## HEX SOCKET HEAD CAP SCREWS (1960 SERIES)



|  |  | D |  | HD |  | H |  | SH | KS |  | KE | G | K |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter |  | Body Diameter |  | Head Diameter |  | Head Height |  | Head <br> Side <br> Height | Hexagon Key Size |  | Key En-gagement | Wall Thickness | Chamfer or Radius |
| Fractional | Decimal | Max | Min | Max | Min | Max | Min | Min | Nom |  | Min | Min | Max |
| \# 0 | 0.0600 | 0.0600 | 0.0568 | 0.096 | 0.091 | 0.060 | 0.057 | 0.054 | 0.050 |  | 0.025 | 0.020 | 0.003 |
| \# 1 | 0.0730 | 0.0730 | 0.0695 | 0.118 | 0.112 | 0.073 | 0.070 | 0.066 | $1 / 16 \mid 0.062$ |  | 0.031 | 0.025 | 0.003 |
| \# 2 | 0.0860 | 0.0860 | 0.0822 | 0.140 | 0.134 | 0.086 | 0.083 | 0.077 | 5/64 0.078 |  | 0.038 | 0.029 | 0.003 |
| \# 3 | 0.0990 | 0.0990 | 0.0949 | 0.161 | 0.154 | 0.099 | 0.095 | 0.089 | 5/64 | 0.078 | 0.044 | 0.034 | 0.003 |
| \# 4 | 0.1120 | 0.1120 | 0.1075 | 0.183 | 0.176 | 0.112 | 0.108 | 0.101 | 3/32 | 0.094 | 0.051 | 0.038 | 0.005 |
| \# 5 | 0.1250 | 0.1250 | 0.1202 | 0.205 | 0.198 | 0.125 | 0.121 | 0.112 | 3/32 | 0.094 | 0.057 | 0.043 | 0.005 |
| \# 6 | 0.1380 | 0.1380 | 0.1329 | 0.226 | 0.218 | 0.138 | 0.134 | 0.124 | 7/64 | 0.109 | 0.064 | 0.047 | 0.005 |
| \# 8 | 0.1640 | 0.1640 | 0.1585 | 0.270 | 0.262 | 0.164 | 0.159 | 0.148 | 9/64 | 0.141 | 0.077 | 0.056 | 0.005 |
| \#10 | 0.1900 | 0.1900 | 0.1840 | 0.312 | 0.303 | 0.190 | 0.185 | 0.171 | 5/32 | 0.156 | 0.090 | 0.065 | 0.005 |
| 1/4 | 0.2500 | 0.2500 | 0.2435 | 0.375 | 0.365 | 0.250 | 0.244 | 0.225 | 3/16 | 0.188 | 0.120 | 0.095 | 0.008 |
| 5/16 | 0.3125 | 0.3125 | 0.3053 | 0.469 | 0.457 | 0.312 | 0.306 | 0.281 | 1/4 | 0.250 | 0.151 | 0.119 | 0.008 |
| 3/8 | 0.3750 | 0.3750 | 0.3678 | 0.562 | 0.550 | 0.375 | 0.368 | 0.337 | 5/16 | 0.312 | 0.182 | 0.143 | 0.008 |
| 7/16 | 0.4375 | 0.4375 | 0.4294 | 0.656 | 0.642 | 0.438 | 0.430 | 0.394 | 3/8 | 0.375 | 0.213 | 0.166 | 0.010 |
| 1/2 | 0.5000 | 0.5000 | 0.4919 | 0.750 | 0.735 | 0.500 | 0.492 | 0.450 | 3/8 | 0.375 | 0.245 | 0.190 | 0.010 |
