THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

The Aviation Point

MS35495 screw — round, slotted

MS35495: wood screw, round head, steel (cadmium or zinc plated) or brass, sizes 2 to 18.

Specification

Item	Value
Head	round, slotted
Drive	slot
Thread series	Wood screw thread; threads per inch by size (maximum variation ±10 percent)
Material	Carbon steel 1010 thru 1022 or 1108 thru 1118 (QQ-S-631, QQ-S-634, QQ-S-637 or QQ-W-405); brass, alloy 260 or 268, quarter-hard (QQ-B-613 or QQ-B-626), or alloy 260 or 270, quarter-hard (QQ-W-321)

Item	Value
Finish	Steel: cadmium plated (QQ-P-416, Type II, Class 3, or MIL-C-81562, Type II, Class 3) or zinc coated (QQ-Z-325, Type II, Class 3, or MIL-C-81562, Type II, Class 3). Brass: plain, uncoated
Procurement	FF-S-111
Status	Check the current issue before design use. Rev. D (15 Aug 1974). Notice 2 (1 Feb 1996): reinstated for acquisition. Notice 3 (18 Nov 1999): inactive for new design; used only for replacement purposes. Notices 4 (Sep 2018) and 5 (Dec 2024): remains inactive for new design; valid for use. Sizes 3, 5, 7 and 9 are inactive for new design after 15 Aug 1974.

Dimensions by size

Dimension, in	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 12	No. 14	No. 16	No. 18
D screw dia	.079 - .090; basic .086	.092 - .103; basic .099	.105 - .116; basic .112	.118 - .129; basic .125	.131 - .142; basic .138	.144 - .155; basic .151	.157 - .168; basic .164	.170 - .181; basic .177	.183 - .194; basic .190	.209 - .220; basic .216	.235 - .246; basic .242	.261 - .272; basic .268	.287 - .298; basic .294
A head dia	.146 - .162	.169 - .187	.193 - .211	.217 - .236	.240 - .260	.264 - .285	.287 - .309	.311 - .334	.334 - .359	.382 - .408	.429 - .457	.476 - .506	.523 - .555
H head height	.059 - .069	.067 - .078	.075 - .086	.083 - .095	.091 - .103	.099 - .111	.107 - .120	.115 - .128	.123 - .137	.139 - .153	.155 - .170	.171 - .187	.187 - .204
J slot width	.023 - .031	.027 - .035	.031 - .039	.035 - .043	.039 - .048	.039 - .048	.045 - .054	.045 - .054	.050 - .060	.056 - .067	.064 - .075	.064 - .075	.072 - .084
T slot depth	.037 - .048	.040 - .053	.044 - .058	.047 - .063	.051 - .068	.055 - .072	.058 - .077	.062 - .082	.065 - .087	.073 - .096	.080 - .106	.087 - .115	.094 - .125
R fillet radius max	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.05	.05	.05
threads per inch	26	24	22	20	18	16	15	14	13	11	10	9	8

Inches, as tabulated in MS35495 Rev. D Table I; letters as on the standard's drawing. D: basic, maximum and minimum screw diameter.

Part numbers and lengths

No. 2 10 part numbers

Part no.	Length, in	Tol.
MS35495-1	.25	+.00/-.03
MS35495-2	.38	+.00/-.03
MS35495-3	.50	+.00/-.03
MS35495-4	.62	+.00/-.03
MS35495-5	.75	+.00/-.05
MS35495-201	.25	+.00/-.03
MS35495-202	.38	+.00/-.03
MS35495-203	.50	+.00/-.03
MS35495-204	.62	+.00/-.03
MS35495-205	.75	+.00/-.05

No. 3 5 part numbers

Part no.	Length, in	Tol.
MS35495-7	.75	+.00/-.05
MS35495-902	.38	+.00/-.03
MS35495-903	.50	+.00/-.03
MS35495-904	.62	+.00/-.03
MS35495-905	.75	+.00/-.05

