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MS24692 — taper pin, plain, sizes 7/0 to 10

MS24692: plain taper pin, sizes 7/0 to 10, in carbon steel, alloy steel or corrosion-resistant steel.

Specification

Item	Value
Type	Taper pin, plain
Material	A: carbon steel, ASTM A108, 55000 psi minimum ultimate tensile strength; B: alloy steel, ASTM A331, 125000 to 145000 psi ultimate tensile strength; C: corrosion-resistant steel, ASTM A582, 70000 psi minimum tensile strength
Finish	Carbon and alloy steel pins: when specified, cadmium plate, QQ-P-416, Type II, Class 2, or MIL-C-81562, Type II, Class 2. Corrosion-resistant steel pins: cleaned, descaled and passivated, ASTM A380
Status	Check the current issue before design use. Rev. D (28 Sep 1987). Notice 1 (29 Feb 1996): validation. Cancelled by Notice 2 (30 Nov 1998) and superseded by NASM24692; the part numbers are identical.

Dimensions by size

Dimension, in	7/0	6/0	5/0	4/0	3/0	2/0	0	1	2	3	4	5	6	7	8	9	10
D — D, large end dia, nominal	.0625	.0780	.0940	.1090	.1250	.1410	.1560	.1720	.1930	.2190	.2500	.2890	.3410	.4090	.4920	.5910	.7060
D max — D, large end dia, max	.0638	.0793	.0953	.1103	.1263	.1423	.1573	.1733	.1943	.2203	.2513	.2903	.3423	.4103	.4933	.5923	.7073
D min — D, large end dia, min	.0618	.0773	.0933	.1083	.1243	.1403	.1553	.1713	.1923	.2183	.2493	.2883	.3403	.4083	.4913	.5903	.7053
R — R, radius	.062	.078	.094	.109	.125	.141	.156	.172	.193	.219	.250	.289	.341	.409	.492	.591	.706
E — E, drilled hole dia (drilled pins)	.024 ± .005	.024 ± .005	.024 ± .005	.024 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	.046 ± .005	—	—	—	—

Inches, as tabulated in MS24692 Rev. D Table I; letters as on the standard's drawing.

Part numbers

7/0 24 part numbers

Part no.	Length L, in	Material
MS24692-1	.375	Carbon steel
MS24692-2A	.375	Alloy steel, 125000 to 145000 psi
MS24692-3	.375	Corrosion-resistant steel
MS24692-4	.500	Carbon steel
MS24692-5A	.500	Alloy steel, 125000 to 145000 psi
MS24692-6	.500	Corrosion-resistant steel

6/0 24 part numbers

Part no.	Length L, in	Material
MS24692-25	.375	Carbon steel
MS24692-26A	.375	Alloy steel, 125000 to 145000 psi
MS24692-27	.375	Corrosion-resistant steel
MS24692-28	.500	Carbon steel
MS24692-29A	.500	Alloy steel, 125000 to 145000 psi
MS24692-30	.500	Corrosion-resistant steel

5/0 24 part numbers

Part no.	Length L, in	Material
MS24692-49	.375	Carbon steel
MS24692-50A	.375	Alloy steel, 125000 to 145000 psi
MS24692-51	.375	Corrosion-resistant steel
MS24692-52	.500	Carbon steel
MS24692-53A	.500	Alloy steel, 125000 to 145000 psi
MS24692-54	.500	Corrosion-resistant steel

4/0 24 part numbers

Part no.	Length L, in	Material
MS24692-73	.375	Carbon steel
MS24692-74A	.375	Alloy steel, 125000 to 145000 psi
MS24692-75	.375	Corrosion-resistant steel
MS24692-76	.500	Carbon steel
MS24692-77A	.500	Alloy steel, 125000 to 145000 psi
MS24692-78	.500	Corrosion-resistant steel

3/0 24 part numbers

Part no.	Length L, in	Material
MS24692-97	.500	Carbon steel
MS24692-98A	.500	Alloy steel, 125000 to 145000 psi
MS24692-99	.500	Corrosion-resistant steel
MS24692-100	.625	Carbon steel
MS24692-101A	.625	Alloy steel, 125000 to 145000 psi
MS24692-102	.625	Corrosion-resistant steel

2/0 24 part numbers

Part no.	Length L, in	Material
MS24692-121	.500	Carbon steel
MS24692-122A	.500	Alloy steel, 125000 to 145000 psi
MS24692-123	.500	Corrosion-resistant steel
MS24692-124	.625	Carbon steel
MS24692-125A	.625	Alloy steel, 125000 to 145000 psi
MS24692-126	.625	Corrosion-resistant steel

0 27 part numbers

Part no.	Length L, in	Material
MS24692-145	.500	Carbon steel
MS24692-146A	.500	Alloy steel, 125000 to 145000 psi
MS24692-147	.500	Corrosion-resistant steel
MS24692-148	.625	Carbon steel
MS24692-149A	.625	Alloy steel, 125000 to 145000 psi
MS24692-150	.625	Corrosion-resistant steel

1 36 part numbers

Part no.	Length L, in	Material
MS24692-172	.625	Carbon steel
MS24692-173A	.625	Alloy steel, 125000 to 145000 psi
MS24692-174	.625	Corrosion-resistant steel
MS24692-175	.750	Carbon steel
MS24692-176A	.750	Alloy steel, 125000 to 145000 psi
MS24692-177	.750	Corrosion-resistant steel