| 5/8 | 0.6250 | 0.6250 | 0.6163 | 0.938 | 0.921 | 0.625 | 0.616 | 0.562 | 1/2 | 0.500 | 0.307 | 0.238 | 0.010 |
| 3/4 | 0.7500 | 0.7500 | 0.7406 | 1.125 | 1.107 | 0.750 | 0.740 | 0.675 | 5/8 | 0.625 | 0.370 | 0.285 | 0.010 |
| 7/8 | 0.8750 | 0.8750 | 0.8647 | 1.312 | 1.293 | 0.875 | 0.864 | 0.787 | 3/4 | 0.750 | 0.432 | 0.333 | 0.015 |
| 1 | 1.0000 | 1.0000 | 0.9886 | 1.500 | 1.479 | 1.000 | 0.988 | 0.900 | 3/4 | 0.750 | 0.495 | 0.380 | 0.015 |
| 1-1/8 | 1.1250 | 1.1250 | 1.1086 | 1.688 | 1.665 | 1.125 | 1.111 | 1.012 | 7/8 | 0.875 | 0.557 | 0.428 | 0.015 |
| 1-1/4 | 1.2500 | 1.2500 | 1.2336 | 1.875 | 1.852 | 1.250 | 1.236 | 1.125 | 7/8 | 0.875 | 0.620 | 0.475 | 0.015 |
| 1-3/8 | 1.3750 | 1.3750 | 1.3568 | 2.062 | 2.038 | 1.375 | 1.360 | 1.237 | 1 | 1.000 | 0.682 | 0.523 | 0.015 |
| 1-1/2 | 1.5000 | 1.5000 | 1.4818 | 2.250 | 2.224 | 1.500 | 1.485 | 1.350 | 1 | 1.000 | 0.745 | 0.570 | 0.015 |
| 1-3/4 | 1.7500 | 1.7500 | 1.7295 | 2.625 | 2.597 | 1.750 | 1.734 | 1.575 | 1-1/4 | 1.250 | 0.870 | 0.665 | 0.015 |
| 2 | 2.0000 | 2.0000 | 1.9780 | 3.000 | 2.970 | 2.000 | 1.983 | 1.800 | 1-1/2 | 1.500 | 0.995 | 0.760 | 0.015 |
| 2-1/4 | 2.2500 | 2.2500 | 2.2280 | 3.375 | 3.344 | 2.250 | 2.232 | 2.025 | 1-3/4 | 1.750 | 1.120 | 0.855 | 0.031 |
| 2-1/2 | 2.5000 | 2.5000 | 2.4762 | 3.750 | 3.717 | 2.500 | 2.481 | 2.250 | 1-3/4 | 1.750 | 1.245 | 0.950 | 0.031 |
| 2-3/4 | 2.7500 | 2.7500 | 2.7262 | 4.125 | 4.090 | 2.750 | 2.730 | 2.475 | 2 | 2.000 | 1.370 | 1.045 | 0.031 |
| 3 | 3.0000 | 3.0000 | 2.9762 | 4.500 | 4.464 | 3.000 | 2.979 | 2.700 | 2-1/4 | 2.250 | 1.495 | 1.140 | 0.031 |
| 3-1/4 | 3.2500 | 3.2500 | 3.2262 | 4.875 | 4.837 | 3.250 | 3.228 | 2.925 | 2-1/4 | 2.250 | 1.620 | 1.235 | 0.031 |
| 3-1/2 | 3.5000 | 3.5000 | 3.4762 | 5.250 | 5.211 | 3.500 | 3.478 | 3.150 | 2-3/4 | 2.750 | 1.745 | 1.330 | 0.031 |
| 3-3/4 | 3.7500 | 3.7500 | 3.7262 | 5.625 | 5.584 | 3.750 | 3.727 | 3.375 | 2-3/4 | 2.750 | 1.870 | 1.425 | 0.031 |
| 4 | 4.0000 | 4.0000 | 3.9762 | 6.000 | 5.958 | 4.000 | 3.976 | 3.600 | 3 | 3.000 | 1.995 | 1.520 | 0.031 |

