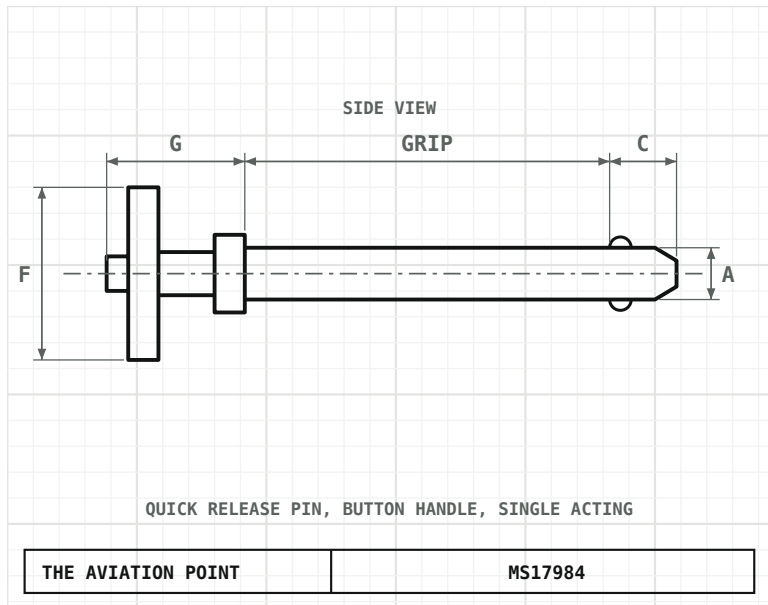
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MS17984 — quick release pin, button handle, single acting (now NASM17984)

MS17984: single acting, self-retaining quick release pin with button handle, 3/16 to 1 diameter.



Engineering drawing · dimensions in inches

Specification

Item	Value
Current standard	NASM17984 (part numbers unchanged)
Type	Quick release pin, button handle
Material	Shank and spindle: corrosion-resistant steel 17-4PH (AMS 5643, condition H-900) or PH15-7Mo (AMS 5520 or AMS 5657, condition CH-900), Rockwell C40 min; locking elements: CRES 440C (AMS 5630 or AMS 5880); handle and button: CRES 303 or aluminum alloy 380, 2011, 2017, 2024 or 6061-T6; collar: CRES 301, 302, 303 or 304; spring and attaching ring or link: CRES 17-7PH (AMS 5678) or CRES 302
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 Cancelled by Notice 1 (Nov 1998) and superseded by NASM17984; the notice states the part numbers are identical.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	—	.3735	.4360	.4985	.5610	.6235	.7485	.8735	.9985
A min — A dia, min	—	.2470	.3095	.3720	.4345	.4970	.5595	.6220	.7470	.8720	.9970
B — B, ±.005	—	.289	.375	.440	.509	.594	.666	.750	.887	1.046	1.219
C — C, +.000 -.040	—	—	—	.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	.300	.300	.435	.435	.450	.570	.700	.750
E max — E dia, max	.440	.440	.490	.570	.625	—	.765	.865	1.000	1.130	1.250
E min — E dia, min	.310	.310	.410	.450	.550	.600	.680	.750	.865	.980	1.175
F max — F dia, max	.800	—	1.135	1.135	1.400	1.400	1.650	1.700	1.900	2.250	2.250
F min — F dia, min	.720	.720	.810	.875	.940	1.300	1.340	1.530	1.790	2.120	2.120
G — G, max	.830	.890	.930	1.040	1.160	1.190	1.410	1.500	1.680	1.985	2.140
H — H, min	.480	—	—	.620	.620	.720	.950	.950	1.140	1.270	1.490
Double shear, min, lb	—	9200	14400	20600	28000	36800	46000	57500	82500	112500	147000
Recommended hole dia, max	.194	.254	.3165	.379	.4425	.505	.5675	.630	.757	.882	1.010

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

Showing 14 of 15 rows. Complete table: theaviationpoint.com/parts/pins/ms17984/

Part numbers

3/16 97 part numbers

Part no.	Grip, in
MS17984C303	.300
MS17984C304	.400
MS17984C305	.500
MS17984C306	.600
MS17984C307	.700
MS17984C308	.800
MS17984C309	.900
MS17984C310	1.000
MS17984C311	1.100
MS17984C312	1.200
MS17984C313	1.300
MS17984C314	1.400
MS17984C315	1.500
MS17984C316	1.600

1/4 97 part numbers

Part no.	Grip, in
MS17984C403	.300
MS17984C404	.400
MS17984C405	.500
MS17984C406	.600
MS17984C407	.700
MS17984C408	.800
MS17984C409	.900
MS17984C410	1.000
MS17984C411	1.100
MS17984C412	1.200
MS17984C413	1.300
MS17984C414	1.400
MS17984C415	1.500
MS17984C416	1.600

