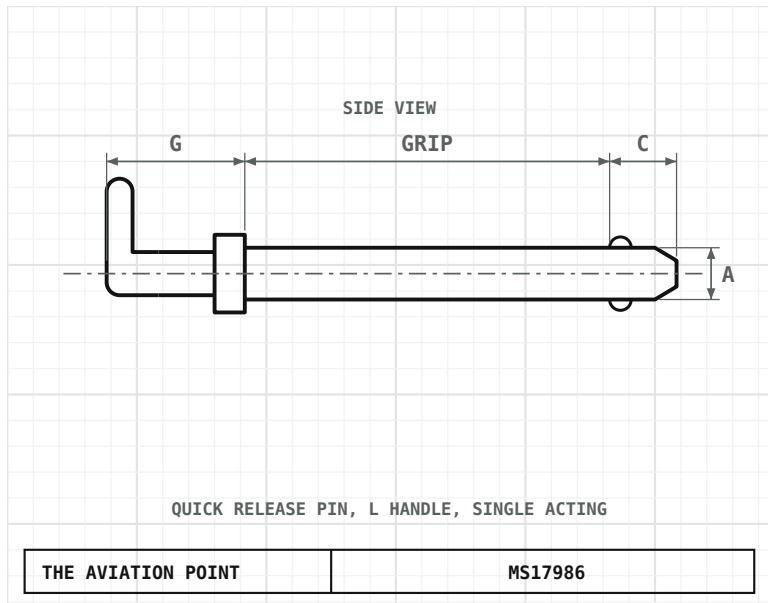
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MS17986 — quick release pin, L handle, single acting (now NASM17986)

MS17986: single acting, self-retaining quick release pin with L handle, 3/16 to 1 diameter.



Engineering drawing · dimensions in inches

Specification

Item	Value
Current standard	NASM17986 (part numbers unchanged)
Type	Quick release pin, L handle
Material	Shank and spindle: corrosion-resistant steel 17-4PH (UNS S17400, AMS 5643) or PH15-7Mo (UNS S15700, AMS 5657), heat treated per MIL-H-6875 to condition H-900 (17-4PH) or CH-900 (PH15-7Mo), Rockwell C40 min; locking elements: CRES 440C (UNS S44004, AMS 5630 or AMS 5880); handle and button: CRES 303 (ASTM A484, A581 or A582) or aluminum alloy 380 (QQ-A-591), 2011 (QQ-A-225/3), 2017 (QQ-A-225/5), 2024 (QQ-A-225/6) or 6061-T6 (QQ-A-200/8 or QQ-A-225/8); collar: CRES 301, 302, 303 or 304; spring: CRES 17-7PH (AMS 5678) or CRES 302 Class 1 (ASTM A313); attaching link or ring: CRES 17-7PH, spring temper (AMS 5678), or CRES 302 (ASTM A313)
Finish	CRES parts passivated (QQ-P-35); aluminum alloy parts anodized (MIL-A-8625, Type I or II, Class 2) or chemical film (MIL-C-5541, Class 1A); handles black
Status	Check the current issue before design use. Cancelled by Notice 1 (Nov 1998) and superseded by NASM17986; the notice states the part numbers are identical.

Dimensions by size

Dimension, in	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
A max — A dia, max	.1885	.2485	.3110	.3735	.4360	.4985	.5610	.6235	.7485	.8735	.9985
A min — A dia, min	.1870	.2470	.3095	.3720	.4345	.4970	.5595	.6220	.7470	.8720	.9970
B — B, ±.005	.220	.289	.375	.440	.509	.594	.666	.750	.887	1.045	1.219
C — C, +.000 -.040	.260	.290	.330	.365	.380	.460	.510	.580	.670	.760	.890
D max — D dia, max	.310	.310	.310	.390	.390	.565	.565	.580	.700	.840	.950
D min — D dia, min	.250	.250	.250	.300	.300	.435	.435	.450	.570	.700	.750
E max — E dia, max	.500	.500	.500	.625	.625	.800	.800	.975	1.000	1.320	1.320
E min — E dia, min	.380	.380	.380	.510	.510	.630	.630	.810	.810	1.120	1.180
F max — F, max	1.800	1.800	1.800	2.030	2.030	2.360	2.360	3.070	3.070	3.700	3.700
F min — F, min	1.720	1.720	1.720	1.945	1.945	2.230	2.230	2.385	2.465	2.750	2.750
G — G, max	1.270	1.270	1.270	1.450	1.470	1.600	1.600	1.700	1.720	2.170	2.170
H — H, min	.760	.760	.760	.850	.850	.850	.850	.905	.980	1.200	1.200
K — K, max	.340	.340	.340	.390	.390	.500	.500	.600	.600	.800	.800
Double shear, min, lb	5150	9200	14400	20600	28000	36800	46000	57500	82500	112500	147000

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

Showing 14 of 17 rows. Complete table: theaviationpoint.com/parts/pins/ms17986/

Part numbers

3/16 97 part numbers

Part no.	Grip, in
MS17986C303	.300
MS17986C304	.400
MS17986C305	.500
MS17986C306	.600
MS17986C307	.700
MS17986C308	.800
MS17986C309	.900
MS17986C310	1.000
MS17986C311	1.100
MS17986C312	1.200
MS17986C313	1.300
MS17986C314	1.400
MS17986C315	1.500
MS17986C316	1.600

1/4 97 part numbers

Part no.	Grip, in
MS17986C403	.300
MS17986C404	.400
MS17986C405	.500
MS17986C406	.600
MS17986C407	.700
MS17986C408	.800
MS17986C409	.900
MS17986C410	1.000
MS17986C411	1.100
MS17986C412	1.200
MS17986C413	1.300
MS17986C414	1.400
MS17986C415	1.500
MS17986C416	1.600