Note: L = Length of Screw


HEX FLAT SOCKET HEAD CAP SCREWS

| Nominal Diameter |  | D |  | HD |  | H |  | KS |  | KE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Body Diameter |  | Head Diameter |  | Head Height |  | Hexagon Key Size |  | Key Engagement |
|  |  | Theoretical Sharp Max | Abs. Min | Reference | Flush- <br> ness <br> Tolerance |  |  |  |
| Fractional | Decimal |  |  |  |  | Max | Min | Nom |  | Min |
| \# 0 | 0.0600 | 0.0600 | 0.0568 | 0.138 | 0.117 | 0.044 | 0.006 | 0.035 |  | 0.025 |
| \# 1 | 0.0730 | 0.0730 | 0.0695 | 0.168 | 0.143 | 0.054 | 0.007 | 0.050 |  | 0.031 |
| \# 2 | 0.0860 | 0.0860 | 0.0822 | 0.197 | 0.168 | 0.064 | 0.008 | 0.050 |  | 0.038 |
| \# 3 | 0.0990 | 0.0990 | 0.0949 | 0.226 | 0.193 | 0.073 | 0.010 | 1/16 | 0.062 | 0.044 |
| \# 4 | 0.1120 | 0.1120 | 0.1075 | 0.255 | 0.218 | 0.083 | 0.011 | 1/16 | 0.062 | 0.055 |
| \# 5 | 0.1250 | 0.1250 | 0.1202 | 0.281 | 0.240 | 0.090 | 0.012 | 5/64 | 0.078 | 0.061 |
| \# 6 | 0.1380 | 0.1380 | 0.1329 | 0.307 | 0.263 | 0.097 | 0.013 | 5/64 | 0.078 | 0.066 |
| \# 8 | 0.1640 | 0.1640 | 0.1585 | 0.359 | 0.311 | 0.112 | 0.014 | 3/32 | 0.094 | 0.076 |
| \#10 | 0.1900 | 0.1900 | 0.1840 | 0.411 | 0.359 | 0.127 | 0.015 | 1/8 | 0.125 | 0.087 |
| 1/4 | 0.2500 | 0.2500 | 0.2435 | 0.531 | 0.480 | 0.161 | 0.016 | 5/32 | 0.156 | 0.111 |
| 5/16 | 0.3125 | 0.3125 | 0.3053 | 0.656 | 0.600 | 0.198 | 0.017 | 3/16 | 0.188 | 0.135 |
| 3/8 | 0.3750 | 0.3750 | 0.3678 | 0.781 | 0.720 | 0.234 | 0.018 | 7/32 | 0.219 | 0.159 |
| 7/16 | 0.4375 | 0.4375 | 0.4294 | 0.844 | 0.781 | 0.234 | 0.018 | 1/4 | 0.250 | 0.159 |
| 1/2 | 0.5000 | 0.5000 | 0.4919 | 0.938 | 0.872 | 0.251 | 0.018 | 5/16 | 0.312 | 0.172 |
| 5/8 | 0.6250 | 0.6250 | 0.6163 | 1.188 | 1.112 | 0.324 | 0.022 | 3/8 | 0.375 | 0.220 |
| 3/4 | 0.7500 | 0.7500 | 0.7406 | 1.438 | 1.355 | 0.396 | 0.024 | 1/2 | 0.500 | 0.220 |
| 7/8 | 0.8750 | 0.8750 | 0.8647 | 1.688 | 1.604 | 0.468 | 0.025 | 9/16 | 0.562 | 0.248 |
| 1 | 1.0000 | 1.0000 | 0.9886 | 1.938 | 1.841 | 0.540 | 0.028 | 5/8 | 0.625 | 0.297 |
| 1-1/8 | 1.1250 | 1.1250 | 1.1086 | 2.188 | 2.079 | 0.611 | 0.031 | 3/4 | 0.750 | 0.325 |
| 1-1/4 | 1.2500 | 1.2500 | 1.2336 | 2.438 | 2.316 | 0.683 | 0.035 | 7/8 | 0.875 | 0.358 |
| 1-3/8 | 1.3750 | 1.3750 | 1.3568 | 2.688 | 2.553 | 0.755 | 0.038 | 7/8 | 0.875 | 0.402 |
| 1-1/2 | 1.5000 | 1.5000 | 1.4818 | 2.938 | 2.791 | 0.827 | 0.042 | 1 | 1.000 | 0.435 |

