# Inch Series Head Dimension Chart

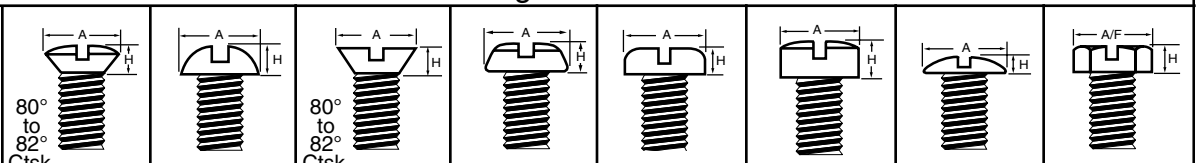
## Tableau des dimensions des têtes de vis de série impériale

**ASME B18.6.3 2013** For Reference Only

**For Machine and Sheet Metal Screws with Slotted and Cross Recessed Drives.**

**A**= Head Dia. **H**= Overall Height of Head **A/F**= Across Flats

All Dimensions in Inches




| Nom. Screw DIA. | | OVAL A | OVAL H | ROUND A | ROUND H | FLAT A | FLAT H | BINDING A | BINDING H | PAN A | PAN H | FILLISTER A | FILLISTER H | TRUSS A | TRUSS H | HEX A/F | HEX H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0000** | Max. | – | – | 0.041 | 0.022 | 0.040 | 0.011 | 0.046 | 0.014 | 0.042 | 0.016 | 0.038 | 0.025 | 0.049 | 0.014 | – | – |
| (.021") | Min. | – | – | 0.035 | 0.016 | 0.035 | – | 0.040 | 0.009 | 0.036 | 0.010 | 0.032 | 0.015 | 0.043 | 0.010 | – | – |
| **000** | Max. | – | – | 0.062 | 0.031 | 0.060 | 0.016 | 0.073 | 0.021 | 0.066 | 0.023 | 0.059 | 0.035 | 0.077 | 0.022 | – | – |
| (.034") | Min. | – | – | 0.056 | 0.025 | 0.055 | – | 0.067 | 0.015 | 0.060 | 0.017 | 0.053 | 0.027 | 0.071 | 0.018 | – | – |
| **00** | Max. | 0.093 | 0.042 | 0.089 | 0.045 | 0.087 | 0.028 | 0.098 | 0.028 | 0.090 | 0.032 | 0.082 | 0.047 | 0.106 | 0.030 | – | – |
| (.047") | Min. | 0.083 | 0.034 | 0.080 | 0.036 | 0.080 | – | 0.090 | 0.023 | 0.082 | 0.025 | 0.072 | 0.039 | 0.098 | 0.024 | – | – |
| **0** | Max. | 0.119 | 0.056 | 0.113 | 0.053 | 0.112 | 0.035 | 0.126 | 0.032 | 0.116 | 0.039 | 0.096 | 0.055 | 0.131 | 0.037 | – | – |
| (.060") | Min. | 0.099 | 0.041 | 0.099 | 0.043 | 0.096 | – | 0.119 | 0.026 | 0.104 | 0.031 | 0.083 | 0.047 | 0.119 | 0.029 | – | – |
| **1** | Max. | 0.146 | 0.068 | 0.138 | 0.061 | 0.137 | 0.043 | 0.153 | 0.041 | 0.142 | 0.046 | 0.118 | 0.066 | 0.164 | 0.045 | 0.125 | 0.044 |
| (.073") | Min. | 0.123 | 0.052 | 0.122 | 0.051 | 0.120 | – | 0.145 | 0.035 | 0.130 | 0.038 | 0.104 | 0.058 | 0.149 | 0.037 | 0.120 | 0.036 |
| **2** | Max. | 0.172 | 0.080 | 0.162 | 0.069 | 0.162 | 0.051 | 0.181 | 0.050 | 0.167 | 0.053 | 0.140 | 0.083 | 0.194 | 0.053 | 0.125 | 0.050 |
| (.086") | Min. | 0.147 | 0.063 | 0.146 | 0.059 | 0.144 | – | 0.171 | 0.043 | 0.155 | 0.045 | 0.124 | 0.066 | 0.180 | 0.044 | 0.120 | 0.040 |
