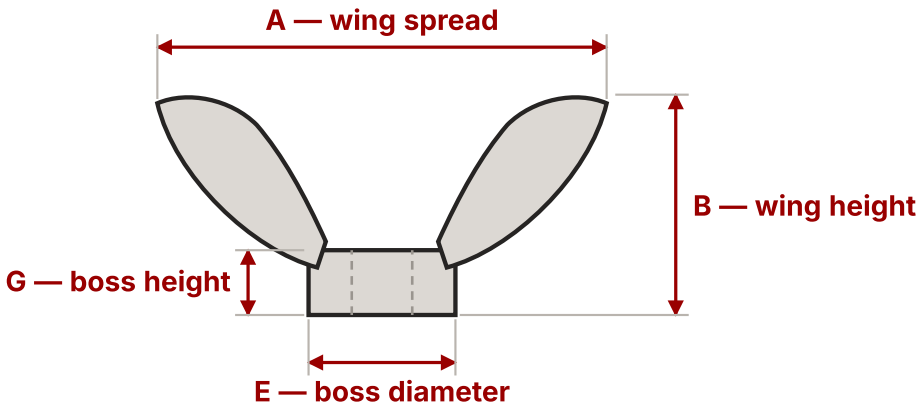
Wing Nut Dimensions

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Wing spread, wing height and boss size for cold-forged (Type A) and stamped (Type D) wing nuts, #4 to 3/4″. ASME B18.6.9.

A wing nut is a nut with two wings, turned by hand — no wrench or driver. ASME B18.6.9 sorts wing nuts by how they are made; this chart gives the two our sources both list: **cold forged** (Type A, solid wings) and **stamped** sheet metal (Type D). One thread size is made with more than one wing size, so match the **wing spread** of the nut in hand to a row.



Letters match the table columns: **A** wing spread, **B** wing height, **C** wing thickness, **D** between wings, **E** boss diameter, **G** boss height. Not to scale.

Wing nuts, cold forged (Type A) — ASME B18.6.9 (inches)

SIZE	SERIES	THREADS PER INCH	WING SPREAD A	WING HEIGHT B	WING THICK. C	BETWEEN WINGS D	BOSS DIA. E	BOSS HEIGHT G
#4	Heavy	—	.72 / .59	.41 / .28	.11 / .07	.21 / .17	.33 / .29	.14 / .10
#6	Light	32, 40	.72 / .59	.41 / .28	.11 / .07	.21 / .17	.33 / .29	.14 / .10
#8	Light	32, 36	.91 / .78	.47 / .34	.14 / .10	.27 / .22	.43 / .39	.18 / .14
#10	Light	24, 32	.91 / .78	.47 / .34	.14 / .10	.27 / .22	.43 / .39	.18 / .14
#12	Light	24, 28	1.10 / .97	.57 / .43	.18 / .14	.33 / .26	.50 / .45	.22 / .17
1/4″	Light	20, 28	1.10 / .97	.57 / .43	.18 / .14	— / .26	.50 / .45	.22 / .17
5/16″	Light	18, 24	1.25 / 1.12	.66 / .53	.21 / .17	.39 / .32	.58 / .51	.25 / .20
3/8″	Light	16, 24	1.44 / 1.31	.79 / .65	.24 / .20	.48 / .42	.70 / .64	.30 / .26
7/16″	Light	14, 20	1.94 / 1.81	1.00 / .87	.33 / .26	.65 / .54	.93 / .86	.39 / .35
1/2″	Light	13, 20	1.94 / 1.81	1.00 / .87	.33 / .26	.65 / .54	.93 / .86	.39 / .35
5/8″	Heavy	11, 18	2.76 / 2.62	1.44 / 1.31	.40 / .34	.90 / .80	1.19 / 1.13	.55 / .51
3/4″	Heavy	10, 16	2.76 / 2.62	1.44 / 1.31	.40 / .34	.90 / .80	1.19 / 1.13	.55 / .51

Max / min in inches. A dash: our sources differ, or only one lists it — give us a call. Series as ASME names the row; some sizes also come in a larger series that only one of our sources lists.

Wing nuts, stamped (Type D) — ASME B18.6.9 (inches)

SIZE	THREADS PER INCH	WING SPREAD A	WING HEIGHT B	WING THICK. C	BETWEEN WINGS D MIN	BOSS DIA. E	BOSS HEIGHT G MIN	WALL HEIGHT H MIN	STOCK THICK. T
#8	32, 36	.78 / .72	.40 / .34	.18 / .14	.25	.41 / .35	.08	.12	.04 / .03

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SIZE	THREADS PER INCH	WING SPREAD A	WING HEIGHT B	WING THICK. C	BETWEEN WINGS D MIN	BOSS DIA. E	BOSS HEIGHT G MIN	WALL HEIGHT H MIN	STOCK THICK. T
#10	24, 32	**.91 / .85**	.47 / .41	.21 / .17	.34	.53 / .47	.10	.12	.04 / .03
#12	24, 28	**1.09 / 1.03**	.47 / .41	.21 / .17	.34	.53 / .47	.10	.12	.05 / .04
1/4″	20, 28	**1.11 / 1.05**	.50 / .44	.25 / .21	.34	.62 / .56	.11	.12	.05 / .04
5/16″	18, 24	**1.30 / 1.24**	.59 / .53	.30 / .26	.46	.73 / .67	.14	.18	.06 / .05
3/8″	16, 24	**1.41 / 1.34**	.67 / .61	.34 / .30	.69	.83 / .77	.16	.18	.06 / .05

Max / min in inches. A dash: our sources differ, or only one lists it — give us a call. Stamped wing nuts in other sizes, and hot-forged or die-cast wing nuts, are not on this chart — give us a call.

Good to know

Hand tight only. A wing nut is made to be turned by hand — use it where the nut comes off and goes back on, not where it needs a wrench.

Same thread, different wings. A 1/4″-20 wing nut can be cold forged or stamped, and the two have different wing spreads — measure the nut you have against the table. Hex nuts are on the hex nut chart.

Quick answers

What is a wing nut?

A nut with two wings that is turned by hand, with no wrench or driver. Wing nuts are covered by **ASME B18.6.9**.

How big is a 1/4-20 wing nut?

A cold-forged (Type A) 1/4″ wing nut, light series, has a wing spread of **.97″ to 1.10″**; a stamped (Type D) one, 1.05″ to 1.11″.

How wide is a 3/8 wing nut?

A cold-forged (Type A) 3/8″ wing nut, light series, spreads **1.31″ to 1.44″** across the wings.

What is the difference between a forged and a stamped wing nut?

A cold-forged (Type A) wing nut is solid; a stamped (Type D) wing nut is pressed from sheet metal. The two are made in different wing sizes for the same thread.

Do you need a wrench for a wing nut?

No — a wing nut is made to be turned by hand.

Reference values drawn from the governing standards. For critical applications, confirm against the standard and the manufacturer's published data. Technical information disclaimer →