



ASTM F436 ROUND STRUCTURAL WASHERS							ASTM F436
Bolt Size	OD		ID		TH		
	Outside Diameter		Inside Diameter		Thickness		
	Max	Min	Max	Min	Max	Min	
1/2	1.094	1.031	.562	.531	.177	.097	
5/8	1.344	1.281	.719	.687	.177	.122	
3/4	1.500	1.438	.843	.812	.177	.122	
7/8	1.781	1.719	.969	.938	.177	.136	
1	2.031	1.969	1.156	1.125	.177	.136	

Description	Dimensionally comparable to the USS plain washer, but with a smaller outside diameter, manufactured from a higher grade of steel and heat-treated.
Applications/ Advantages	Designed to be used with A325 & A490 structural bolts.
Material	Structural washers shall be manufactured from a steel which conforms to the following chemical composition requirements: <i>Phosphorous- 0.050%; Sulfur- 0.060%</i>
Hardness	Rockwell C38 - 45
Plating	Structural washers are usually supplied plain or with a galvanized finish.