



• Table 1 •  
Dimensions of Hexagon and Spline Socket Head Cap Screws (1960 Series)

| Nominal Size or<br>Basic Screw<br>Diameter | D<br>Body Diameter |        | A<br>Head Diameter |       | H<br>Head Height |       | S<br>Head Side<br>Height | J<br>Hex Socket Size |            | T<br>Key<br>Engagmt | G<br>Wall<br>Thkns | K<br>Chamfer or<br>Radius |
|--------------------------------------------|--------------------|--------|--------------------|-------|------------------|-------|--------------------------|----------------------|------------|---------------------|--------------------|---------------------------|
|                                            | Max                | Min    | Max                | Min   | Max              | Min   | Max                      | Nominal              |            | 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 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                     |
| See<br>Notes                               | 1                  | 2,15   | 3                  |       |                  |       |                          | 4                    | 21         |                     |                    | 6                         |