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

MS35492 screw — flat, 80°-82°, cross-recessed

MS35492: wood screw, flat head, steel (cadmium or zinc plated) or brass, sizes 2 to 16.

Specification

Item	Value
Head	flat, 80°-82°, cross-recessed
Drive	cross-recess (MS9006)
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. E (15 Aug 1974). Notice 1 (31 Jan 1995): cancelled; future acquisitions to refer to (CID) A-A-55605. 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
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
A head dia	.156 - .172; abs min with flat .147	.181 - .199; abs min with flat .171	.207 - .225; abs min with flat .195	.232 - .252; abs min with flat .220	.257 - .279; abs min with flat .244	.283 - .305; abs min with flat .268	.308 - .332; abs min with flat .292	.334 - .358; abs min with flat .316	.359 - .385; abs min with flat .340	.410 - .438; abs min with flat .389	.461 - .491; abs min with flat .437	.512 - .544; abs min with flat .485
H head height ref	.051	.059	.067	.075	.083	.091	.100	.108	.116	.132	.148	.164
driver size	1	1	1	2	2	2	2	2	3	3	3	3
threads per inch	26	24	22	20	18	16	15	14	13	11	10	9

Inches, as tabulated in MS35492 Rev. E 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.
MS35492-901	.25	+.00/-.03
MS35492-902	.38	+.00/-.03
MS35492-903	.50	+.00/-.03
MS35492-904	.62	+.00/-.03
MS35492-905	.75	+.00/-.05
MS35492-920	.25	+.00/-.03
MS35492-921	.38	+.00/-.03
MS35492-922	.50	+.00/-.03
MS35492-923	.62	+.00/-.03
MS35492-924	.75	+.00/-.05

No. 3 12 part numbers

Part no.	Length, in	Tol.
MS35492-1	.25	+.00/-.03
MS35492-2	.38	+.00/-.03
MS35492-3	.50	+.00/-.03
MS35492-4	.62	+.00/-.03
MS35492-5	.75	+.00/-.05
MS35492-6	.88	+.00/-.05
MS35492-7	1.00	+.00/-.05
MS35492-201	.25	+.00/-.03
MS35492-202	.38	+.00/-.03
MS35492-203	.50	+.00/-.03
MS35492-204	.62	+.00/-.03
MS35492-205	.75	+.00/-.05

No. 4 16 part numbers

Part no.	Length, in	Tol.
MS35492-8	.25	+.00/-.03
MS35492-9	.38	+.00/-.03
MS35492-10	.50	+.00/-.03
MS35492-11	.62	+.00/-.03
MS35492-12	.75	+.00/-.05
MS35492-13	.88	+.00/-.05
MS35492-14	1.00	+.00/-.05
MS35492-15	1.25	+.00/-.05
MS35492-16	1.50	+.00/-.05
MS35492-208	.25	+.00/-.03
MS35492-209	.38	+.00/-.03
MS35492-210	.50	+.00/-.03
MS35492-211	.62	+.00/-.03
MS35492-212	.75	+.00/-.05
MS35492-213	.88	+.00/-.05
MS35492-214	1.00	+.00/-.05

No. 5 12 part numbers

Part no.	Length, in	Tol.
MS35492-18	.38	+.00/-.03
MS35492-19	.50	+.00/-.03
MS35492-20	.62	+.00/-.03
MS35492-21	.75	+.00/-.05
MS35492-22	.88	+.00/-.05
MS35492-23	1.00	+.00/-.05
MS35492-218	.38	+.00/-.03
MS35492-219	.50	+.00/-.03
MS35492-220	.62	+.00/-.03
MS35492-221	.75	+.00/-.05
MS35492-222	.88	+.00/-.05
MS35492-223	1.00	+.00/-.05

