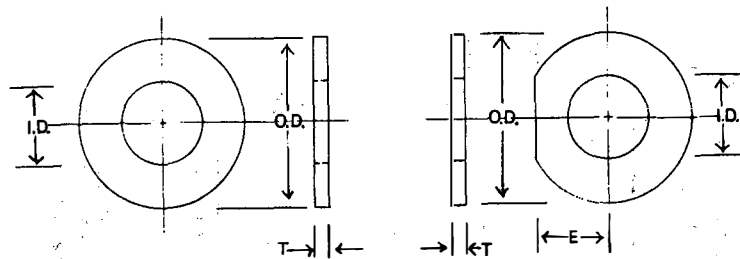


**TABLE 2 Hardened Circular, Clipped Circular, and Extra-Thick Washers**

NOTE 1—Tolerances are as noted in table on washer dimension tolerances.



Nominal Size	Circular and Extra Thick		Clipped Circular		Extra Thick		Minimum Edge Distance (E) <sup>A</sup> , in.
	Circular, Clipped Circular, and Extra Thick		Circular and Clipped		Extra Thick		
	Nominal Outside Diameter (OD), in.	Nominal Inside Diameter (ID), in.	Thickness (T), in.		Thickness (T), in.		
			min	max	min	max	
1/4	0.625	0.281	0.051	0.080	...	...	0.219
5/16	0.688	0.344	0.051	0.080	...	...	0.281
3/8	0.813	0.406	0.051	0.080	...	...	0.344
7/16	0.922	0.469	0.051	0.080	...	...	0.406
1/2	1.063	0.531	0.097	0.177	0.305	0.375	0.438
9/16	1.188	0.625	0.110	0.177	0.305	0.375	0.500
5/8	1.313	0.688	0.122	0.177	0.305	0.375	0.563
3/4	1.468	0.813	0.122	0.177	0.305	0.375	0.656
7/8	1.750	0.938	0.136	0.177	0.305	0.375	0.781
1	2.000	1.063	0.136	0.177	0.305	0.375	0.875
1 1/8	2.250	1.188	0.136	0.177	0.305	0.375	1.000
1 1/4	2.500	1.375	0.136	0.177	0.305	0.375	1.094
1 3/8	2.750	1.500	0.136	0.177	0.305	0.375	1.219
1 1/2	3.000	1.625	0.136	0.177	0.305	0.375	1.313
1 3/4	3.375	1.875	0.178 <sup>B</sup>	0.28 <sup>B</sup>	0.305	0.375	1.531
2	3.750	2.125	0.178 <sup>B</sup>	0.28 <sup>B</sup>	0.305	0.375	1.750
2 1/4	4.000	2.375	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.305	0.375	2.000
2 1/2	4.500	2.625	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	2.188
2 3/4	5.000	2.875	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	2.406
3	5.500	3.125	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	2.625
3 1/4	6.000	3.375	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	2.875
3 1/2	6.500	3.625	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	3.063
3 3/4	7.000	3.875	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	3.313
4	7.500	4.125	0.24 <sup>C</sup>	0.34 <sup>C</sup>	0.313	0.375	3.500

<sup>A</sup> Clipped edge E shall be not closer than 7/8 of the bolt diameter from the center of the washer.

<sup>B</sup> 3/16 in. nominal.

<sup>C</sup> 1/4 in. nominal.