Note: L = Length of Screw

## HEX BUTTON SOCKET HEAD CAP SCREWS



| D |  | HD |  | H |  | S | KS |  | KE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter |  | Head Diameter |  | Head Height |  | Head Side <br> Height | Hexagon Key Size |  | Key <br> Engage- <br> ment |
| Fractional | Decimal | Max | Min | Max | Min | Ref | Nom |  | Min |
| \# 0 | 0.0600 | 0.114 | 0.104 | 0.032 | 0.026 | 0.010 | 0.035 |  | 0.020 |
| \# 1 | 0.0730 | 0.139 | 0.129 | 0.039 | 0.033 | 0.010 | 0.050 |  | 0.028 |
| \# 2 | 0.0860 | 0.164 | 0.154 | 0.046 | 0.038 | 0.010 | 0.050 |  | 0.028 |
| \# 3 | 0.0990 | 0.188 | 0.176 | 0.052 | 0.044 | 0.010 | 1/16 | 0.062 | 0.035 |
| \# 4 | 0.1120 | 0.213 | 0.201 | 0.059 | 0.051 | 0.015 | 1/16 | 0.062 | 0.035 |
| \# 5 | 0.1250 | 0.238 | 0.226 | 0.066 | 0.058 | 0.015 | 5/64 | 0.078 | 0.044 |
| \# 6 | 0.1380 | 0.262 | 0.250 | 0.073 | 0.063 | 0.015 | 5/64 | 0.078 | 0.044 |
| \# 8 | 0.1640 | 0.312 | 0.298 | 0.087 | 0.077 | 0.015 | 3/32 | 0.094 | 0.052 |
| \#10 | 0.1900 | 0.361 | 0.347 | 0.101 | 0.091 | 0.020 | 1/8 | 0.125 | 0.070 |
| 1/4 | 0.2500 | 0.437 | 0.419 | 0.132 | 0.122 | 0.031 | 5/32 | 0.156 | 0.087 |
| 5/16 | 0.3125 | 0.547 | 0.527 | 0.166 | 0.152 | 0.031 | 3/16 | 0.188 | 0.105 |
| 3/8 | 0.3750 | 0.656 | 0.636 | 0.199 | 0.185 | 0.031 | 7/32 | 0.219 | 0.122 |
| 1/2 | 0.5000 | 0.875 | 0.851 | 0.265 | 0.245 | 0.046 | 5/16 | 0.312 | 0.175 |
| 5/8 | 0.6250 | 1.000 | 0.970 | 0.331 | 0.311 | 0.062 | 3/8 | 0.375 | 0.210 |

Note: L = Length of Screw

## LOW HEAD SOCKET CAP SCREWS



| $\begin{array}{\|c} \text { Nominal } \\ \text { Size } \end{array}$ | B <br> Basic <br> Screw <br> Diameter | D |  | H |  | S | K | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Head Diameter |  | Head Height |  | Socket Size | Engagement | Fillet |  |
|  |  | Max | Min | Max | Min |  | Min | Max | Min |
| 8 | 0.1640 | . 270 | . 265 | . 082 | . 079 | . 0781 | . 060 | . 012 | . 007 |
| 10 | 0.1900 | . 312 | . 307 | . 095 | . 092 | . 0938 | . 072 | . 014 | . 009 |
| 1/4 | 0.2500 | . 375 | . 369 | . 125 | . 121 | . 1250 | . 094 | . 014 | . 009 |
| 5/16 | 0.3125 | . 437 | . 431 | . 156 | . 152 | . 1562 | . 120 | . 017 | . 012 |
| 3/8 | 0.3750 | . 562 | . 556 | . 187 | . 182 | . 1875 | . 145 | . 020 | . 015 |
| 7/16 | 0.4375 | . 625 | . 618 | . 218 | . 213 | . 2188 | . 166 | . 023 | . 018 |
| 1/2 | 0.5000 | . 750 | . 743 | . 250 | . 244 | . 2500 | . 184 | . 026 | . 020 |