| **3** | Max. | 0.199 | 0.092 | 0.187 | 0.078 | 0.187 | 0.059 | 0.208 | 0.059 | 0.193 | 0.060 | 0.161 | 0.095 | 0.226 | 0.061 | 0.188 | 0.055 |
| (.099") | Min. | 0.171 | 0.073 | 0.169 | 0.069 | 0.167 | – | 0.197 | 0.052 | 0.180 | 0.051 | 0.145 | 0.077 | 0.211 | 0.051 | 0.181 | 0.044 |
| **4** | Max. | 0.225 | 0.104 | 0.211 | 0.086 | 0.212 | 0.067 | 0.235 | 0.068 | 0.219 | 0.068 | 0.183 | 0.107 | 0.257 | 0.069 | 0.188 | 0.060 |
| (.112") | Min. | 0.195 | 0.084 | 0.193 | 0.075 | 0.191 | – | 0.223 | 0.061 | 0.205 | 0.058 | 0.166 | 0.088 | 0.241 | 0.059 | 0.181 | 0.049 |
| **5** | Max. | 0.252 | 0.116 | 0.236 | 0.095 | 0.237 | 0.075 | 0.263 | 0.078 | 0.245 | 0.075 | 0.205 | 0.120 | 0.289 | 0.078 | 0.188 | 0.070 |
| (.125") | Min. | 0.220 | 0.095 | 0.217 | 0.083 | 0.215 | – | 0.249 | 0.069 | 0.231 | 0.065 | 0.187 | 0.100 | 0.272 | 0.066 | 0.181 | 0.058 |
| **6** | Max. | 0.279 | 0.128 | 0.260 | 0.103 | 0.262 | 0.083 | 0.290 | 0.087 | 0.270 | 0.082 | 0.266 | 0.132 | 0.321 | 0.086 | 0.250 | 0.093 |
| (.138") | Min. | 0.244 | 0.105 | 0.240 | 0.091 | 0.238 | – | 0.275 | 0.078 | 0.256 | 0.072 | 0.208 | 0.111 | 0.303 | 0.074 | 0.244 | 0.080 |
| **8** | Max. | 0.332 | 0.152 | 0.309 | 0.120 | 0.287 | 0.100 | 0.344 | 0.105 | 0.322 | 0.096 | 0.270 | 0.156 | 0.384 | 0.102 | 0.250 | 0.110 |
| (.164") | Min. | 0.292 | 0.126 | 0.287 | 0.107 | 0.285 | – | 0.326 | 0.095 | 0.306 | 0.085 | 0.250 | 0.133 | 0.364 | 0.088 | 0.244 | 0.096 |
| **10** | Max. | 0.385 | 0.176 | 0.359 | 0.137 | 0.362 | 0.116 | 0.399 | 0.123 | 0.373 | 0.110 | 0.313 | 0.180 | 0.448 | 0.118 | 0.312 | 0.120 |
| (.190") | Min. | 0.340 | 0.148 | 0.334 | 0.123 | 0.333 | – | 0.378 | 0.112 | 0.357 | 0.099 | 0.292 | 0.156 | 0.425 | 0.103 | 0.305 | 0.105 |
| **12** | Max. | 0.438 | 0.200 | 0.408 | 0.153 | 0.412 | 0.132 | 0.454 | 0.141 | 0.425 | 0.125 | 0.357 | 0.205 | 0.511 | 0.134 | 0.312 | 0.155 |
| (.216") | Min. | 0.389 | 0.169 | 0.382 | 0.139 | 0.380 | – | 0.430 | 0.130 | 0.407 | 0.112 | 0.334 | 0.178 | 0.487 | 0.118 | 0.305 | 0.139 |
| **1/4"** | Max. | 0.507 | 0.232 | 0.472 | 0.175 | 0.477 | 0.153 | 0.525 | .0165 | 0.492 | 0.144 | 0.414 | 0.237 | 0.573 | 0.150 | 0.375 | 0.190 |