2 33 part numbers

Part no.	Length L, in	Material
MS24692-208	.750	Carbon steel
MS24692-209A	.750	Alloy steel, 125000 to 145000 psi
MS24692-210	.750	Corrosion-resistant steel
MS24692-211	.875	Carbon steel
MS24692-212A	.875	Alloy steel, 125000 to 145000 psi
MS24692-213	.875	Corrosion-resistant steel

3 33 part numbers

Part no.	Length L, in	Material
MS24692-241	.750	Carbon steel
MS24692-242A	.750	Alloy steel, 125000 to 145000 psi
MS24692-243	.750	Corrosion-resistant steel
MS24692-244	.875	Carbon steel
MS24692-245A	.875	Alloy steel, 125000 to 145000 psi
MS24692-246	.875	Corrosion-resistant steel

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

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4 27 part numbers

Part no.	Length L, in	Material
MS24692-274	1.000	Carbon steel
MS24692-275A	1.000	Alloy steel, 125000 to 145000 psi
MS24692-276	1.000	Corrosion-resistant steel
MS24692-277	1.250	Carbon steel
MS24692-278A	1.250	Alloy steel, 125000 to 145000 psi
MS24692-279	1.250	Corrosion-resistant steel

5 27 part numbers

Part no.	Length L, in	Material
MS24692-301	1.000	Carbon steel
MS24692-302A	1.000	Alloy steel, 125000 to 145000 psi
MS24692-303	1.000	Corrosion-resistant steel
MS24692-304	1.250	Carbon steel
MS24692-305A	1.250	Alloy steel, 125000 to 145000 psi
MS24692-306	1.250	Corrosion-resistant steel

6 36 part numbers

Part no.	Length L, in	Material
MS24692-328	1.250	Carbon steel
MS24692-329A	1.250	Alloy steel, 125000 to 145000 psi
MS24692-330	1.250	Corrosion-resistant steel
MS24692-331	1.500	Carbon steel
MS24692-332A	1.500	Alloy steel, 125000 to 145000 psi
MS24692-333	1.500	Corrosion-resistant steel

7 27 part numbers

Part no.	Length L, in	Material
MS24692-364	2.000	Carbon steel
MS24692-365A	2.000	Alloy steel, 125000 to 145000 psi
MS24692-366	2.000	Corrosion-resistant steel
MS24692-367	2.250	Carbon steel
MS24692-368A	2.250	Alloy steel, 125000 to 145000 psi
MS24692-369	2.250	Corrosion-resistant steel

8 39 part numbers

Part no.	Length L, in	Material
MS24692-391	2.000	Carbon steel
MS24692-392A	2.000	Alloy steel, 125000 to 145000 psi
MS24692-393	2.000	Corrosion-resistant steel
MS24692-394	2.250	Carbon steel
MS24692-395A	2.250	Alloy steel, 125000 to 145000 psi
MS24692-396	2.250	Corrosion-resistant steel

9 39 part numbers

Part no.	Length L, in	Material
MS24692-430	2.750	Carbon steel
MS24692-431A	2.750	Alloy steel, 125000 to 145000 psi
MS24692-432	2.750	Corrosion-resistant steel
MS24692-433	3.000	Carbon steel
MS24692-434A	3.000	Alloy steel, 125000 to 145000 psi
MS24692-435	3.000	Corrosion-resistant steel

10 33 part numbers

Part no.	Length L, in	Material
MS24692-469	3.500	Carbon steel
MS24692-470A	3.500	Alloy steel, 125000 to 145000 psi
MS24692-471	3.500	Corrosion-resistant steel
MS24692-472	3.750	Carbon steel
MS24692-473A	3.750	Alloy steel, 125000 to 145000 psi
MS24692-474	3.750	Corrosion-resistant steel

Showing 102 of 501 rows. Complete table: theaviationpoint.com/parts/pins/ms24692/

How to read the part number

Part	Meaning
Format	MS24692-<dash>
Example	MS24692-1 — Pin, tapered, plain; size 7/0; diameter .0625; length .375; carbon steel

Notes

- **Cancelled: use NASM24692.** MS24692 is cancelled (Cancelled by Notice 2 (30 Nov 1998) and superseded by NASM24692; the part numbers are identical.). Replacement named by the standard: NASM24692. The old number MS24692-1 still turns up on drawings and IPCs: check the replacement for each part before you order.
- Taper .250 ± .006 per foot (.0208 ± .0005 per inch). Small end diameter: multiply the length by .02083 and subtract the product from the large end nominal diameter.
- Each length has three dash numbers: carbon steel, alloy steel (with the letter A: ultimate tensile strength 125000 to 145000 psi) and corrosion-resistant steel. Alloy steel dash numbers without the letter A are the MS24692B pins, minimum ultimate tensile strength 106000 psi, not for new design.
- Add D after the dash number for a drilled pin, P for a cadmium plated pin and DP for both: MS24692-1D, MS24692-1P, MS24692-1DP, MS24692-2ADP.
- Drilled holes: E diameter .024 ± .005 for sizes 7/0 through 4/0 and .046 ± .005 for sizes 3/0 through 6. Sizes 7 through 10 and corrosion-resistant steel pins are not drilled.
- Dimensions in inches; tolerances ±.010 unless otherwise specified. Supersedes AN385, BFCX1, BFCX2, BFCX2.1 and, in part, BFCX2.2.

SOURCES · MS24692 Rev. D, 28 Sep 1987 — Pin, Tapered, Plain

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/pins/ms24692/

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