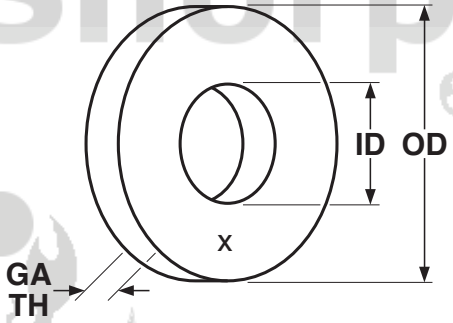
Heavy Duty

SAE THROUGH-HARDENED



SAE Through-Hardened Flat Washers - Heavy Duty

ASME B18.21.1-2009, Prestige Stamping

Bolt Size	Outside Diameter			Inside Diameter			Thickness	
	Nominal	Max	Min	Nominal	Max	Min	Max	Min
1/4	5/8	0.640	0.620	9/32	0.296	0.276	.088	.064
5/16	11/16	0.703	0.681	11/32	0.359	0.339	.093	.079
3/8	13/16	0.827	0.805	13/32	0.419	0.401	.093	.079
7/16	59/64	0.937	0.915	15/32	0.484	0.464	.106	.090
1/2	1-1/16	1.092	1.055	17/32	0.546	0.526	.146	.122
9/16	1-3/16	1.186	1.149	19/32	0.609	0.589	.146	.122
5/8	1-5/16	1.342	1.305	21/32	0.686	0.649	.160	.136
3/4	1-15/32	1.499	1.462	13/16	0.842	0.805	.160	.136
7/8	1-3/4	1.780	1.743	15/16	0.968	0.931	.160	.136
1	2	2.030	1.993	1-1/16	1.092	1.055	.160	.136

Description	Has identical inside and outside diameters as SAE thru-hardened washer, but can be as much as 50% thicker. They are manufactured from a medium grade of steel and heat-treated.
Applications/ Advantages	Designed for heavy duty use in machinery construction, assembly, in-plant maintenance and building construction
Material	SAE 1035 - 1050 steel
Hardness	Rockwell C38 - 45
Plating	Parts are mechanically zinc yellow plated.