

HEAVY SPLIT HELICAL SPRING LOCK WASHER



| Nominal Washer Size | | Inside Diameter | | Outside Diameter | Mean Section Thickness | Section Width |
|---------------------|-------|-----------------|-------|------------------|------------------------|---------------|
| | | | | | Min | Min |
| | | Max | Min | | | |
| #10 | 0.190 | 0.200 | 0.193 | 0.350 | 0.056 | 0.070 |
| 1/4 | 0.250 | 0.260 | 0.252 | 0.489 | 0.077 | 0.110 |
| 5/16 | 0.312 | 0.322 | 0.314 | 0.593 | 0.097 | 0.130 |
| 3/8 | 0.375 | 0.385 | 0.377 | 0.688 | 0.115 | 0.145 |
| 7/16 | 0.438 | 0.450 | 0.440 | 0.784 | 0.133 | 0.160 |
| 1/2 | 0.500 | 0.512 | 0.502 | 0.879 | 0.151 | 0.176 |
| 9/16 | 0.562 | 0.574 | 0.564 | 0.975 | 0.170 | 0.193 |
| 5/8 | 0.625 | 0.641 | 0.628 | 1.087 | 0.189 | 0.210 |
| 3/4 | 0.750 | 0.766 | 0.753 | 1.285 | 0.226 | 0.244 |
| 7/8 | 0.875 | 0.894 | 0.878 | 1.489 | 0.266 | 0.281 |
| 1 | 1.000 | 1.024 | 1.003 | 1.700 | 0.306 | 0.319 |
| 1-1/4 | 1.250 | 1.280 | 1.254 | 2.104 | 0.384 | 0.393 |

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| Description | Similar to a regular split lock washer, but with a greater outside diameter and thickness. |
| Applications/ Advantages | The increased bearing area makes this suitable for applications involving higher tightening torques. |
| Material | SAE 1055 - 1065 carbon steel. |
| Hardness | Rockwell C38 - 46 |
| Twist Test | With the washer in a vice with the split ends free and straight above the vice jaws, a 90° segment of the free end is gripped with a wrench and bent. Washers are to withstand being twisted through a 90° angle without signs of fracture. When the washer ultimately fractures beyond the prescribed 90° limit, the structure at the breaking point shall show a fine grain. |
| Plating | See Appendix-A for information about plating heavy split lock washers. |