No. 4 16 part numbers

Part no.	Length, in	Tol.
MS35495-9	.25	+.00/-.03
MS35495-10	.38	+.00/-.03
MS35495-11	.50	+.00/-.03
MS35495-12	.62	+.00/-.03
MS35495-13	.75	+.00/-.05
MS35495-14	.88	+.00/-.05
MS35495-15	1.00	+.00/-.05
MS35495-16	1.25	+.00/-.05
MS35495-17	1.50	+.00/-.05
MS35495-209	.25	+.00/-.03
MS35495-210	.38	+.00/-.03
MS35495-211	.50	+.00/-.03
MS35495-212	.62	+.00/-.03
MS35495-213	.75	+.00/-.05
MS35495-214	.88	+.00/-.05
MS35495-215	1.00	+.00/-.05

No. 5 14 part numbers

Part no.	Length, in	Tol.
MS35495-22	.38	+.00/-.03
MS35495-23	.50	+.00/-.03
MS35495-24	.62	+.00/-.03
MS35495-25	.75	+.00/-.05
MS35495-26	.88	+.00/-.05
MS35495-27	1.00	+.00/-.05
MS35495-28	1.25	+.00/-.05
MS35495-29	1.50	+.00/-.05
MS35495-219	.38	+.00/-.03
MS35495-220	.50	+.00/-.03
MS35495-221	.62	+.00/-.03
MS35495-222	.75	+.00/-.05
MS35495-223	.88	+.00/-.05
MS35495-224	1.00	+.00/-.05

No. 6 20 part numbers

Part no.	Length, in	Tol.
MS35495-34	.38	+.00/-.03
MS35495-35	.50	+.00/-.03
MS35495-36	.62	+.00/-.03
MS35495-37	.75	+.00/-.05
MS35495-38	.88	+.00/-.05
MS35495-39	1.00	+.00/-.05
MS35495-40	1.25	+.00/-.05
MS35495-41	1.50	+.00/-.05
MS35495-42	1.75	+.00/-.06
MS35495-43	2.00	+.00/-.06
MS35495-44	2.25	+.00/-.06
MS35495-45	2.50	+.00/-.06
MS35495-229	.38	+.00/-.03
MS35495-230	.50	+.00/-.03
MS35495-231	.62	+.00/-.03
MS35495-232	.75	+.00/-.05
MS35495-233	.88	+.00/-.05
MS35495-234	1.00	+.00/-.05
MS35495-235	1.25	+.00/-.05
MS35495-236	1.50	+.00/-.05

No. 7 17 part numbers

Part no.	Length, in	Tol.
MS35495-49	.38	+.00/-.03
MS35495-50	.50	+.00/-.03
MS35495-51	.62	+.00/-.03
MS35495-52	.75	+.00/-.05
MS35495-53	.88	+.00/-.05
MS35495-54	1.00	+.00/-.05
MS35495-55	1.25	+.00/-.05
MS35495-56	1.50	+.00/-.05
MS35495-57	1.75	+.00/-.06
MS35495-58	2.00	+.00/-.06
MS35495-59	2.25	+.00/-.06
MS35495-60	2.50	+.00/-.06
MS35495-240	.75	+.00/-.05
MS35495-241	.88	+.00/-.05
MS35495-242	1.00	+.00/-.05
MS35495-243	1.25	+.00/-.05
MS35495-244	1.50	+.00/-.05

