

# HOLO-KROME®

## WHEN IT MATTERS MOST™



### *Critical Application Socket Head Fasteners*

*Available in Inch  
and Metric Sizes*

**Custom Designed  
Fastener Solutions**

**Socket Head Cap Screws**

**Socket Button Head  
Cap Screws**

**Socket Flat Head Cap Screws**

**Socket Low Head Cap Screws**

**Socket Set Screws**

**Socket Shoulder Screws**

**Dowel Pins**

**Socket Jam Screws**

**Socket Pressure Plugs**



**Effective March 1, 2016**

"H-K" MARKING



MADE IN "USA"  
MARKING

CHAMFERED  
DRIVE



SIZE MARKING

HOLO-CODE®  
TRACEABILITY



LONGER AND  
DEEPER KNURLS



[www.HOLO-KROME.com](http://www.HOLO-KROME.com)

Certificate US11/82236

The management system of

# Holo-Krome Company

61 Barnes Industrial Park North  
Wallingford, CT 06492, United States

has been assessed and certified as meeting the requirements of

## ISO 9001:2008

For the following activities

**The manufacture, procurement and delivery of fasteners and specialty  
formed products to industry and customer specifications.**

Further clarifications regarding the scope of this certificate and the applicability of  
ISO 9001:2008 requirements may be obtained by consulting the organization

This certificate is valid from 24 September 2015 until 24 September 2018  
and remains valid subject to satisfactory surveillance audits.  
Recertification audit due a minimum of 60 days before the expiration date.  
Issue 3 : 26 August 2015.  
Certified since 9 February 1996.

Authorized by



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This certificate remains the property of SGS and shall be returned upon request

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# GENERAL INFORMATION

**About Us:** All Holo-Krome products are Made in the USA and used in a wide variety of market applications which demand high quality, high strength precision components. Since its formation in 1929, Holo-Krome has been at the forefront of fastener development and innovation. In 1930, Holo-Krome invented and later patented the first practical cold heading process for mass producing high tensile strength alloy steel socket screws. As you browse through our catalog, you will see Holo-Krome manufactures and stocks a full line of standard, high quality socket screw products. In addition to the standard product line, Holo-Krome manufactures semi-standards, special fasteners and cold headed parts.

**Product Number Code:** All standard products have an assigned Product Number Code shown on the boxes for ease in ordering and inventory control. All products are sold in full packages only.

**Special Products:** Products not in the catalog can be quoted on request. Blueprints and specifications should accompany your request.

**Shipments:** Holo-Krome will attempt to ship in accordance with your instructions and by carrier of your choice. However, final selection for method of shipment and carrier will be at our sole discretion.

**Certifications:** On request, using a lot number stamped on the outside of the Box, and or the Holo-Code® on the head of the cap screw, Holo-Krome can certify the chemical analysis, the raw material supplier and the mechanical/dimensional properties of the product.

**Product Plating & Modification:** Holo-Krome shall not be responsible for products plated or modified in any manner not under its control.

**Prices:** Prices are subject to change without notice.

**Bulk Prices:** Quantity pricing for bulk (non-package) available on request. For the name of the authorized Holo-Krome distributor nearest you, call toll free 1-800-879-6205.

**Limited Warranty:** Holo-Krome warrants, for a period of one (1) year after delivery, that all Products delivered to Purchaser hereunder shall be free from any defects in material or workmanship and in conformity with any applicable specifications. Such warranty only extends to Purchaser. Purchaser shall inspect Products within a reasonable time after receipt, and shall promptly notify Holo-Krome of any claimed defect or nonconformity. Any Products determined to be defective in material or workmanship must be returned, with an invoice and/or control number to an authorized location, shipping costs to be prepaid by Purchaser, within the one-year warranty period. THE FOREGOING WARRANTIES ARE IN PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED AND HOLO-KROME EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**Disclaimer and Limitation of Liability:** HOLO-KROME DISCLAIMS ANY LIABILITY FOR PRODUCT DEFECT CLAIMS THAT ARE DUE TO THE MISUSE, IMPROPER SELECTION OR MISAPPLICATION OF THE PRODUCT. IN NO EVENT WILL EITHER PARTY BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES IN CONNECTION WITH OR ARISING OUT OF THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR INJURIES TO PERSONS OR TO PROPERTY OR LOSS OF PROFITS OR LOSS OF FUTURE BUSINESS OR REPUTATION, WHETHER BASED ON TORT OR BREACH OF CONTRACT OR OTHER BASIS, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL HOLO-KROME'S LIABILITY FOR DIRECT DAMAGES EXCEED THE PURCHASE PRICE OF THE PRODUCT.

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# HOLO-KROME®

## WHEN IT MATTERS MOST



### THE WORLD'S THIRD MOST EXPENSIVE FASTENER

The most expensive fastener anyone can buy is one that fails. The next most expensive fastener is one that saves a few pennies on price, then takes them all back by adding dollars to your installation costs. Next comes Holo-Krome precision fasteners, with greater endurance and fatigue life. Unlike fasteners of unknown origin, ours come with OVER 80 years of specialized engineering support – manufactured, tested and certified in our Wallingford, CT facility.



### *The most expensive fasteners.*

These are the failures:

- Fasteners that fail to live up to the manufacturer's or importer's claims
- Fasteners that save a few pennies initially, but end up costing hundreds, maybe even thousands of dollars in replacement costs
- Fasteners of unknown origin that don't carry a manufacturing pedigree
- Fasteners that can even cost you your priceless reputation
- Fasteners without the unmistakable Holo-Krome brand



18/82

### *The second most expensive fasteners.*

What they lack in strength, can usually be made up in numbers. So, drill more holes, use more and larger fasteners, and the chances are pretty good that everything will hold together. That is, everything but your budget. Here's why...

