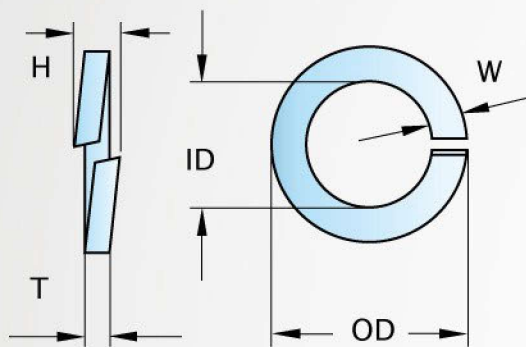


SPRING WASHER

ASME B 18.21.1-- Table.3 Extra Duty



| Size-No. | ID | | OD | T | W |
|----------|-------|-------|-------|-------|-------|
| | Min. | Max. | Max. | Min. | Min. |
| No. 2 | 0.088 | 0.094 | 0.208 | 0.027 | 0.053 |
| No. 3 | 0.101 | 0.107 | 0.239 | 0.034 | 0.062 |
| No. 4 | 0.114 | 0.120 | 0.253 | 0.034 | 0.062 |
| No. 5 | 0.127 | 0.133 | 0.300 | 0.045 | 0.079 |
| No. 6 | 0.141 | 0.148 | 0.314 | 0.045 | 0.079 |
| No. 8 | 0.167 | 0.174 | 0.375 | 0.057 | 0.096 |
| No. 10 | 0.193 | 0.200 | 0.434 | 0.068 | 0.112 |
| No. 12 | 0.220 | 0.227 | 0.497 | 0.080 | 0.130 |
| 1/4 | 0.252 | 0.260 | 0.533 | 0.084 | 0.132 |
| 5/16 | 0.314 | 0.322 | 0.619 | 0.108 | 0.143 |
| 3/8 | 0.377 | 0.385 | 0.738 | 0.123 | 0.170 |
| 7/16 | 0.440 | 0.450 | 0.836 | 0.143 | 0.186 |
| 1/2 | 0.502 | 0.512 | 0.935 | 0.162 | 0.204 |
| 9/16 | 0.564 | 0.574 | 1.035 | 0.182 | 0.223 |
| 5/8 | 0.628 | 0.641 | 1.151 | 0.202 | 0.242 |
| 3/4 | 0.753 | 0.766 | 1.355 | 0.241 | 0.279 |
| 7/8 | 0.878 | 0.894 | 1.571 | 0.285 | 0.322 |
| 1 | 1.003 | 1.024 | 1.794 | 0.330 | 0.366 |
| 1 1/8 | 1.129 | 1.153 | 2.013 | 0.375 | 0.411 |
| 1 1/4 | 1.254 | 1.280 | 2.222 | 0.417 | 0.452 |
| 1 3/8 | 1.379 | 1.408 | 2.429 | 0.458 | 0.491 |
| 1 1/2 | 1.504 | 1.534 | 2.627 | 0.496 | 0.526 |
| 1 5/8 | 1.633 | 1.663 | 2.784 | 0.496 | 0.526 |
| 1 3/4 | 1.758 | 1.789 | 2.902 | 0.526 | 0.532 |