## HEX SOCKET HEAD SHOULDER SCREWS

|  |  | D |  | HD |  | H |  | S | KS |  | KE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter |  | Shoulder Diameter |  | Head Diameter |  | Head Height |  | Head Side Height | Hexagon Key Size |  | Key Engagement |
| Fractional | Decimal | Max | Min | Max | Min | Max | Min | Min | Nom |  | Min |
| 1/4 | 0.250 | 0.2480 | 0.2460 | 0.375 | 0.357 | 0.188 | 0.177 | 0.157 | 1/8 | 0.125 | 0.094 |
| 5/16 | 0.312 | 0.3105 | 0.3085 | 0.438 | 0.419 | 0.219 | 0.209 | 0.183 | 5/32 | 0.156 | 0.117 |
| 3/8 | 0.375 | 0.3730 | 0.3710 | 0.562 | 0.543 | 0.250 | 0.240 | 0.209 | 3/16 | 0.188 | 0.141 |
| 1/2 | 0.500 | 0.4980 | 0.4960 | 0.750 | 0.729 | 0.312 | 0.302 | 0.262 | 1/4 | 0.250 | 0.188 |
| 5/8 | 0.625 | 0.6230 | 0.6210 | 0.875 | 0.853 | 0.375 | 0.365 | 0.315 | 5/16 | 0.312 | 0.234 |
| 3/4 | 0.750 | 0.7480 | 0.7460 | 1.000 | 0.977 | 0.500 | 0.490 | 0.421 | 3/8 | 0.375 | 0.281 |
| 1 | 1.000 | 0.9980 | 0.9960 | 1.312 | 1.287 | 0.625 | 0.610 | 0.527 | 1/2 | 0.500 | 0.375 |
| 1-1/4 | 1.250 | 1.2480 | 1.2460 | 1.750 | 1.723 | 0.750 | 0.735 | 0.633 | 5/8 | 0.625 | 0.469 |


| Nominal Size or Basic Shoulder Diameter |  | D1 |  |  | TL |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nominal Thread Size |  | Threads Per Inch | Thread <br> Length |
| Fractional | Decimal |  |  | Basic |
| 1/4 | 0.0250 | 10 | 0.1900 |  | 24 | 0.375 |
| 5/16 | 0.312 | 1/4 | 0.2500 | 20 | 0.438 |
| 3/8 | 0.375 | 5/16 | 0.3125 | 18 | 0.500 |
| 1/2 | 0.500 | 3/8 | 0.3750 | 16 | 0.625 |
| 5/8 | 0.625 | 1/2 | 0.5000 | 13 | 0.750 |
| 3/4 | 0.750 | 5/8 | 0.6250 | 11 | 0.875 |
| 1 | 1.000 | 3/4 | 0.7500 | 10 | 1.000 |
| 1-1/4 | 1.250 | 7/8 | 0.8750 | 9 | 1.125 |

