



**Holo-Krome®**  
The Difference is Easy To See

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# PRODUCT DATA SHEET

## Socket Head Cap Screws



### Applications:

- Critical applications where high tensile strength is required  
180,000 psi min (0 - 1/2") 170,000 psi min (over 1/2")
- Applications requiring high temperature resistance, corrosion resistance and other special characteristics, special materials can be formed with the same process to provide the same benefits

### Benefits:

- Thermo-Forged® to insure proper grain flow
- High tensile strength fasteners
- Diameter and pitch markings found on each socket head cap screw
- Holo-Code® lot traceability number stamped on socket heads to allow tracking without the box
- High clamp load to resist lateral movement
- Precision 3A threads for greater clamping force
- Unified standard threads are Class 3A through 1" diameter with Holo-Krome controlled radius roots and radiused run-out
- Closely controlled fillet between head and body provides maximum fatigue strength
- Alloy steel for optimum tensile, impact strength and fatigue strength
- Inch Series: ASME/ANSI B18.3 and ASTM A574
- Metric Series: Reference ISO 4762

| DIAMETER                                        | LENGTH<br>UNDER<br>HEAD | PRODUCT<br>CODE<br>NUMBER | DIAMETER                                        | LENGTH<br>UNDER<br>HEAD | PRODUCT<br>CODE<br>NUMBER | DIAMETER                                       | LENGTH<br>UNDER<br>HEAD | PRODUCT<br>CODE<br>NUMBER | DIAMETER                                                                                                                                                              | LENGTH<br>UNDER<br>HEAD | PRODUCT<br>CODE<br>NUMBER |
|-------------------------------------------------|-------------------------|---------------------------|-------------------------------------------------|-------------------------|---------------------------|------------------------------------------------|-------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|
| <b>#2</b><br>(.086")<br><sup>5</sup> /64" Key   | 3/16"                   | 72002                     | <b>1/4"</b><br>(.250")<br><sup>3</sup> /16" Key | 3"                      | 72116                     | <b>1/2"</b><br>(.500")<br><sup>3</sup> /8" Key | 4"                      | 72248                     | <b>1"</b><br>(1.000")<br><sup>3</sup> /4" Key                                                                                                                         | 6-1/2"                  | 72392                     |
|                                                 | 1/4"                    | 72004                     |                                                 | 3-1/4"                  | 86576                     |                                                | 4-1/2"                  | 72250                     |                                                                                                                                                                       | 7"                      | 72394                     |
|                                                 | 3/8"                    | 72006                     |                                                 | 3-1/2"                  | 72117                     |                                                | 5"                      | 72252                     |                                                                                                                                                                       | 8"                      | 72396                     |
|                                                 | 1/2"                    | 72008                     |                                                 | 3-3/4"                  | 86580                     |                                                | 5-1/2"                  | 72254                     |                                                                                                                                                                       |                         |                           |
| <b>#3</b><br>(.099")<br><sup>5</sup> /64" Key   | 3/16"                   | 72010                     | <b>5/16"</b><br>(.312")<br><sup>1</sup> /4" Key | 4"                      | 72115                     | <b>5/8"</b><br>(.625")<br><sup>1</sup> /2" Key | 6"                      | 72256                     | <b>1-1/4"</b><br>(1.250")<br><sup>7</sup> /8" Key                                                                                                                     | 3"                      | 72400                     |
|                                                 | 1/4"                    | 72012                     |                                                 | 1/2"                    | 72120                     |                                                | 6-1/2"                  | 72258                     |                                                                                                                                                                       | 3-1/2"                  | 72402                     |
|                                                 | 3/8"                    | 72014                     |                                                 | 5/8"                    | 72122                     |                                                | 7"                      | 72260                     |                                                                                                                                                                       | 4"                      | 72404                     |
|                                                 | 1/2"                    | 72016                     |                                                 | 3/4"                    | 72124                     |                                                | 8"                      | 72262                     |                                                                                                                                                                       | 4-1/2"                  | 72406                     |
| <b>#4</b><br>(.112")<br><sup>3</sup> /32" Key   | 3/16"                   | 86150                     |                                                 | 7/8"                    | 72126                     |                                                | 1"                      | 72264                     |                                                                                                                                                                       | 5"                      | 72408                     |
|                                                 | 1/4"                    | 72018                     |                                                 | 1"                      | 72128                     |                                                | 1-1/4"                  | 72266                     |                                                                                                                                                                       | 5-1/2"                  | 72410                     |
|                                                 | 5/16"                   | 86154                     |                                                 | 1-1/4"                  | 72130                     |                                                | 1-1/2"                  | 72268                     |                                                                                                                                                                       | 6"                      | 72412                     |
|                                                 | 3/8"                    | 72020                     |                                                 | 1-1/2"                  | 72132                     |                                                | 1-3/4"                  | 72270                     |                                                                                                                                                                       | 6-1/2"                  | 72414                     |