| (.250") | Min. | 0.452 | 0.197 | 0.443 | 0.160 | 0.422 | – | 0.498 | 0.152 | 0.473 | 0.130 | 0.389 | 0.202 | 0.546 | 0.133 | 0.367 | 0.172 |
| **5/16"** | Max. | 0.635 | 0.290 | 0.590 | 0.216 | 0.597 | 0.191 | 0.656 | 0.209 | 0.615 | 0.178 | 0.518 | 0.295 | 0.698 | 0.183 | 0.500 | 0.230 |
| (.313") | Min. | 0.568 | 0.249 | 0.557 | 0.198 | 0.556 | – | 0.622 | 0.194 | 0.594 | 0.162 | 0.490 | 0.262 | 0.666 | 0.162 | 0.489 | 0.280 |
| **3/8"** | Max. | 0.762 | 0.347 | 0.708 | 0.256 | 0.717 | 0.230 | 0.788 | 0.253 | 0.740 | 0.212 | 0.622 | 0.355 | 0.823 | 0.215 | 0.562 | 0.295 |
| (.375") | Min. | 0.685 | 0.290 | 0.670 | 0.237 | 0.670 | – | 0.746 | 0.235 | 0.716 | 0.195 | 0.590 | 0.315 | 0.787 | 0.191 | 0.551 | 0.270 |
| **7/16"** | Max. | 0.812 | 0.345 | 0.750 | 0.328 | 0.760 | 0.223 | – | – | 0.863 | 0.247 | 0.625 | 0.368 | 0.948 | 0.248 | – | – |
| (.438") | Min. | 0.723 | 0.295 | 0.707 | 0.307 | 0.715 | – | – | – | 0.837 | 0.228 | 0.589 | 0.321 | 0.907 | 0.221 | – | – |
| **1/2"** | Max. | 0.875 | 0.354 | 0.813 | 0.355 | 0.815 | 0.223 | – | – | 0.987 | 0.281 | 0.750 | 0.412 | 1.073 | 0.280 | – | – |
| (.500") | Min. | 0.775 | 0.299 | 0.766 | 0.332 | 0.765 | – | – | – | 0.958 | 0.260 | 0.710 | 0.362 | 1.028 | 0.250 | – | – |
| **9/16"** | Max. | 1.000 | 0.410 | 0.938 | 0.410 | 0.932 | 0.260 | – | – | 1.041 | 0.315 | 0.812 | 0.466 | 1.198 | 0.312 | – | – |
| (.563") | Min. | 0.889 | 0.350 | 0.887 | 0.385 | 0.878 | – | – | – | 1.000 | 0.293 | 0.768 | 0.410 | 1.149 | 0.279 | – | – |
| **5/8"** | Max. | 1.125 | 0.467 | 1.000 | 0.438 | 1.050 | 0.298 | – | – | 1.172 | 0.350 | 0.875 | 0.521 | 1.323 | 0.345 | – | – |
| (.625") | Min. | 1.002 | 0.399 | 0.944 | 0.411 | 0.990 | – | – | – | 1.125 | 0.325 | 0.827 | 0.461 | 1.269 | 0.309 | – | – |
| **3/4"** | Max. | 1.375 | 0.578 | 1.250 | 0.547 | 1.285 | 0.372 | – | – | 1.435 | 0.419 | 1.000 | 0.612 | 1.573 | 0.410 | – | – |
| (.750") | Min. | 1.230 | 0.497 | 1.185 | 0.516 | 1.215 | – | – | – | 1.375 | 0.390 | 0.945 | 0.542 | 1.511 | 0.368 | – | – |
| | | | | | | | | | | | | | | | | Dimensions for hex regular slotted and unslotted head. | |

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