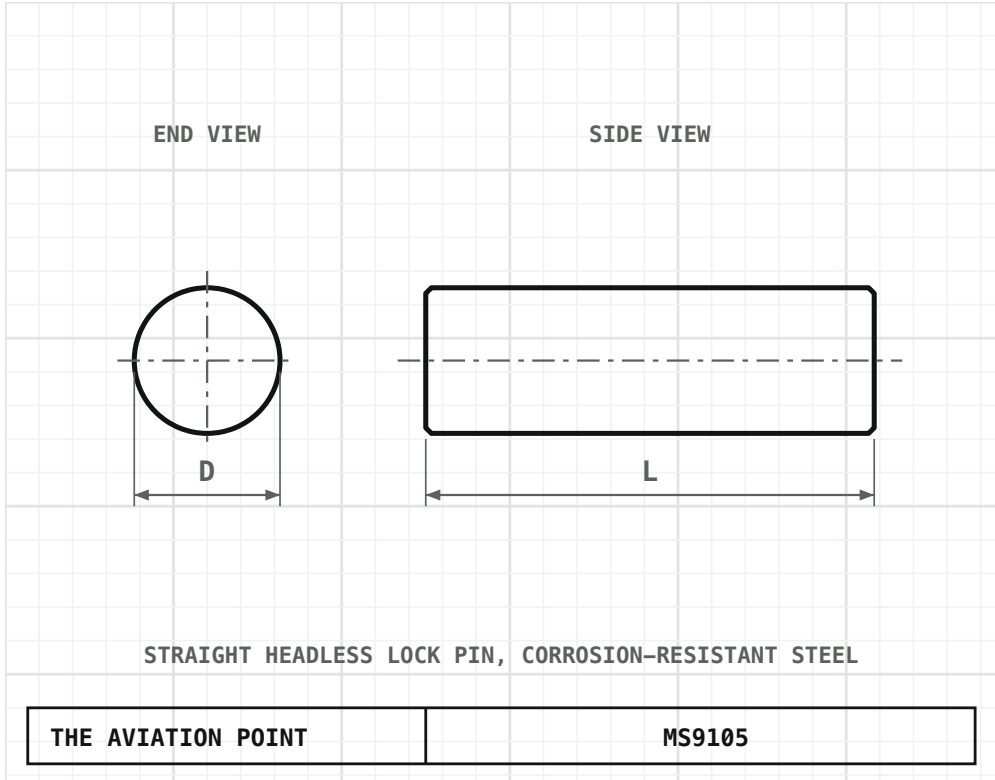
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MS9105 — straight headless lock pin, corrosion-resistant steel (now AS9105)

MS9105: straight headless lock pin in AMS 5688 corrosion-resistant steel, .0625 to .1875 diameter.



Engineering drawing · dimensions in inches

Specification

Item	Value
Current standard	AS9105 (part numbers unchanged)
Type	Straight headless pin
Material	Corrosion-resistant steel, AMS 5688; tensile requirement waived
Status	Check the current issue before design use. Cancelled by Notice 2 (Sep 1998) and superseded by AS9105; the notice states the part numbers are identical.

Dimensions by size

Dimension, in	.0625	.0938	.1250	.1875
D — D dia	.0625	.0938	.1250	.1875
D tolerance	±.0005	±.0005	±.0005	±.0005
Hardness	Rockwell C47-55 or equivalent	Rockwell C45-54 or equivalent	Rockwell C42-53 or equivalent	Rockwell C38-46 or equivalent

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

Part numbers

.0625 23 part numbers

Part no.	Length L, in (±.010)
MS9105-01	.125
MS9105-02	.188
MS9105-03	.250
MS9105-04	.312
MS9105-05	.375
MS9105-06	.438
MS9105-07	.500
MS9105-08	.562
MS9105-09	.625
MS9105-10	.688
MS9105-11	.750
MS9105-12	.812
MS9105-13	.875
MS9105-14	.938
MS9105-15	1.000
MS9105-16	1.062
MS9105-17	1.125
MS9105-18	1.188
MS9105-19	1.250
MS9105-20	1.312
MS9105-21	1.375
MS9105-22	1.438
MS9105-23	1.500

.0938 23 part numbers

Part no.	Length L, in (±.010)
MS9105-26	.125
MS9105-27	.188
MS9105-28	.250
MS9105-29	.312
MS9105-30	.375
MS9105-31	.438
MS9105-32	.500
MS9105-33	.562
MS9105-34	.625
MS9105-35	.688
MS9105-36	.750
MS9105-37	.812
MS9105-38	.875
MS9105-39	.938
MS9105-40	1.000
MS9105-41	1.062
MS9105-42	1.125
MS9105-43	1.188
MS9105-44	1.250
MS9105-45	1.312
MS9105-46	1.375
MS9105-47	1.438
MS9105-48	1.500

.1250 23 part numbers

Part no.	Length L, in (±.010)
MS9105-51	.125
MS9105-52	.188
MS9105-53	.250
MS9105-54	.312
MS9105-55	.375
MS9105-56	.438
MS9105-57	.500
MS9105-58	.562
MS9105-59	.625
MS9105-60	.688
MS9105-61	.750
MS9105-62	.812
MS9105-63	.875
MS9105-64	.938
MS9105-65	1.000
MS9105-66	1.062
MS9105-67	1.125
MS9105-68	1.188
MS9105-69	1.250
MS9105-70	1.312
MS9105-71	1.375
MS9105-72	1.438
MS9105-73	1.500

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

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.1875 23 part numbers

Part no.	Length L, in (±.010)
MS9105-76	.125
MS9105-77	.188
MS9105-78	.250
MS9105-79	.312
MS9105-80	.375
MS9105-81	.438
MS9105-82	.500
MS9105-83	.562
MS9105-84	.625
MS9105-85	.688
MS9105-86	.750
MS9105-87	.812
MS9105-88	.875
MS9105-89	.938
MS9105-90	1.000
MS9105-91	1.062
MS9105-92	1.125
MS9105-93	1.188
MS9105-94	1.250
MS9105-95	1.312
MS9105-96	1.375
MS9105-97	1.438
MS9105-98	1.500

How to read the part number

Part	Meaning
Format	MS9105-<dash>
Example	MS9105-15 — .0625 diameter, length 1.000

Notes

- **Current standard: AS9105.** MS9105 is now controlled by **AS9105** (MS9105B, Notice 2). The part numbers do not change: **MS9105-01** is still the number on drawings, IPCs and bags, and it is the same part. Order it by that number; the current document is AS9105.
- Pin straight within .001 for lengths .125 to 1.000 and within .002 for lengths 1.062 to 1.500.
- Length tolerance ±.010; diameter tolerance ±.0005.
- Identification: mark MS9105-XX and the manufacturer's identification on the container.
- Surface roughness 32 (AS291). Break sharp edges .003-.015.
- Do not use unassigned part numbers.

SOURCES · MS9105 Rev. B, 1 Feb 1980 — Pin, Straight, Headless, AMS 5688, Lock

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/pins/ms9105/

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