



**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 |       |
|------------------------------|-------------------------|---------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------|-------|
| #2<br>(.086")<br>5/64" Key   | 3/16"                   | 72002                     | 1/4"<br>(.250")<br>3/16" Key | 3"                           | 72116                     | 1/2"<br>(.500")<br>3/8" Key | 4"                          | 72248                     | 1"<br>(1.000")<br>3/4" 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                     |                                                                                                   |                              |                           |       |
| #3<br>(.099")<br>5/64" Key   | 3/16"                   | 72010                     | 5/16"<br>(.312")<br>1/4" Key | 4"                           | 72115                     | 5/8"<br>(.625")<br>1/2" Key | 6"                          | 72256                     | 1-1/4"<br>(1.250")<br>7/8" 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                     |       |
| 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                       | 8"                          | 72416                     |                                                                                                   |                              |                           |       |
| 5/8"                         | 72024                   | 2"                        |                              | 72136                        | 2-1/4"                    | 72274                       | 9"                          | 72420                     |                                                                                                   |                              |                           |       |
| 3/4"                         | 72026                   | 2-1/4"                    |                              | 72138                        | 2-1/2"                    | 72276                       | 10"                         | 72422                     |                                                                                                   |                              |                           |       |
| 7/8"                         | 86172                   | 2-1/2"                    |                              | 72140                        | 2-3/4"                    | 72278                       | 11"                         | 72424                     |                                                                                                   |                              |                           |       |
| 1"                           | 86176                   | 2-3/4"                    |                              | 72142                        | 3"                        | 72280                       |                             |                           |                                                                                                   |                              |                           |       |
| #5<br>(.125")<br>3/32" Key   | 1/4"                    | 72028                     |                              | 3/8"<br>(.375")<br>5/16" Key | 3"                        | 72144                       | 3/4"<br>(.750")<br>5/8" Key | 3-1/4"                    | 72282                                                                                             | 1-1/2"<br>(1.500")<br>1" Key | 3-1/2"                    | 72428 |
|                              | 3/8"                    | 72030                     |                              |                              | 3-1/4"                    | 72146                       |                             | 3-1/2"                    | 72284                                                                                             |                              | 4"                        | 72430 |
|                              | 1/2"                    | 72032                     |                              |                              | 3-1/2"                    | 72148                       |                             | 4"                        | 72286                                                                                             |                              | 4-1/2"                    | 72432 |
|                              | 5/8"                    | 72034                     | 4"                           |                              | 86646                     | 4-1/2"                      |                             | 72288                     | 5"                                                                                                |                              | 72434                     |       |
| 3/4"                         | 72036                   | 1/2"                      | 72150                        |                              | 5"                        | 72290                       |                             | 5-1/2"                    | 72436                                                                                             |                              |                           |       |
| 1/4"                         | 72038                   | 5/8"                      | 72152                        |                              | 5-1/2"                    | 72292                       |                             | 6"                        | 72438                                                                                             |                              |                           |       |
| 3/8"                         | 72040                   | 3/4"                      | 72154                        |                              | 6"                        | 72294                       |                             | 6-1/2"                    | 72440                                                                                             |                              |                           |       |
| 1/2"                         | 72042                   | 7/8"                      | 72156                        |                              | 6-1/2"                    | 72296                       |                             | 7"                        | 72442                                                                                             |                              |                           |       |
| 5/8"                         | 72044                   | 1"                        | 72158                        |                              | 7"                        | 72298                       | 8"                          | 72444                     |                                                                                                   |                              |                           |       |
| 3/4"                         | 72046                   | 1-1/4"                    | 72160                        |                              | 8"                        | 72300                       |                             |                           |                                                                                                   |                              |                           |       |
| 7/8"                         | 72048                   | 1-1/2"                    | 72162                        |                              | 1-1/4"                    | 72302                       |                             |                           |                                                                                                   |                              |                           |       |
| 1"                           | 72050                   | 1-3/4"                    | 72164                        |                              | 1-1/2"                    | 72304                       |                             |                           |                                                                                                   |                              |                           |       |
| 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                       |                             |                           |                                                                                                   |                              |                           |       |
| #8<br>(.164")<br>9/64" Key   | 1/4"                    | 72052                     | 7/16"<br>(.437")<br>3/8" Key | 3"                           | 72174                     | 7/8"<br>(.875")<br>3/4" Key | 2-3/4"                      | 72314                     | Socket Head Cap Screws<br><br>Also Available In:<br><br>• UNRF<br><br>• Metric<br><br>• Stainless |                              |                           |       |
|                              | 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                     |                                                                                                   |                              |                           |       |
|                              | 1"                      | 72064                     |                              | 5-1/2"                       | 86688                     |                             | 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                       |                           |                                                                                                   |                              |                           |       |
| #10<br>(.190")<br>5/32" Key  | 1/4"                    | 86424                     |                              | 1/2"<br>(.500")<br>3/8" Key  | 1-1/2"                    | 72198                       | 1"<br>(1.000")<br>3/4" Key  | 8"                        | 72336                                                                                             |                              |                           |       |
|                              | 3/8"                    | 72070                     |                              |                              | 1-3/4"                    | 72200                       |                             | 2"                        | 72338                                                                                             |                              |                           |       |
|                              | 1/2"                    | 72072                     |                              |                              | 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                     | 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"<br>(.250")<br>3/16" Key | 1/4"                    | 86526                     | 1/2"<br>(.500")<br>3/8" Key  |                              | 3/4"                      | 72222                       | 1"<br>(1.000")<br>3/4" Key  | 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                       |                             |                           |                                                                                                   |                              |                           |       |