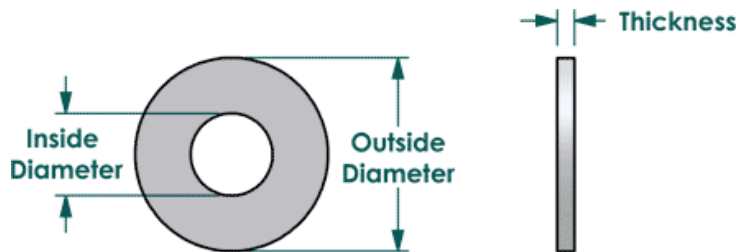


PRODUCT DATA SHEET

USA/CA: brightonBEST.com Europe: brightonBEST.org AU: brightonBEST.com.au NZ: brightonBEST.co.nz Brazil: brightonBEST.com.br

SAE Extra Heavy Flat Washers - Inch Series

1.0 Dimensions: As per Manufacturer's Standard



Nominal Washer Size	Inside Diameter (ID)			Outside Diameter (OD)			Thickness	
	Basic	Max	Min	Basic	Max	Min	Max	Min
1/4	0.281	0.296	0.276	0.625	0.640	0.620	0.110	0.090
5/16	0.344	0.359	0.339	0.688	0.703	0.681	0.110	0.090
3/8	0.406	0.421	0.401	0.812	0.827	0.805	0.126	0.110
7/16	0.469	0.484	0.464	0.922	0.937	0.915	0.126	0.110
1/2	0.531	0.546	0.526	1.062	1.092	1.055	0.188	0.156
9/16	0.594	0.609	0.589	1.156	1.186	1.149	0.188	0.156
5/8	0.656	0.686	0.649	1.312	1.342	1.305	0.195	0.170
3/4	0.812	0.842	0.805	1.469	1.499	1.462	0.195	0.170
7/8	0.938	0.968	0.931	1.750	1.780	1.743	0.265	0.235
1	1.062	1.092	1.055	2.000	2.030	1.993	0.265	0.235

Notes: SAE extra heavy washers have the same inner diameter (ID) & outer diameter (OD), as that of the standard SAE washers (ASME B18.21.1 Type A Narrow). The thickness of SAE extra heavy washers are more than that of the standard SAE washers.

2.0 Mechanical Properties:

SAE Extra Heavy washers are available only in hardened (heat treated) condition. Mechanical properties as per ASTM F436/F436M. Hardness 38 to 45 HRC. Washers have to be marked without fail. Marking can be any symbol or any distinguishing mark to identify the manufacturer. Marking should be depressed on one side of the washer.

3.0 Surface Finish:

Available only in zinc plated finish. Zinc Yellow. Type: Hexavalent (Cr+6). Specification: ASTM B633 SC1 (0.0002" or 5 microns).Type II.