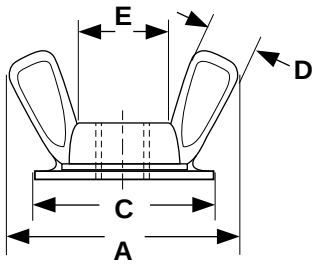
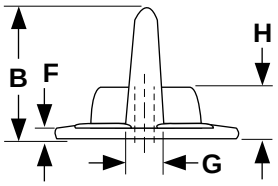
Wing Nuts

Washer Base Zinc Alloy





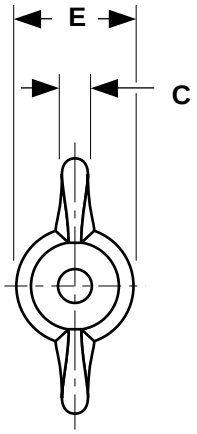
WASHER-BASED WING NUTS

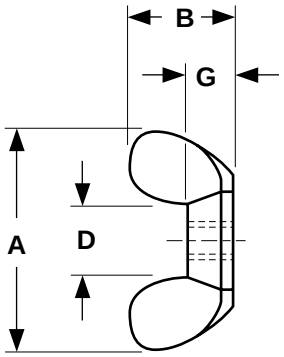
Kanebridge Part Number	Dynacast Part Number	Thread Size	A	B	C	D	E	F	G	H
			Wing Spread	Total Height	Washer Outside Diameter	Individual Wing Width	Between Wings	Washer Thickness	Wing Thickness at Base	Boss & Washer Height
0810NWA	232416	8-32	7/8	7/16	5/8	.207	.250	.032	.125	.182
1010NWA	232417	10-24	7/8	7/16	5/8	.207	.250	.032	.125	.182
1110NWA	232418	10-32	7/8	7/16	5/8	.207	.250	.032	.125	.182
1412NWA	232521	1/4-20	1	1/2	3/4	.234	.312	.035	.140	.205
1414NWA	232621	1/4-20	$1\ ^{1}/_{8}$	37/64	7/8	.260	.375	.040	.150	.225
3114NWA	232623	5/16-18	$1\ ^{1}/_{8}$	37/64	7/8	.260	.375	.040	.150	.225
3714NWA	232625	3/8-16	$1\ ^{1}/_{8}$	37/64	7/8	.260	.375	.040	.150	.225

Description	A zinc alloy nut featuring a wide-diameter, integral washer base with a recessed wing design.
Applications/ Advantages	Suitable for most wing nut applications, specifically in those where a separate flat washer would be used. Integral washer design eliminates need for other washers and speeds assembly time. Used with adjustment slots, oversized or offset holes, and soft surfaces such as wood or plastic. Popular in displays, furniture and storm windows.
Material	Nuts are made from the zinc die cast alloy Zamak #3 which conforms to the following chemical composition requirements-- Aluminum: 3.5-4.3%; Magnesium: 0.02-0.05%; Copper: 0.25%* max.; Iron: 0.10% max.; Lead: 0.005% max.; Cadmium: 0.004% max.; Tin: 0.003% max.; Zinc: balance (*Note: Most commercial applications will accept copper content within the range of 0.25-0.75% without rejecting the product).

NOTE: There is no single standard for washer-based wing nut dimensions. These values are offered as a guide; deviations from these specifications may occur.

