



Nominal Diameter	-	-	-	6#	8#	10#	3/16	1/2	1/4	1/4	5/16	5/16	3/8	3/8	7/16
Nominal Size	-	-	-	0.138	0.164	0.190	0.188	0.216	0.250	0.250	0.312	0.312	0.375	0.375	0.438
Series	-	-	-	-	-	-	-	-	N	W	N	W	N	W	N
d	Nominal Size	0.078	0.094	0.125	0.156	0.188	0.219	0.250	0.250	0.281	0.312	0.344	0.375	0.406	0.438
	max	0.078	0.094	0.133	0.164	0.196	0.227	0.265	0.265	0.296	0.327	0.359	0.390	0.421	0.453
	min	0.073	0.089	0.120	0.151	0.183	0.214	0.245	0.245	0.276	0.307	0.339	0.370	0.401	0.433
d _c	Nominal Size	0.188	0.250	0.312	0.375	0.438	0.500	0.562	0.562	0.625	0.734*	0.688	0.875	0.812	1.000
	max	0.188	0.250	0.320	0.390	0.453	0.515	0.577	0.577	0.640	0.749	0.703	0.905	0.827	1.030
	min	0.183	0.245	0.307	0.370	0.433	0.495	0.557	0.557	0.620	0.727	0.681	0.868	0.805	0.993
h	Nominal Size	0.020	0.020	0.032	0.049	0.049	0.049	0.049	0.065	0.065	0.065	0.065	0.083	0.065	0.083
	max	0.025	0.025	0.040	0.065	0.065	0.065	0.065	0.080	0.080	0.080	0.080	0.104	0.080	0.104
	min	0.016	0.016	0.025	0.036	0.036	0.036	0.036	0.051	0.051	0.051	0.051	0.064	0.051	0.064

Nominal Diameter	7/16	1/2	1/2	9/16	9/16	5/8	5/8	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8
Nominal Size	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
Series	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
d	Nominal Size	0.500	0.531	0.562	0.594	0.625	0.656	0.688	0.812	0.812	0.938	0.938	1.062	1.062	1.250
	max	0.515	0.546	0.577	0.609	0.640	0.686	0.718	0.842	0.842	0.968	0.968	1.092	1.092	1.280
	min	0.495	0.526	0.557	0.589	0.620	0.649	0.681	0.805	0.805	0.931	0.931	1.055	1.055	1.243
d _c	Nominal Size	1.250	1.062	1.375	1.156*	1.469*	1.312	1.750	1.469*	2.000	1.750	2.250	2.000	2.500	2.250
	max	1.280	1.092	1.405	1.186	1.499	1.342	1.780	1.499	2.030	1.780	2.280	2.030	2.530	2.280
	min	1.243	1.055	1.368	1.149	1.462	1.305	1.743	1.462	1.993	1.743	2.243	1.993	2.493	2.243
h	Nominal Size	0.083	0.095	0.109	0.095	0.109	0.095	0.134	0.134	0.148	0.134	0.165	0.134	0.165	0.134
	max	0.104	0.121	0.132	0.121	0.132	0.121	0.160	0.160	0.177	0.160	0.192	0.160	0.192	0.160
	min	0.064	0.074	0.086	0.074	0.086	0.074	0.108	0.108	0.122	0.108	0.136	0.108	0.136	0.108

Nominal Diameter	1-1/4	1-1/4	1-3/8	1-3/8	1-1/2	1-1/2	1-5/8	1-3/4	1-7/8	2	2-1/4	2-1/2	2-3/4	3
Nominal Size	N	W	N	W	N	W	-	-	-	-	-	-	-	-
Series	N	W	N	W	N	W	-	-	-	-	-	-	-	-
d	Nominal Size	1.375	1.375	1.500	1.500	1.625	1.625	1.750	1.875	2.000	2.125	2.375	2.625	2.875
	max	1.405	1.405	1.530	1.545	1.655	1.670	1.795	1.920	2.045	2.170	2.420	2.670	2.940
	min	1.368	1.368	1.493	1.490	1.618	1.615	1.740	1.865	1.990	2.115	2.365	2.615	2.865
d _c	Nominal Size	2.500	3.000	2.750	3.250	3.000	3.500	3.750	4.000	4.250	4.500	4.750	5.000	5.250
	max	2.530	3.030	2.780	3.295	3.030	3.545	3.795	4.045	4.295	4.545	4.795	5.045	5.315
	min	2.493	2.993	2.743	3.240	2.993	3.490	3.740	3.990	4.240	4.490	4.740	4.990	5.240
h	Nominal Size	0.165	0.165	0.165	0.180	0.165	0.180	0.180	0.180	0.180	0.220	0.238	0.259	0.284
	max	0.192	0.192	0.192	0.213	0.192	0.213	0.213	0.213	0.213	0.248	0.280	0.310	0.327
	min	0.136	0.136	0.136	0.153	0.136	0.153	0.153	0.153	0.153	0.193	0.210	0.228	0.249

①, Preferred sizes are for the most part from series previously designated "Standard Plate" and "SAE." Where common sizes existed in the two series, the SAE size is designated "N" (narrow) and the Standard Plate "W" (wide). These sizes, as well as all other sizes of Type A Plain Washers, are to be ordered by ID, OD, and thickness dimensions.
②, The 0.734 in., 1.156 in., and 1.469 in. outside diameters avoid washers, which could be used in coin-operated devices.