No. 8 23 part numbers

Part no.	Length, in	Tol.
MS35495-63	.38	+.00/-.03
MS35495-64	.50	+.00/-.03
MS35495-65	.62	+.00/-.03
MS35495-66	.75	+.00/-.05
MS35495-67	.88	+.00/-.05
MS35495-68	1.00	+.00/-.05
MS35495-69	1.25	+.00/-.05
MS35495-70	1.50	+.00/-.05
MS35495-71	1.75	+.00/-.06
MS35495-72	2.00	+.00/-.06
MS35495-73	2.25	+.00/-.06
MS35495-74	2.50	+.00/-.06
MS35495-75	2.75	+.00/-.06
MS35495-76	3.00	+.00/-.09
MS35495-248	.50	+.00/-.03
MS35495-249	.62	+.00/-.03
MS35495-250	.75	+.00/-.05
MS35495-251	.88	+.00/-.05
MS35495-252	1.00	+.00/-.05
MS35495-253	1.25	+.00/-.05
MS35495-254	1.50	+.00/-.05
MS35495-255	1.75	+.00/-.06
MS35495-256	2.00	+.00/-.06

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.
THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

No. 9 19 part numbers

Part no.	Length, in	Tol.
MS35495-77	.50	+.00/-.03
MS35495-78	.62	+.00/-.03
MS35495-79	.75	+.00/-.05
MS35495-80	.88	+.00/-.05
MS35495-81	1.00	+.00/-.05
MS35495-82	1.25	+.00/-.05
MS35495-83	1.50	+.00/-.05
MS35495-84	1.75	+.00/-.06
MS35495-85	2.00	+.00/-.06
MS35495-86	2.25	+.00/-.06
MS35495-87	2.50	+.00/-.06
MS35495-88	2.75	+.00/-.06
MS35495-89	3.00	+.00/-.09
MS35495-259	.62	+.00/-.03
MS35495-260	.75	+.00/-.05
MS35495-261	.88	+.00/-.05
MS35495-262	1.00	+.00/-.05
MS35495-263	1.25	+.00/-.05
MS35495-264	1.50	+.00/-.05

No. 10 24 part numbers

Part no.	Length, in	Tol.
MS35495-92	.50	+.00/-.03
MS35495-93	.62	+.00/-.03
MS35495-94	.75	+.00/-.05
MS35495-95	.88	+.00/-.05
MS35495-96	1.00	+.00/-.05
MS35495-97	1.25	+.00/-.05
MS35495-98	1.50	+.00/-.05
MS35495-99	1.75	+.00/-.06
MS35495-100	2.00	+.00/-.06
MS35495-101	2.25	+.00/-.06
MS35495-102	2.50	+.00/-.06
MS35495-103	2.75	+.00/-.06
MS35495-104	3.00	+.00/-.09
MS35495-105	3.50	+.00/-.09
MS35495-268	.62	+.00/-.03
MS35495-269	.75	+.00/-.05
MS35495-270	.88	+.00/-.05
MS35495-271	1.00	+.00/-.05
MS35495-272	1.25	+.00/-.05
MS35495-273	1.50	+.00/-.05
MS35495-274	1.75	+.00/-.06
MS35495-275	2.00	+.00/-.06
MS35495-276	2.25	+.00/-.06
MS35495-277	2.50	+.00/-.06

No. 12 25 part numbers

Part no.	Length, in	Tol.
MS35495-108	.62	+.00/-.03
MS35495-109	.75	+.00/-.05
MS35495-110	.88	+.00/-.05
MS35495-111	1.00	+.00/-.05
MS35495-112	1.25	+.00/-.05
MS35495-113	1.50	+.00/-.05
MS35495-114	1.75	+.00/-.06
MS35495-115	2.00	+.00/-.06
MS35495-116	2.25	+.00/-.06
MS35495-117	2.50	+.00/-.06
MS35495-118	2.75	+.00/-.06
MS35495-119	3.00	+.00/-.09
MS35495-120	3.50	+.00/-.09
MS35495-121	4.00	+.00/-.09
MS35495-281	.75	+.00/-.05
MS35495-282	.88	+.00/-.05
MS35495-283	1.00	+.00/-.05
MS35495-284	1.25	+.00/-.05
MS35495-285	1.50	+.00/-.05
MS35495-286	1.75	+.00/-.06
MS35495-287	2.00	+.00/-.06
MS35495-288	2.25	+.00/-.06
MS35495-289	2.50	+.00/-.06
MS35495-291	3.00	+.00/-.09
MS35495-292	3.50	+.00/-.09