No. 6 20 part numbers

Part no.	Length, in	Tol.
MS35492-27	.38	+.00/-.03
MS35492-28	.50	+.00/-.03
MS35492-29	.62	+.00/-.03
MS35492-30	.75	+.00/-.05
MS35492-31	.88	+.00/-.05
MS35492-32	1.00	+.00/-.05
MS35492-33	1.25	+.00/-.05
MS35492-34	1.50	+.00/-.05
MS35492-35	1.75	+.00/-.06
MS35492-36	2.00	+.00/-.06
MS35492-37	2.25	+.00/-.06
MS35492-38	2.50	+.00/-.06
MS35492-227	.38	+.00/-.03
MS35492-228	.50	+.00/-.03
MS35492-229	.62	+.00/-.03
MS35492-230	.75	+.00/-.05
MS35492-231	.88	+.00/-.05
MS35492-232	1.00	+.00/-.05
MS35492-233	1.25	+.00/-.05
MS35492-234	1.50	+.00/-.05

No. 7 14 part numbers

Part no.	Length, in	Tol.
MS35492-39	.50	+.00/-.03
MS35492-40	.62	+.00/-.03
MS35492-41	.75	+.00/-.05
MS35492-42	.88	+.00/-.05
MS35492-43	1.00	+.00/-.05
MS35492-44	1.25	+.00/-.05
MS35492-45	1.50	+.00/-.05
MS35492-239	.50	+.00/-.03
MS35492-240	.62	+.00/-.03
MS35492-241	.75	+.00/-.05
MS35492-242	.88	+.00/-.05
MS35492-243	1.00	+.00/-.05
MS35492-244	1.25	+.00/-.05
MS35492-245	1.50	+.00/-.05

No. 8 23 part numbers

Part no.	Length, in	Tol.
MS35492-49	.38	+.00/-.03
MS35492-50	.50	+.00/-.03
MS35492-51	.62	+.00/-.03
MS35492-52	.75	+.00/-.05
MS35492-53	.88	+.00/-.05
MS35492-54	1.00	+.00/-.05
MS35492-55	1.25	+.00/-.05
MS35492-56	1.50	+.00/-.05
MS35492-57	1.75	+.00/-.06
MS35492-58	2.00	+.00/-.06
MS35492-59	2.25	+.00/-.06
MS35492-60	2.50	+.00/-.06
MS35492-61	2.75	+.00/-.06
MS35492-910	3.00	+.00/-.09
MS35492-249	.50	+.00/-.03
MS35492-250	.62	+.00/-.03
MS35492-251	.75	+.00/-.05
MS35492-252	.88	+.00/-.05
MS35492-253	1.00	+.00/-.05
MS35492-254	1.25	+.00/-.05
MS35492-255	1.50	+.00/-.05
MS35492-256	1.75	+.00/-.06
MS35492-257	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 16 part numbers

Part no.	Length, in	Tol.
MS35492-64	.75	+.00/-.05
MS35492-65	.88	+.00/-.05
MS35492-66	1.00	+.00/-.05
MS35492-67	1.25	+.00/-.05
MS35492-68	1.50	+.00/-.05
MS35492-69	1.75	+.00/-.06
MS35492-70	2.00	+.00/-.06
MS35492-71	2.25	+.00/-.06
MS35492-72	2.50	+.00/-.06
MS35492-261	.75	+.00/-.05
MS35492-262	.88	+.00/-.05
MS35492-263	1.00	+.00/-.05
MS35492-264	1.25	+.00/-.05
MS35492-265	1.50	+.00/-.05
MS35492-266	1.75	+.00/-.06
MS35492-267	2.00	+.00/-.06

No. 10 24 part numbers

Part no.	Length, in	Tol.
MS35492-74	.50	+.00/-.03
MS35492-75	.62	+.00/-.03
MS35492-76	.75	+.00/-.05
MS35492-77	.88	+.00/-.05
MS35492-78	1.00	+.00/-.05
MS35492-79	1.25	+.00/-.05
MS35492-80	1.50	+.00/-.05
MS35492-81	1.75	+.00/-.06
MS35492-82	2.00	+.00/-.06
MS35492-83	2.25	+.00/-.06
MS35492-84	2.50	+.00/-.06
MS35492-85	2.75	+.00/-.06
MS35492-86	3.00	+.00/-.09
MS35492-87	3.50	+.00/-.09
MS35492-271	.62	+.00/-.03
MS35492-272	.75	+.00/-.05
MS35492-273	.88	+.00/-.05
MS35492-274	1.00	+.00/-.05
MS35492-275	1.25	+.00/-.05
MS35492-276	1.50	+.00/-.05
MS35492-277	1.75	+.00/-.06
MS35492-278	2.00	+.00/-.06
MS35492-279	2.25	+.00/-.06
MS35492-280	2.50	+.00/-.06