5/16 97 part numbers

Part no.	Grip, in
MS17984C503	.300
MS17984C504	.400
MS17984C505	.500
MS17984C506	.600
MS17984C507	.700
MS17984C508	.800
MS17984C509	.900
MS17984C510	1.000
MS17984C511	1.100
MS17984C512	1.200
MS17984C513	1.300
MS17984C514	1.400
MS17984C515	1.500
MS17984C516	1.600

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

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3/8 97 part numbers

Part no.	Grip, in
MS17984C603	.300
MS17984C604	.400
MS17984C605	.500
MS17984C606	.600
MS17984C607	.700
MS17984C608	.800
MS17984C609	.900
MS17984C610	1.000
MS17984C611	1.100
MS17984C612	1.200
MS17984C613	1.300
MS17984C614	1.400
MS17984C615	1.500
MS17984C616	1.600

7/16 95 part numbers

Part no.	Grip, in
MS17984C705	.500
MS17984C706	.600
MS17984C707	.700
MS17984C708	.800
MS17984C709	.900
MS17984C710	1.000
MS17984C711	1.100
MS17984C712	1.200
MS17984C713	1.300
MS17984C714	1.400
MS17984C715	1.500
MS17984C716	1.600
MS17984C717	1.700
MS17984C718	1.800

1/2 95 part numbers

Part no.	Grip, in
MS17984C805	.500
MS17984C806	.600
MS17984C807	.700
MS17984C808	.800
MS17984C809	.900
MS17984C810	1.000
MS17984C811	1.100
MS17984C812	1.200
MS17984C813	1.300
MS17984C814	1.400
MS17984C815	1.500
MS17984C816	1.600
MS17984C817	1.700
MS17984C818	1.800

9/16 93 part numbers

Part no.	Grip, in
MS17984C907	.700
MS17984C908	.800
MS17984C909	.900
MS17984C910	1.000
MS17984C911	1.100
MS17984C912	1.200
MS17984C913	1.300
MS17984C914	1.400
MS17984C915	1.500
MS17984C916	1.600
MS17984C917	1.700
MS17984C918	1.800
MS17984C919	1.900
MS17984C920	2.000

5/8 91 part numbers

Part no.	Grip, in
MS17984C1009	.900
MS17984C1010	1.000
MS17984C1011	1.100
MS17984C1012	1.200
MS17984C1013	1.300
MS17984C1014	1.400
MS17984C1015	1.500
MS17984C1016	1.600
MS17984C1017	1.700
MS17984C1018	1.800
MS17984C1019	1.900
MS17984C1020	2.000
MS17984C1021	2.100
MS17984C1022	2.200

3/4 91 part numbers

Part no.	Grip, in
MS17984C1209	.900
MS17984C1210	1.000
MS17984C1211	1.100
MS17984C1212	1.200
MS17984C1213	1.300
MS17984C1214	1.400
MS17984C1215	1.500
MS17984C1216	1.600
MS17984C1217	1.700
MS17984C1218	1.800
MS17984C1219	1.900
MS17984C1220	2.000
MS17984C1221	2.100
MS17984C1222	2.200

7/8 90 part numbers

Part no.	Grip, in
MS17984C1410	1.000
MS17984C1411	1.100
MS17984C1412	1.200
MS17984C1413	1.300
MS17984C1414	1.400
MS17984C1415	1.500
MS17984C1416	1.600
MS17984C1417	1.700
MS17984C1418	1.800
MS17984C1419	1.900
MS17984C1420	2.000
MS17984C1421	2.100
MS17984C1422	2.200
MS17984C1423	2.300

1 90 part numbers

Part no.	Grip, in
MS17984C1610	1.000
MS17984C1611	1.100
MS17984C1612	1.200
MS17984C1613	1.300
MS17984C1614	1.400
MS17984C1615	1.500
MS17984C1616	1.600
MS17984C1617	1.700
MS17984C1618	1.800
MS17984C1619	1.900
MS17984C1620	2.000
MS17984C1621	2.100
MS17984C1622	2.200
MS17984C1623	2.300

Showing 154 of 1033 rows. Complete table: theaviationpoint.com/parts/pins/ms17984/

How to read the part number

Part	Meaning
Example	MS17984C410 — Corrosion-resistant steel pin, 1/4 shank diameter, grip 1.000

Notes

- **Current standard: NASM17984.** MS17984 is now controlled by **NASM17984** (MS17984F, Notice 1). The part numbers do not change: **MS17984C303** is still the number on drawings, IPCs and bags, and it is the same part. Order it by that number; the current document is NASM17984.
- Part number: basic MS number, C (corrosion-resistant steel pin), shank diameter in sixteenths of an inch and grip in tenths of an inch: MS17984C410 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 E with a dash in place of C (alloy steel) are cancelled and superseded in Revision F by the same number with C (MS17984-410 is superseded by MS17984C410).

SOURCES · MS17984 Rev. F, 1 Jun 1994 — Pin, Quick Release, Self-Retaining, Positive Locking, Single Acting, Button Handle

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/pins/ms17984/

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

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