No. 14 22 part numbers

Part no.	Length, in	Tol.
MS35495-124	.75	+.00/-.05
MS35495-125	.88	+.00/-.05
MS35495-126	1.00	+.00/-.05
MS35495-127	1.25	+.00/-.05
MS35495-128	1.50	+.00/-.05
MS35495-129	1.75	+.00/-.06
MS35495-130	2.00	+.00/-.06
MS35495-131	2.25	+.00/-.06
MS35495-132	2.50	+.00/-.06
MS35495-133	2.75	+.00/-.06
MS35495-134	3.00	+.00/-.09
MS35495-135	3.50	+.00/-.09
MS35495-136	4.00	+.00/-.09
MS35495-137	4.50	+.00/-.09
MS35495-138	5.00	+.00/-.09
MS35495-295	1.00	+.00/-.05
MS35495-296	1.25	+.00/-.05
MS35495-297	1.50	+.00/-.05
MS35495-298	1.75	+.00/-.06
MS35495-299	2.00	+.00/-.06
MS35495-301	2.50	+.00/-.06
MS35495-303	3.00	+.00/-.09

No. 16 16 part numbers

Part no.	Length, in	Tol.
MS35495-141	1.00	+.00/-.05
MS35495-142	1.25	+.00/-.05
MS35495-143	1.50	+.00/-.05
MS35495-144	1.75	+.00/-.06
MS35495-145	2.00	+.00/-.06
MS35495-146	2.25	+.00/-.06
MS35495-147	2.50	+.00/-.06
MS35495-148	2.75	+.00/-.06
MS35495-149	3.00	+.00/-.09
MS35495-150	3.50	+.00/-.09
MS35495-151	4.00	+.00/-.09
MS35495-152	4.50	+.00/-.09
MS35495-153	5.00	+.00/-.09
MS35495-308	2.00	+.00/-.06
MS35495-310	2.50	+.00/-.06
MS35495-312	3.00	+.00/-.09

No. 18 10 part numbers

Part no.	Length, in	Tol.
MS35495-157	1.25	+.00/-.05
MS35495-158	1.50	+.00/-.05
MS35495-159	1.75	+.00/-.06
MS35495-160	2.00	+.00/-.06
MS35495-161	2.25	+.00/-.06
MS35495-162	2.50	+.00/-.06
MS35495-163	2.75	+.00/-.06
MS35495-164	3.00	+.00/-.09
MS35495-165	3.50	+.00/-.09
MS35495-166	4.00	+.00/-.09

How to read the part number

Part	Meaning
Format	MS35495-<dash number>
Example	MS35495-1
Length tolerance, .25 to .62	+.00/-.03
Length tolerance, .75 to 1.50	+.00/-.05
Length tolerance, 1.75 to 2.75	+.00/-.06
Length tolerance, 3.00 to 5.00	+.00/-.09
Dash	Dash number from Table II (steel, cadmium or zinc plated) or Table III (brass, plain) selects size, length and material

Notes

- Threaded length approximately 2/3 L.
- Slotted head: J slot width and T slot depth by size.
- Dash numbers of sizes 3, 5, 7 and 9 are inactive for new design after 15 August 1974 (crossed out in Tables II and III).
- Supersedes AN545 in part. Steel cadmium plated screws of revision A and brass black oxide coated screws of revision B were cancelled in 1967 and 1968; Table IV of the standard gives their replacements.
- Part number: the MS number plus the dash number, for example MS35495-1.

SOURCES · MS35495 Rev. D, 15 Aug 1974 — Screw, Wood, Round Head, Slotted, Steel and Brass

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/screws/ms35495/

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