

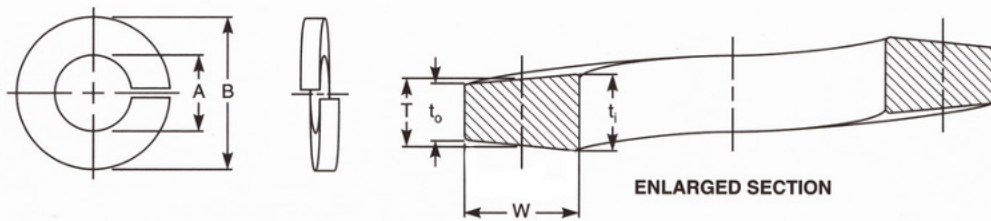


PRODUCT DATA SHEET

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

Regular Helical Spring Lock Washers - Inch Series

1.0 Dimensions: As Per ASME B18.21.1.



Nominal Washer Size	Inside Diameter (A)		Outside Diameter (B)	Mean Section Thickness (T) (t _i +t _o)/2		Section Width (W)
	Max	Min	Max	Max	Min	Min
#2	0.094	0.088	0.172	0.026	0.020	0.035
#4	0.120	0.114	0.209	0.031	0.025	0.040
#5	0.133	0.127	0.236	0.037	0.031	0.047
#6	0.148	0.141	0.250	0.037	0.031	0.047
# 8	0.174	0.167	0.293	0.046	0.040	0.055
#10	0.200	0.193	0.334	0.053	0.047	0.062
#12	0.227	0.220	0.377	0.062	0.056	0.070
1/4	0.260	0.252	0.487	0.072	0.062	0.109
5/16	0.322	0.314	0.583	0.088	0.078	0.125
3/8	0.385	0.377	0.680	0.104	0.094	0.141
7/16	0.450	0.440	0.776	0.119	0.109	0.156
1/2	0.512	0.502	0.869	0.135	0.125	0.171
9/16	0.574	0.564	0.965	0.151	0.141	0.188
5/8	0.641	0.628	1.073	0.166	0.156	0.203
3/4	0.766	0.753	1.265	0.198	0.188	0.234
7/8	0.894	0.878	1.459	0.239	0.219	0.266
1	1.024	1.003	1.656	0.270	0.250	0.297
1-1/8	1.153	1.129	1.847	0.301	0.281	0.328
1-1/4	1.280	1.254	2.036	0.332	0.312	0.359
1-3/8	1.408	1.379	2.219	0.364	0.344	0.391
1-1/2	1.534	1.504	2.419	0.395	0.375	0.422
1-3/4	1.789	1.758	2.679	0.419	0.389	0.424
2	2.039	2.008	2.936	0.452	0.422	0.427
2-1/2	2.543	2.512	3.471	0.470	0.440	0.442
3	3.043	3.012	4.074	0.488	0.458	0.491

Popularly known as “ Split Lock Washers “

Disclaimer: The above is a compilation of data, from various industry standards. BBI has taken every effort to present the data accurately. However BBI cannot be held liable for any claim traceable to any errors typographical or otherwise contained herein.



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

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2.0 Mechanical Properties: As per AME B18.21.1

2.1 Steel (High Carbon Steel & Alloy steel) : Hardness : 38 HRC to 46 HRC.

2.2 Stainless Steel (18-8 /304 & 316): Sizes up to & including 5/8 “: 35 HRC to 43 HRC.
Sizes above 5/8” : 32 HRC to 43 HRC. Washers will be passivated.

3.0 Surface Finish: Plain / Zinc / HDG. Zinc & HDG details given in table below.

Properties	Zinc	Zinc Yellow	Hot Dip Galvanized
Type	Trivalent (Cr+3)	Hexavalent (Cr+6)	RoHS Compliant
Color	Clear	Yellow	
Minimum Coating Thickness	0.0001” / 3 Microns.	0.0001 “ /3 Microns	Washers under 3/16 inch in thickness: 0.0017” (43 microns) and washers 3/16 inch & 1/4 inch thickness : 0.0020” (50 microns)
Specification	ASTM F1941/F1941M. Fe/Zn 3AN.	ASTM F1941 /1941M. Fe/Zn 3C.	ASTM F2329/ F2329M or ASTM A153/A153M