5/16 97 part numbers

Part no.	Grip, in
MS17986C503	.300
MS17986C504	.400
MS17986C505	.500
MS17986C506	.600
MS17986C507	.700
MS17986C508	.800
MS17986C509	.900
MS17986C510	1.000
MS17986C511	1.100
MS17986C512	1.200
MS17986C513	1.300
MS17986C514	1.400
MS17986C515	1.500
MS17986C516	1.600

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

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3/8 95 part numbers

Part no.	Grip, in
MS17986C605	.500
MS17986C606	.600
MS17986C607	.700
MS17986C608	.800
MS17986C609	.900
MS17986C610	1.000
MS17986C611	1.100
MS17986C612	1.200
MS17986C613	1.300
MS17986C614	1.400
MS17986C615	1.500
MS17986C616	1.600
MS17986C617	1.700
MS17986C618	1.800

9/16 93 part numbers

Part no.	Grip, in
MS17986C907	.700
MS17986C908	.800
MS17986C909	.900
MS17986C910	1.000
MS17986C911	1.100
MS17986C912	1.200
MS17986C913	1.300
MS17986C914	1.400
MS17986C915	1.500
MS17986C916	1.600
MS17986C917	1.700
MS17986C918	1.800
MS17986C919	1.900
MS17986C920	2.000

7/8 90 part numbers

Part no.	Grip, in
MS17986C1410	1.000
MS17986C1411	1.100
MS17986C1412	1.200
MS17986C1413	1.300
MS17986C1414	1.400
MS17986C1415	1.500
MS17986C1416	1.600
MS17986C1417	1.700
MS17986C1418	1.800
MS17986C1419	1.900
MS17986C1420	2.000
MS17986C1421	2.100
MS17986C1422	2.200
MS17986C1423	2.300

7/16 95 part numbers

Part no.	Grip, in
MS17986C705	.500
MS17986C706	.600
MS17986C707	.700
MS17986C708	.800
MS17986C709	.900
MS17986C710	1.000
MS17986C711	1.100
MS17986C712	1.200
MS17986C713	1.300
MS17986C714	1.400
MS17986C715	1.500
MS17986C716	1.600
MS17986C717	1.700
MS17986C718	1.800

5/8 91 part numbers

Part no.	Grip, in
MS17986C1009	.900
MS17986C1010	1.000
MS17986C1011	1.100
MS17986C1012	1.200
MS17986C1013	1.300
MS17986C1014	1.400
MS17986C1015	1.500
MS17986C1016	1.600
MS17986C1017	1.700
MS17986C1018	1.800
MS17986C1019	1.900
MS17986C1020	2.000
MS17986C1021	2.100
MS17986C1022	2.200

1 90 part numbers

Part no.	Grip, in
MS17986C1610	1.000
MS17986C1611	1.100
MS17986C1612	1.200
MS17986C1613	1.300
MS17986C1614	1.400
MS17986C1615	1.500
MS17986C1616	1.600
MS17986C1617	1.700
MS17986C1618	1.800
MS17986C1619	1.900
MS17986C1620	2.000
MS17986C1621	2.100
MS17986C1622	2.200
MS17986C1623	2.300

1/2 93 part numbers

Part no.	Grip, in
MS17986C807	.700
MS17986C808	.800
MS17986C809	.900
MS17986C810	1.000
MS17986C811	1.100
MS17986C812	1.200
MS17986C813	1.300
MS17986C814	1.400
MS17986C815	1.500
MS17986C816	1.600
MS17986C817	1.700
MS17986C818	1.800
MS17986C819	1.900
MS17986C820	2.000

3/4 91 part numbers

Part no.	Grip, in
MS17986C1209	.900
MS17986C1210	1.000
MS17986C1211	1.100
MS17986C1212	1.200
MS17986C1213	1.300
MS17986C1214	1.400
MS17986C1215	1.500
MS17986C1216	1.600
MS17986C1217	1.700
MS17986C1218	1.800
MS17986C1219	1.900
MS17986C1220	2.000
MS17986C1221	2.100
MS17986C1222	2.200

Showing 154 of 1029 rows. Complete table: theaviationpoint.com/parts/pins/ms17986/

How to read the part number

Part	Meaning
Example	MS17986C410 — Corrosion-resistant steel pin, 1/4 shank diameter, grip 1.000

Notes

- **Current standard: NASM17986.** MS17986 is now controlled by **NASM17986** (MS17986G, Notice 1). The part numbers do not change: **MS17986C303** is still the number on drawings, IPCs and bags, and it is the same part. Order it by that number; the current document is NASM17986.
- Part number: basic MS number, C (corrosion-resistant steel pin), shank diameter in sixteenths of an inch and grip in tenths of an inch: MS17986C410 is the 1/4 pin with a 1.000 grip.
- Grip lengths from the first listed to 9.900 in steps of .100 for every diameter.
- Grip +.020 −.000, measured to the edge of the locking element hole prior to staking.
- For cost purposes 1/4, 1/2 and 5/8 pins are preferred over 3/16, 7/16 and 9/16 pins respectively.
- Collar mandatory on pins with aluminum alloy handles, optional on pins with CRES handles.
- Alloy steel pins were eliminated: numbers of Revision F with a dash in place of C (alloy steel) are cancelled and superseded in Revision G by the same number with C (MS17986-410 is superseded by MS17986C410).

SOURCES · MS17986 Rev. G, 1 Jun 1994 — Pin, Quick Release, Self-Retaining, Positive Locking, Single Acting, "L" Handle

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/pins/ms17986/

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