Note: L = Length of Screw

## SOCKET SET SCREWS



SLIGHT CHAMFER OR RADIUS PERMISSIBLE


SLIGHT FLAT OR


CONE POINT


HALF DOG POINT


| $\begin{array}{\|c\|} \hline \text { Nominal } \\ \text { Size } \end{array}$ | S | K |  |  | 0 |  |  |  |  |  |  |  | A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{array}{\|c\|} \hline \text { Hexagon } \\ \text { Socket } \\ \text { Size } \end{array}$ | Min Key <br> Engage- <br> ment | Cup \& Flat <br> Point Dia. |  | Oval <br> Point <br> Radius | Half <br> Dog <br> Point |  |  |  | Shortest Length To <br> Which |  |  | $\begin{array}{\|c\|} \hline \text { Cone Pt. } \\ \text { Angle } \\ 90^{\circ} \text { For } \\ \text { These } \\ \text { Lengths } \\ \text { orLonger } \\ \hline \end{array}$ |
|  |  |  |  |  | Diameter | Length |  |  <br> Flat <br> Points | $\begin{gathered} 90^{0} \\ \text { Cone \& } \\ \text { Oval Pts. } \end{gathered}$ | Half <br> Dog <br> Point |  |
|  | Nom | Min | Max | Min |  | Basic | Max |  |  |  | Min | Max |  | Min |
| 4 | 0.050 | 0.070 | 0.061 | 0.051 | 0.084 | 0.075 | 0.070 | 0.030 | 0.026 | 0.19 | 0.19 | 0.19 | 0.19 |
| 5 | 1/16 | 0.080 | 0.067 | 0.057 | 0.094 | 0.083 | 0.078 | 0.033 | 0.027 | 0.19 | 0.19 | 0.19 | 0.19 |
| 6 | 1/16 | 0.080 | 0.074 | 0.064 | 0.104 | 0.092 | 0.087 | 0.038 | 0.032 | 0.19 | 0.25 | 0.19 | 0.19 |
| 8 | 5/64 | 0.090 | 0.087 | 0.076 | 0.123 | 0.109 | 0.103 | 0.043 | 0.037 | 0.19 | 0.25 | 0.25 | 0.25 |
| 10 | 3/32 | 0.100 | 0.102 | 0.088 | 0.142 | 0.127 | 0.120 | 0.049 | 0.041 | 0.19 | 0.25 | 0.25 | 0.25 |
| 1/4 | 1/8 | 0.125 | 0.132 | 0.118 | 0.188 | 0.156 | 0.149 | 0.067 | 0.059 | 0.25 | 0.31 | 0.31 | 0.31 |
| 5/16 | 5/32 | 0.156 | 0.172 | 0.156 | 0.234 | 0.203 | 0.195 | 0.082 | 0.074 | 0.31 | 0.44 | 0.38 | 0.38 |
| 3/8 | 3/16 | 0.188 | 0.212 | 0.194 | 0.281 | 0.250 | 0.241 | 0.099 | 0.089 | 0.38 | 0.44 | 0.44 | 0.44 |
| 7/16 | 7/32 | 0.219 | 0.252 | 0.232 | 0.328 | 0.297 | 0.287 | 0.114 | 0.104 | 0.44 | 0.63 | 0.50 | 0.50 |
| 1/2 | 1/4 | 0.250 | 0.291 | 0.270 | 0.375 | 0.344 | 0.334 | 0.130 | 0.120 | 0.50 | 0.63 | 0.63 | 0.57 |
| 5/8 | 5/16 | 0.312 | 0.371 | 0.347 | 0.469 | 0.469 | 0.456 | 0.164 | 0.148 | 0.63 | 0.88 | 0.88 | 0.75 |
| 3/4 | 3/8 | 0.375 | 0.450 | 0.425 | 0.562 | 0.562 | 0.549 | 0.196 | 0.180 | 0.75 | 1.00 | 1.00 | 0.88 |
| 7/8 | 1/2 | 0.500 | 0.530 | 0.502 | 0.656 | 0.656 | 0.642 | 0.227 | 0.211 | 0.88 | 1.00 | 1.00 | 1.00 |
| 1 | 9/16 | 0.562 | 0.609 | 0.579 | 0.750 | 0.750 | 0.734 | 0.260 | 0.240 | 1.00 | 1.25 | 1.25 | 1.13 |

## SQUARE HEAD SET SCREWS

| Nominal <br> Diameter | Width Across <br> Flats |  | Width Across <br> Corners |  | Head <br> Height |  |  |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Decimal | Max | Min | Max | Min | Max | Min |
| $\# 10$ | 0.1900 | 0.188 | 0.180 | 0.265 | 0.247 | 0.148 | 0.134 |
| $1 / 4$ | 0.2500 | 0.250 | 0.241 | 0.354 | 0.331 | 0.196 | 0.178 |
| $5 / 16$ | 0.3125 | 0.312 | 0.302 | 0.442 | 0.415 | 0.245 | 0.224 |
| $3 / 8$ | 0.3750 | 0.375 | 0.362 | 0.530 | 0.497 | 0.293 | 0.270 |
| $7 / 16$ | 0.4375 | 0.438 | 0.423 | 0.619 | 0.581 | 0.341 | 0.315 |
| $1 / 2$ | 0.5000 | 0.500 | 0.484 | 0.707 | 0.665 | 0.389 | 0.361 |
| $9 / 16$ | 0.5625 | 0.562 | 0.545 | 0.795 | 0.748 | 0.437 | 0.407 |
| $5 / 8$ | 0.6250 | 0.625 | 0.606 | 0.884 | 0.833 | 0.485 | 0.452 |
| $3 / 4$ | 0.7500 | 0.750 | 0.729 | 1.060 | 1.001 | 0.582 | 0.544 |
| $7 / 8$ | 0.8750 | 0.875 | 0.852 | 1.237 | 1.170 | 0.678 | 0.635 |
| 1 | 1.0000 | 1.000 | 0.974 | 1.414 | 1.337 | 0.774 | 0.726 |
| $1-1 / 8$ | 1.1250 | 1.125 | 1.096 | 1.591 | 1.505 | 0.870 | 0.817 |
| $1-1 / 4$ | 1.2500 | 1.250 | 1.219 | 1.768 | 1.674 | 0.966 | 0.908 |
| $1-3 / 8$ | 1.3750 | 1.375 | 1.342 | 1.945 | 1.843 | 1.063 | 1.000 |
| $1-1 / 2$ | 1.5000 | 1.500 | 1.464 | 2.121 | 2.010 | 1.159 | 1.091 |