Wing Nuts



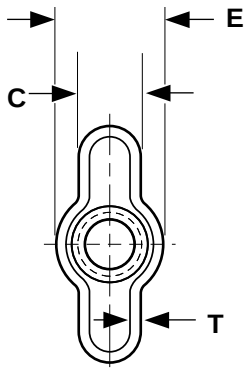


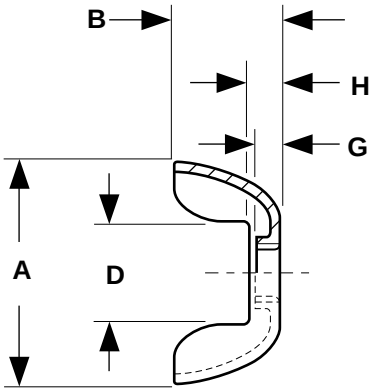
Wing Nuts - Cold Forged

ANSI/ASME B18.17

Nominal Size or Basic Major Diameter of Thread		Threads Per Inch	A		B		C		D		E		G	
			Wing Spread		Wing Height		Wing Thickness		Between Wings		Boss Diameter		Boss Height	
			Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
4	0.1120	40 & 48	0.72	0.59	0.41	0.28	0.11	0.07	0.21	0.17	0.33	0.29	0.14	0.10
6	0.1380	32 & 40	0.72	0.59	0.41	0.28	0.11	0.07	0.21	0.17	0.33	0.29	0.14	0.10
8	0.1640	32 & 36	0.91	0.78	0.47	0.34	0.14	0.10	0.27	0.22	0.43	0.39	0.18	0.14
10	0.1900	24 & 32	0.91	0.78	0.47	0.34	0.14	0.10	0.27	0.22	0.43	0.39	0.18	0.14
12	0.2160	24 & 28	1.10	0.97	0.57	0.43	0.18	0.14	0.33	0.26	0.50	0.45	0.22	0.17
1/4	0.2500	20 & 28	1.10	0.97	0.57	0.43	0.18	0.14	0.33	0.26	0.50	0.45	0.22	0.17
5/16	0.3125	18 & 24	1.25	1.12	0.66	0.53	0.21	0.17	0.39	0.32	0.58	0.51	0.25	0.20
3/8	0.3750	16 & 24	1.44	1.31	0.79	0.65	0.24	0.20	0.48	0.42	0.70	0.64	0.30	0.26
7/16	0.4375	14 & 20	1.94	1.81	1.00	0.87	0.33	0.26	0.65	0.54	0.93	0.86	0.39	0.35
1/2	0.5000	13 & 20	1.94	1.81	1.00	0.87	0.33	0.26	0.65	0.54	0.93	0.86	0.39	0.35
5/8	0.6250	11 & 18	2.76	2.62	1.44	1.31	0.40	0.34	0.90	0.80	1.19	1.13	0.55	0.51
3/4	0.7500	10 & 16	2.76	2.62	1.44	1.31	0.40	0.34	0.90	0.80	1.19	1.13	0.55	0.51

Description	A nut with wings which allow the part to be manually turned.
Applications/ Advantages	Used when a part is frequently assembled and disassembled at a place where torque greater than that achieved with finger pressure is not needed.
Material	**Steel:** Carbon steel adaptable to the cold-forging process. **Stainless:** 18-8 stainless steel.
Plating	See Appendix-A for information about plating steel wing screws.





Wing Nuts - Stamped

ANSI/ASME B18.17*

Nominal Size or Basic Major Diameter of Thread		Threads Per Inch	A		B		C		D	E		G	H	T	
			Wing Spread		Wing Height		Wing Thickness		Between Wings	Boss Diameter		Boss Height	Wall Height	Stock Thickness	
			Max	Min	Max	Min	Max	Min	Min	Max	Min	Min	Min	Max	Min
4	0.1120	40	0.76	0.73	0.39	0.37	0.16	0.13	0.23	0.39	0.36	0.07	0.12	0.04	0.02
6	0.1380	32	0.78	0.72	0.40	0.34	0.18	0.14	0.25	0.41	0.35	0.08	0.12	0.04	0.03
8	0.1640	32 & 36	0.78	0.72	0.40	0.34	0.18	0.14	0.25	0.41	0.35	0.08	0.12	0.04	0.03
10	0.1900	24 & 32	0.91	0.85	0.47	0.41	0.21	0.17	0.34	0.53	0.47	0.10	0.12	0.04	0.03
12	0.2160	24 & 28	1.09	1.03	0.47	0.41	0.21	0.17	0.34	0.53	0.47	0.10	0.12	0.05	0.04
1/4	0.2500	20 & 28	1.11	1.05	0.50	0.44	0.25	0.21	0.34	0.62	0.56	0.11	0.12	0.05	0.04
5/16	0.3125	18 & 24	1.30	1.24	0.59	0.53	0.30	0.26	0.46	0.73	0.67	0.14	0.18	0.06	0.05
3/8	0.3750	16 & 24	1.41	1.34	0.67	0.61	0.34	0.30	0.69	0.83	0.77	0.16	0.18	0.06	0.05
7/16	0.4375	14	1.75	1.72	0.67	0.64	0.30	0.27	0.73	1.00	0.97	0.19	0.20	0.07	0.04
1/2	0.5000	13	1.75	1.72	0.67	0.64	0.30	0.27	0.73	1.00	0.97	0.19	0.20	0.07	0.04

*ANSI/ASME B18.17 does not specify dimensions for #4, 7/16 and 1/2 inch diameter type-D stamped wing nuts.

Description	A nut made from stamped sheet metal with wings of moderate height and a larger bearing surface than other wing nuts.
Applications/ Advantages	More economical than the cold-forged style but not as strong.
Material	Carbon steel
Plating	See Appendix-A for plating information.