|                                                 | 1/2"                    | 72022                     |                                                 | 1-3/4"                  | 72134                     |                                                | 2"                      | 72272                     |                                                                                                                                                                       | 7"                      | 72416                     |
|                                                 | 5/8"                    | 72024                     |                                                 | 2"                      | 72136                     |                                                | 2-1/4"                  | 72274                     |                                                                                                                                                                       | 8"                      | 72418                     |
|                                                 | 3/4"                    | 72026                     |                                                 | 2-1/4"                  | 72138                     |                                                | 2-1/2"                  | 72276                     |                                                                                                                                                                       | 9"                      | 72420                     |
| <b>#5</b><br>(.125")<br><sup>3</sup> /32" Key   | 7/8"                    | 86172                     |                                                 | 2-1/2"                  | 72140                     |                                                | 2-3/4"                  | 72278                     | <b>1-1/2"</b><br>(1.500")<br>1" Key                                                                                                                                   | 10"                     | 72422                     |
|                                                 | 1"                      | 86176                     |                                                 | 2-3/4"                  | 72142                     |                                                | 3"                      | 72280                     |                                                                                                                                                                       | 11"                     | 72424                     |
|                                                 | 1/4"                    | 72028                     |                                                 | 3"                      | 72144                     |                                                | 3-1/4"                  | 72282                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/8"                    | 72030                     |                                                 | 3-1/4"                  | 72146                     |                                                | 3-1/2"                  | 72284                     |                                                                                                                                                                       | 3-1/2"                  | 72428                     |
| <b>#6</b><br>(.138")<br><sup>7</sup> /64" Key   | 1/2"                    | 72032                     |                                                 | 3-1/2"                  | 72148                     | <b>3/4"</b><br>(.750")<br><sup>5</sup> /8" Key | 4"                      | 72286                     |                                                                                                                                                                       | 4"                      | 72430                     |
|                                                 | 5/8"                    | 72034                     |                                                 | 4"                      | 86646                     |                                                | 4-1/2"                  | 72288                     |                                                                                                                                                                       | 4-1/2"                  | 72432                     |
|                                                 | 3/4"                    | 72036                     |                                                 | 1/2"                    | 72150                     |                                                | 5"                      | 72290                     |                                                                                                                                                                       | 5"                      | 72434                     |
|                                                 | 1/4"                    | 72038                     |                                                 | 5/8"                    | 72152                     |                                                | 5-1/2"                  | 72292                     |                                                                                                                                                                       | 5-1/2"                  | 72436                     |
|                                                 | 3/8"                    | 72040                     |                                                 | 3/4"                    | 72154                     |                                                | 6"                      | 72294                     |                                                                                                                                                                       | 6"                      | 72438                     |
|                                                 | 1/2"                    | 72042                     |                                                 | 7/8"                    | 72156                     |                                                | 6-1/2"                  | 72296                     |                                                                                                                                                                       | 6-1/2"                  | 72440                     |
|                                                 | 5/8"                    | 72044                     |                                                 | 1"                      | 72158                     |                                                | 7"                      | 72298                     |                                                                                                                                                                       | 7"                      | 72442                     |
|                                                 | 3/4"                    | 72046                     |                                                 | 1-1/4"                  | 72160                     |                                                | 8"                      | 72300                     |                                                                                                                                                                       | 8"                      | 72444                     |
|                                                 | 7/8"                    | 72048                     |                                                 | 1-1/2"                  | 72162                     |                                                | 1-1/4"                  | 72302                     | <b>Socket Head Cap Screws</b><br><br><b>Also Available In:</b><br><br><ul style="list-style-type: none"> <li>• UNRF</li> <li>• Metric</li> <li>• Stainless</li> </ul> |                         |                           |
