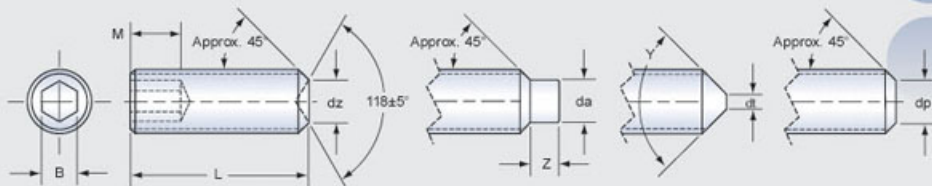


ASME B18.3 : Hexagon Socket Set Screws



Dimensions (inch)

| Nom. Size | M (Cup & Flat Point) | | M (Cone Point) | | M (Dog Point) | | Z |
|-----------|-------------------------|-------|-------------------|-------|------------------|-------|---------------|
| | Length | min. | Length | min. | Length | min. | |
| #0 | $L \geq 0.13$ | 0.050 | $L \geq 0.13$ | 0.050 | $L \geq 0.13$ | 0.050 | 0.013 - 0.017 |
| #1 | $L \geq 0.13$ | 0.060 | $L \geq 0.19$ | 0.060 | $L \geq 0.13$ | 0.060 | 0.017 - 0.021 |
| #2 | $L \geq 0.13$ | 0.060 | $L \geq 0.19$ | 0.060 | $L \geq 0.19$ | 0.060 | 0.020 - 0.024 |
| #3 | $L \geq 0.19$ | 0.070 | $L \geq 0.19$ | 0.070 | $L \geq 0.19$ | 0.070 | 0.023 - 0.027 |
| #4 | $L \geq 0.19$ | 0.070 | $L \geq 0.19$ | 0.070 | $L \geq 0.19$ | 0.070 | 0.026 - 0.030 |
| #5 | $L \geq 0.19$ | 0.080 | $L \geq 0.19$ | 0.080 | $L \geq 0.19$ | 0.080 | 0.027 - 0.033 |
| #6 | $L \geq 0.19$ | 0.080 | $L \geq 0.25$ | 0.080 | $L \geq 0.19$ | 0.080 | 0.032 - 0.038 |
| #8 | $L \geq 0.19$ | 0.090 | $L \geq 0.25$ | 0.090 | $L \geq 0.25$ | 0.090 | 0.037 - 0.043 |
| #10 | $L \geq 0.19$ | 0.100 | $L \geq 0.25$ | 0.100 | $L \geq 0.25$ | 0.100 | 0.041 - 0.049 |
| 1/4 | $L \geq 0.25$ | 0.125 | $L \geq 0.31$ | 0.125 | $L \geq 0.31$ | 0.125 | 0.059 - 0.067 |
| 5/16 | $L \geq 0.31$ | 0.156 | $L \geq 0.44$ | 0.156 | $L \geq 0.38$ | 0.156 | 0.074 - 0.082 |
| 3/8 | $L \geq 0.38$ | 0.188 | $L \geq 0.44$ | 0.188 | $L \geq 0.44$ | 0.188 | 0.089 - 0.099 |
| 7/16 | $L \geq 0.44$ | 0.219 | $L \geq 0.63$ | 0.219 | $L \geq 0.50$ | 0.219 | 0.104 - 0.114 |
| 1/2 | $L \geq 0.50$ | 0.250 | $L \geq 0.63$ | 0.250 | $L \geq 0.63$ | 0.250 | 0.120 - 0.130 |
| 5/8 | $L \geq 0.63$ | 0.312 | $L \geq 0.88$ | 0.312 | $L \geq 0.88$ | 0.312 | 0.148 - 0.164 |
| 3/4 | $L \geq 0.75$ | 0.375 | $L \geq 1.00$ | 0.375 | $L \geq 1.00$ | 0.375 | 0.180 - 0.196 |
| 7/8 | $L \geq 0.88$ | 0.500 | $L \geq 1.00$ | 0.500 | $L \geq 1.00$ | 0.500 | 0.211 - 0.227 |
| 1" | $L \geq 1.00$ | 0.562 | $L \geq 1.25$ | 0.562 | $L \geq 1.25$ | 0.562 | 0.240 - 0.260 |

Notes :

1. Thread Class : 3A UNRC and UNRF Series for screw size #0 through 1" ; 2A UNRC and UNRF Series for screw size over 1" .
2. Length Tolerance : See Table 1.
3. Cone point angle 90 deg \pm 2 deg for these nominal lengths or longer ; 118 deg \pm 2 deg for shorter nominal lengths.
4. Working Temperature : -50°C ~ +300°C