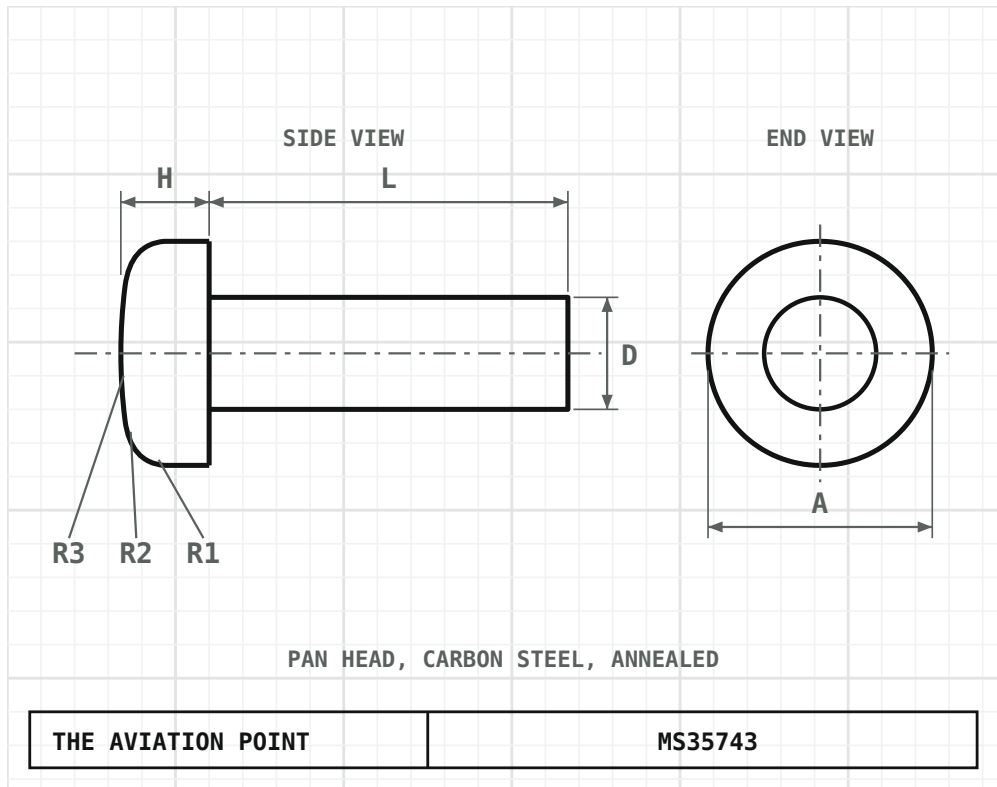
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MS35743 rivet — pan head, carbon steel, annealed

MS35743: small solid rivet with a pan head, carbon steel, annealed and uncoated.



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Solid rivet, pan head
Material	Carbon steel, Fed. Std. No. 66, compositions 1005 thru 1022, any condition
Finish	Uncoated
Procurement	FF-R-556
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	1/8	3/16	1/4	5/16	3/8	7/16
D max — D, body dia, max	.127	.191	.253	.317	.380	.443
D min — D, body dia, min	.121	.182	.244	.305	.365	.428
A max — A, head dia, max	.225	.334	.444	.552	.663	.772
A min — A, head dia, min	.205	.308	.414	.518	.625	.728
H max — H, head height, max	.078	.114	.151	.187	.225	.261
H min — H, head height, min	.066	.100	.135	.169	.205	.239
R1 — R1, head radius	.039	.059	.079	.098	.118	.137
R2 — R2, head radius	.106	.159	.213	.266	.319	.372
R3 — R3, head radius	.429	.641	.858	1.070	1.286	1.500