|                                                 | 1"                      | 72050                     | <b>3/8"</b><br>(.375")<br><sup>5</sup> /16" Key | 1-3/4"                  | 72164                     |                                                | 1-1/2"                  | 72304                     |                                                                                                                                                                       |                         |                           |
| <b>#8</b><br>(.164")<br><sup>9</sup> /64" Key   | 1-1/4"                  | 86288                     |                                                 | 2"                      | 72166                     |                                                | 1-3/4"                  | 72306                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/2"                  | 86292                     |                                                 | 2-1/4"                  | 72168                     |                                                | 2"                      | 72308                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-3/4"                  | 86296                     |                                                 | 2-1/2"                  | 72170                     |                                                | 2-1/4"                  | 72310                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2"                      | 86300                     |                                                 | 2-3/4"                  | 72172                     |                                                | 2-1/2"                  | 72312                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1/4"                    | 72052                     |                                                 | 3"                      | 72174                     |                                                | 2-3/4"                  | 72314                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/8"                    | 72054                     |                                                 | 3-1/4"                  | 72176                     |                                                | 3"                      | 72316                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1/2"                    | 72056                     |                                                 | 3-1/2"                  | 72178                     |                                                | 3-1/4"                  | 72318                     |                                                                                                                                                                       |                         |                           |
|                                                 | 5/8"                    | 72058                     |                                                 | 4"                      | 72180                     |                                                | 3-1/2"                  | 72320                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/4"                    | 72060                     |                                                 | 4-1/2"                  | 72182                     |                                                | 3-3/4"                  | 72321                     |                                                                                                                                                                       |                         |                           |
|                                                 | 7/8"                    | 72062                     |                                                 | 5"                      | 72184                     |                                                | 4"                      | 72322                     |                                                                                                                                                                       |                         |                           |
| <b>#10</b><br>(.190")<br><sup>5</sup> /32" Key  | 1"                      | 72064                     |                                                 | 5-1/2"                  | 86688                     | <b>7/8"</b><br>(.875")<br><sup>3</sup> /4" Key | 4-1/2"                  | 72324                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/4"                  | 72066                     |                                                 | 6"                      | 72185                     |                                                | 5"                      | 72326                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/2"                  | 72068                     |                                                 | 3/4"                    | 72190                     |                                                | 5-1/2"                  | 72328                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-3/4"                  | 86362                     |                                                 | 7/8"                    | 72192                     |                                                | 6"                      | 72330                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2"                      | 86364                     |                                                 | 1"                      | 72194                     |                                                | 6-1/2"                  | 72332                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2-1/2"                  | 86368                     |                                                 | 1-1/4"                  | 72196                     |                                                | 7"                      | 72334                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1/4"                    | 86424                     |                                                 | 1-1/2"                  | 72198                     |                                                | 8"                      | 72336                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/8"                    | 72070                     |                                                 | 1-3/4"                  | 72200                     | <b>1"</b><br>(1.000")<br><sup>3</sup> /4" Key  | 2"                      | 72338                     |                                                                                                                                                                       |                         |                           |
| <b>1/4"</b><br>(.250")<br><sup>3</sup> /16" Key | 1/2"                    | 72072                     | <b>7/16"</b><br>(.437")<br><sup>3</sup> /8" Key | 2"                      | 72202                     |                                                | 2-1/4"                  | 72340                     |                                                                                                                                                                       |                         |                           |
|                                                 | 5/8"                    | 72074                     |                                                 | 2-1/4"                  | 72204                     |                                                | 2-1/2"                  | 72342                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/4"                    | 72076                     |                                                 | 2-1/2"                  | 72206                     |                                                | 2-3/4"                  | 72344                     |                                                                                                                                                                       |                         |                           |
