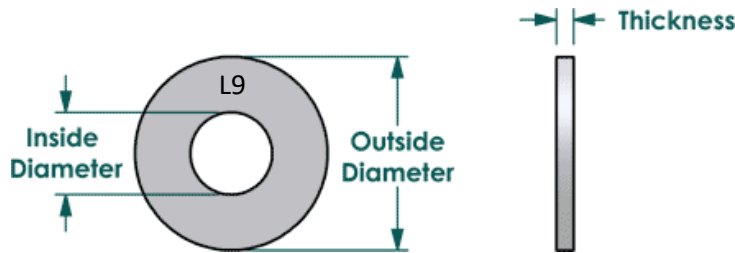


## P R O D U C T D A T A S H E E T

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### L9 SAE Washers

**1.0 Dimensions:** L9 is equivalent to grade 9. IFI does not cover grade 9. L9 is made to BBI's proprietary design.



Nominal Washer Size	Outside Diameter		Inside Diameter		Thickness	
	Max	Min	Max	Min	Max	Min
1/4	0.640	0.620	0.286	0.276	0.071	0.056
5/16	0.703	0.681	0.349	0.339	0.071	0.056
3/8	0.827	0.805	0.421	0.411	0.112	0.090
7/16	0.937	0.915	0.474	0.464	0.112	0.090
1/2	1.092	1.055	0.536	0.526	0.112	0.090
9/16	1.186	1.149	0.599	0.589	0.112	0.090
5/8	1.342	1.305	0.663	0.649	0.174	0.146
3/4	1.499	1.462	0.819	0.805	0.174	0.146
7/8	1.780	1.743	0.945	0.931	0.174	0.146
1	2.030	1.993	1.069	1.055	0.174	0.146
1-1/8	2.030	1.993	1.195	1.181	0.266	0.234
1-1/4	2.280	2.243	1.319	1.305	0.266	0.234
1-1/2	2.780	2.743	1.572	1.552	0.266	0.234

### 2.0 Mechanical Properties:

Hardness: 43 to 49 HRC

Marking: L9

### 3.0 Surface Finish:

Mechanical galvanized. ASTM B695. Class 12. Minimum coating thickness 12 microns or 0.0005". Yellow trivalent (Cr+3). 96 hours for white & red rust.