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

Part numbers

1/8 12 part numbers

Part no.	Length L, in
MS35743-1	1/4
MS35743-2	5/16
MS35743-3	3/8
MS35743-4	7/16
MS35743-5	1/2
MS35743-6	9/16
MS35743-7	5/8
MS35743-8	3/4
MS35743-9	7/8
MS35743-10	1
MS35743-11	1-1/8
MS35743-12	1-1/4

3/16 21 part numbers

Part no.	Length L, in
MS35743-13	1/4
MS35743-14	5/16
MS35743-15	3/8
MS35743-16	7/16
MS35743-17	1/2
MS35743-18	9/16
MS35743-19	5/8
MS35743-20	3/4
MS35743-21	7/8
MS35743-22	1
MS35743-23	1-1/8
MS35743-24	1-1/4
MS35743-25	1-3/8
MS35743-26	1-1/2
MS35743-27	1-5/8
MS35743-28	1-3/4
MS35743-29	2
MS35743-30	2-1/4
MS35743-31	2-1/2
MS35743-32	2-3/4
MS35743-33	3

1/4 21 part numbers

Part no.	Length L, in
MS35743-34	3/8
MS35743-35	7/16
MS35743-36	1/2
MS35743-37	9/16
MS35743-38	5/8
MS35743-39	3/4
MS35743-40	7/8
MS35743-41	1
MS35743-42	1-1/8
MS35743-43	1-1/4
MS35743-44	1-3/8
MS35743-45	1-1/2
MS35743-46	1-5/8
MS35743-47	1-3/4
MS35743-48	2
MS35743-49	2-1/4
MS35743-50	2-1/2
MS35743-51	2-3/4
MS35743-52	3
MS35743-53	3-1/2
MS35743-54	4

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

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5/16 17 part numbers

Part no.	Length L, in
MS35743-55	5/8
MS35743-56	3/4
MS35743-57	7/8
MS35743-58	1
MS35743-59	1-1/8
MS35743-60	1-1/4
MS35743-61	1-3/8
MS35743-62	1-1/2
MS35743-63	1-5/8
MS35743-64	1-3/4
MS35743-65	2
MS35743-66	2-1/4
MS35743-67	2-1/2
MS35743-68	2-3/4
MS35743-69	3
MS35743-70	3-1/2
MS35743-71	4

3/8 17 part numbers

Part no.	Length L, in
MS35743-72	5/8
MS35743-73	3/4
MS35743-74	7/8
MS35743-75	1
MS35743-76	1-1/8
MS35743-77	1-1/4
MS35743-78	1-3/8
MS35743-79	1-1/2
MS35743-80	1-5/8
MS35743-81	1-3/4
MS35743-82	2
MS35743-83	2-1/4
MS35743-84	2-1/2
MS35743-85	2-3/4
MS35743-86	3
MS35743-87	3-1/2
MS35743-88	4

7/16 17 part numbers

Part no.	Length L, in
MS35743-89	5/8
MS35743-90	3/4
MS35743-91	7/8
MS35743-92	1
MS35743-93	1-1/8
MS35743-94	1-1/4
MS35743-95	1-3/8
MS35743-96	1-1/2
MS35743-97	1-5/8
MS35743-98	1-3/4
MS35743-99	2
MS35743-100	2-1/4
MS35743-101	2-1/2
MS35743-102	2-3/4
MS35743-103	3
MS35743-104	3-1/2
MS35743-105	4

How to read the part number

Part	Meaning
Format	MS35743-<dash>
Example	MS35743-1 — 1/8 in body diameter, 1/4 in long

Notes

- Part number: the MS number plus the dash number, for example MS35743-1. Each dash number is one diameter and one length.
- Length tolerance ±.016 in. Radius under the head 1/32 in max.
- Hardness: Rockwell B60 max, measured on the side of the shank.
- Approved data governs. Use the rivet the SRM, drawing or IPC calls for.

SOURCES · MS35743 Rev. A, 12 Dec 1968 — Rivet, Solid-Small, Pan Head, Steel, Annealed

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/solid-rivets/ms35743/

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