No. 12 25 part numbers

Part no.	Length, in	Tol.
MS35492-89	.62	+.00/-.03
MS35492-90	.75	+.00/-.05
MS35492-91	.88	+.00/-.05
MS35492-92	1.00	+.00/-.05
MS35492-93	1.25	+.00/-.05
MS35492-94	1.50	+.00/-.05
MS35492-95	1.75	+.00/-.06
MS35492-96	2.00	+.00/-.06
MS35492-97	2.25	+.00/-.06
MS35492-98	2.50	+.00/-.06
MS35492-99	2.75	+.00/-.06
MS35492-100	3.00	+.00/-.09
MS35492-101	3.50	+.00/-.09
MS35492-102	4.00	+.00/-.09
MS35492-283	.75	+.00/-.05
MS35492-284	.88	+.00/-.05
MS35492-285	1.00	+.00/-.05
MS35492-286	1.25	+.00/-.05
MS35492-287	1.50	+.00/-.05
MS35492-288	1.75	+.00/-.06
MS35492-289	2.00	+.00/-.06
MS35492-290	2.25	+.00/-.06
MS35492-291	2.50	+.00/-.06
MS35492-293	3.00	+.00/-.09
MS35492-294	3.50	+.00/-.09

No. 14 22 part numbers

Part no.	Length, in	Tol.
MS35492-103	.75	+.00/-.05
MS35492-104	.88	+.00/-.05
MS35492-105	1.00	+.00/-.05
MS35492-106	1.25	+.00/-.05
MS35492-107	1.50	+.00/-.05
MS35492-108	1.75	+.00/-.06
MS35492-109	2.00	+.00/-.06
MS35492-110	2.25	+.00/-.06
MS35492-111	2.50	+.00/-.06
MS35492-112	2.75	+.00/-.06
MS35492-113	3.00	+.00/-.09
MS35492-114	3.50	+.00/-.09
MS35492-115	4.00	+.00/-.09
MS35492-116	4.50	+.00/-.09
MS35492-911	5.00	+.00/-.09
MS35492-295	1.00	+.00/-.05
MS35492-296	1.25	+.00/-.05
MS35492-297	1.50	+.00/-.05
MS35492-298	1.75	+.00/-.06
MS35492-299	2.00	+.00/-.06
MS35492-301	2.50	+.00/-.06
MS35492-303	3.00	+.00/-.09

No. 16 13 part numbers

Part no.	Length, in	Tol.
MS35492-117	1.00	+.00/-.05
MS35492-118	1.25	+.00/-.05
MS35492-119	1.50	+.00/-.05
MS35492-120	1.75	+.00/-.06
MS35492-121	2.00	+.00/-.06
MS35492-122	2.25	+.00/-.06
MS35492-123	2.50	+.00/-.06
MS35492-124	2.75	+.00/-.06
MS35492-125	3.00	+.00/-.09
MS35492-126	3.50	+.00/-.09
MS35492-127	4.00	+.00/-.09
MS35492-128	4.50	+.00/-.09
MS35492-129	5.00	+.00/-.09

How to read the part number

Part	Meaning
Format	MS35492-<dash number>
Example	MS35492-8
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. Head angle 80° - 82°; the head edge may be rounded (A abs min with flat).
- Recess in accordance with MS9006.
- 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 AN550 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 MS35492-8.

SOURCES · MS35492 Rev. E, 15 Aug 1974 — Screw, Wood, Flat Head, Cross-Recessed, Steel and Brass

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/screws/ms35492/

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

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