|                                                 | 7/8"                    | 72078                     |                                                 | 2-3/4"                  | 72208                     |                                                | 3"                      | 72346                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1"                      | 72080                     |                                                 | 3"                      | 72210                     |                                                | 3-1/4"                  | 72348                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/4"                  | 72082                     |                                                 | 3-1/2"                  | 72214                     |                                                | 3-1/2"                  | 72350                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/2"                  | 72084                     |                                                 | 4"                      | 72216                     |                                                | 4"                      | 72352                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-3/4"                  | 72086                     |                                                 | 4-1/2"                  | 72271                     |                                                | 4-1/2"                  | 72354                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2"                      | 72088                     | <b>1/2"</b><br>(.500")<br><sup>3</sup> /8" Key  | 5"                      | 86724                     |                                                | 5"                      | 72356                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2-1/4"                  | 86440                     |                                                 | 1/2"                    | 72218                     |                                                | 5-1/2"                  | 72358                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2-1/2"                  | 86442                     |                                                 | 5/8"                    | 72220                     |                                                | 6"                      | 72360                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1/4"                    | 86526                     |                                                 | 3/4"                    | 72222                     |                                                | 7"                      | 72364                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/8"                    | 72090                     |                                                 | 7/8"                    | 72224                     |                                                | 8"                      | 72366                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1/2"                    | 72092                     |                                                 | 1"                      | 72226                     |                                                | 2"                      | 72368                     |                                                                                                                                                                       |                         |                           |
|                                                 | 5/8"                    | 72094                     |                                                 | 1-1/4"                  | 72228                     |                                                | 2-1/4"                  | 72370                     |                                                                                                                                                                       |                         |                           |
|                                                 | 3/4"                    | 72096                     |                                                 | 1-1/2"                  | 72230                     |                                                | 2-1/2"                  | 72372                     |                                                                                                                                                                       |                         |                           |
|                                                 | 7/8"                    | 72098                     |                                                 | 1-3/4"                  | 72232                     |                                                | 2-3/4"                  | 72374                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1"                      | 72100                     |                                                 | 2"                      | 72234                     |                                                | 3"                      | 72376                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/4"                  | 72102                     |                                                 | 2-1/4"                  | 72236                     |                                                | 3-1/4"                  | 72378                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-1/2"                  | 72104                     |                                                 | 2-1/2"                  | 72238                     |                                                | 3-1/2"                  | 72380                     |                                                                                                                                                                       |                         |                           |
|                                                 | 1-3/4"                  | 72106                     |                                                 | 2-3/4"                  | 72240                     |                                                | 4"                      | 72382                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2"                      | 72108                     |                                                 | 3"                      | 72242                     |                                                | 4-1/2"                  | 72384                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2-1/4"                  | 72110                     |                                                 | 3-1/4"                  | 72244                     |                                                | 5"                      | 72386                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2-1/2"                  | 72112                     |                                                 | 3-1/2"                  | 72246                     |                                                | 5-1/2"                  | 72388                     |                                                                                                                                                                       |                         |                           |
|                                                 | 2-3/4"                  | 72114                     |                                                 | 3-3/4"                  | 72247                     |                                                | 6"                      | 72390                     |                                                                                                                                                                       |                         |                           |