Note: L = Length of Screw

## Dimensional Data

## SOCKET PIPE PLUG FLUSH SEAL



| $\begin{gathered} \text { Nominal } \\ \text { Size } \end{gathered}$ | 0 | Threads Per Inch | S | K | W | $\xrightarrow{\text { Overall }}$ |  | Tightening Torque (Inch-Lbs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Nominal } \\ \text { O.D. } \end{gathered}$ |  | $\begin{gathered} \text { Hex } \\ \text { Socket } \\ \text { Size } \end{gathered}$ | $\begin{gathered} \text { Key } \\ \text { Engage- } \end{gathered}$ |  |  |  |  |
|  |  |  |  | Min | Min | Max | Min |  |
| 1/16 | 0.307 | 27 | 5/32 | . 140 | . 052 | . 250 | . 235 | 150 |
| 1/8 | 0.401 | 27 | 3/16 | . 140 | . 049 | . 250 | . 235 | 250 |
| 1/4 | 0.529 | 18 | 1/4 | . 218 | . 045 | . 406 | . 391 | 600 |
| 3/8 | 0.667 | 18 | 5/16 | . 250 | . 040 | . 406 | . 391 | 1200 |
| 1/2 | 0.830 | 14 | 3/8 | . 312 | . 067 | . 531 | . 516 | 1800 |
| 3/4 | 1.041 | 14 | 9/16 | . 312 | . 054 | . 531 | . 516 | 3000 |
| 1 | 1.302 | 11-1/2 | 5/8 | . 375 | . 112 | . 656 | . 641 | 4200 |
| 1-1/4 | 1.647 | 11-1/2 | 3/4 | . 437 | . 102 | . 656 | . 641 | 5400 |

## SOCKET PIPE PLUG DRY SEAL

## 3/4" Taper



| Nominal Size | 0 | Threads Per Inch | S | K | W |  |  | Tightening Torque (Inch-Lbs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nominal O.D. |  | Hex Socket Size | $\begin{gathered} \text { Key } \\ \text { Engage- } \end{gathered}$ | Wall Thickness | Overall Length |  |  |
|  |  |  |  | Min | Min | Max | Min |  |
| 1/16 | 0.3120 | 27 | 5/32 | . 1400 | . 0620 | . 3240 | . 3000 | 150 |
| 1/8 | 0.4050 | 27 | 3/16 | . 1400 | . 0620 | . 3240 | . 3000 | 250 |
| 1/4 | 0.5400 | 18 | 1/4 | . 2180 | . 0730 | . 4570 | . 4170 | 600 |
| 3/8 | 0.6750 | 18 | 5/16 | . 2500 | . 0840 | . 5200 | . 4800 | 1200 |
| 1/2 | 0.8400 | 14 | 3/8 | . 3120 | . 0950 | . 5820 | . 5420 | 1800 |
| 3/4 | 1.0500 | 14 | 9/16 | . 3120 | . 1250 | . 6450 | . 6050 | 3000 |
| 1 | 1.3150 | 11-1/2 | 5/8 | . 3750 | . 1250 | . 7700 | . 7300 | 4200 |
| 1-1/4 | 1.6600 | 11-1/2 | 3/4 | . 4370 | . 1560 | . 8320 | . 7920 | 5400 |
| 1-1/2 | 1.9000 | 11-1/2 | 1 | . 4370 | . 1560 | . 8430 | . 7800 | 6900 |
| 2 | 2.3750 | 11-1/2 | 1 | . 4370 | . 1560 | . 9060 | . 8440 | 8500 |