When determining total fastener cost, studies show that the per unit price of a given fastener only represents approximately 18% of its total in-place cost. The other 82% covers drilling, tapping, and assembly steps. The real money is saved by using fewer, stronger fasteners. So, before you buy imported or bargain priced fasteners, consider the overall cost figure, and discover where the real value lies.

### *Third most expensive fasteners – Holo-Krome.*

- Maximum available strength
- Precision 3A threads for greater clamping force
- Radius root and radius run-out threads for structural integrity
- Controlled fillets for uniform loading under the head
- Technical support to assist in solving fastening problems
- Holo-Code® stamped on socket heads as well as diameter and pitch, simplifying identification and traceability for users
- ISO 9001:2008 certified
- Inspection at controlled intervals — filing of test data for long term traceability, long term reliability



*When you consider the "less expensive", higher risk alternative, Holo-Krome is the real value.*

# Socket Head Cap Screws



**UNRC COARSE THREAD SERIES • 1960 SERIES**

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT

HOLO-CODE TRACEABLE • MEETS ASME B18.3 • MEETS ASTM A574

INCH FASTENERS

| Diameter                          | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>#2</b><br>(.086")<br>5/64" Key | 3/16"             | 56                 | <b>72002</b>        | 0.1                           | 100         |
|                                   | 1/4"              |                    | <b>72004</b>        | 0.1                           |             |
|                                   | 5/16"             |                    | <b>720000050</b>    | 0.1                           |             |
|                                   | 3/8"              |                    | <b>72006</b>        | 0.1                           |             |
|                                   | 7/16"             |                    | <b>720000070</b>    | 0.1                           |             |
|                                   | 1/2"              |                    | <b>72008</b>        | 0.2                           | 100         |
|                                   | 5/8"              |                    | <b>720000090</b>    | 0.1                           | 50          |
|                                   | 3/4"              |                    | <b>720000096</b>    | 0.1                           |             |
|                                   | 7/8"              |                    | <b>720000097</b>    | 0.1                           |             |
|                                   | 1"                |                    | <b>720000098</b>    | 0.1                           | 25          |
| <b>#3</b><br>(.099")<br>5/64" Key | 3/16"             | 48                 | <b>72010</b>        | 0.1                           | 100         |
|                                   | 1/4"              |                    | <b>72012</b>        | 0.1                           |             |
|                                   | 3/8"              |                    | <b>72014</b>        | 0.1                           |             |
|                                   | 1/2"              |                    | <b>72016</b>        | 0.2                           |             |
|                                   | 3/4"              |                    | <b>720000174</b>    | 0.1                           | 25          |
| <b>#4</b><br>(.112")<br>3/32" Key | 3/16"             | 40                 | <b>86150</b>        | 0.2                           | 100         |
|                                   | 1/4"              |                    | <b>72018</b>        | 0.2                           |             |
|                                   | 5/16"             |                    | <b>86154</b>        | 0.2                           |             |
|                                   | 3/8"              |                    | <b>72020</b>        | 0.2                           |             |
|                                   | 7/16"             |                    | <b>720000210</b>    | 0.2                           |             |
|                                   | 1/2"              |                    | <b>72022</b>        | 0.3                           |             |
|                                   | 5/8"              |                    | <b>72024</b>        | 0.3                           |             |
|                                   | 3/4"              |                    | <b>72026</b>        | 0.3                           |             |
|                                   | 7/8"              |                    | <b>86172</b>        | 0.4                           |             |
|                                   | 1"                |                    | <b>86176</b>        | 0.4                           |             |
|                                   | 1-1/4"            |                    | <b>720000270</b>    | 0.5                           |             |
| <b>#5</b><br>(.125")<br>3/32" Key | 1-1/2"            |                    | <b>720000273</b>    | 0.5                           |             |
|                                   | 1/4"              | 40                 | <b>72028</b>        | 0.2                           | 100         |
|                                   | 5/16"             |                    | <b>720000290</b>    | 0.3                           |             |
|                                   | 3/8"              |                    | <b>72030</b>        | 0.3                           |             |
|                                   | 1/2"              |                    | <b>72032</b>        | 0.3                           |             |
|                                   | 5/8"              |                    | <b>72034</b>        | 0.3                           |             |
|                                   | 3/4"              |                    | <b>72036</b>        | 0.4                           | 25          |
|                                   | 7/8"              |                    | <b>720000366</b>    | 0.1                           |             |
|                                   | 1"                |                    | <b>720000370</b>    | 0.1                           |             |
|                                   | 1-1/4"            |                    | <b>720000372</b>    | 0.2                           |             |
|                                   | 1-1/2"            |                    | <b>720000374</b>    | 0.2                           |             |
| <b>#6</b><br>(.138")<br>7/64" Key | 1/4"              | 32                 | <b>72038</b>        | 0.3                           | 100         |
|                                   | 5/16"             |                    | <b>720000390</b>    | 0.3                           |             |
|                                   | 3/8"              |                    | <b>72040</b>        | 0.3                           |             |
|                                   | 7/16"             |                    | <b>720000410</b>    | 0.4                           |             |
|                                   | 1/2"              |                    | <b>72042</b>        | 0.4                           |             |
|                                   | 5/8"              |                    | <b>72044</b>        | 0.4                           |             |
|                                   | 3/4"              |                    | <b>72046</b>        | 0.4                           |             |
|                                   | 7/8"              |                    | <b>72048</b>        | 0.5                           |             |
|                                   | 1"                |                    | <b>72050</b>        | 0.5                           |             |
|                                   | 1-1/4"            |                    | <b>86288</b>        | 0.5                           |             |
|                                   | 1-1/2"            |                    | <b>86292</b>        | 0.6                           |             |
|                                   | 1-3/4"            |                    | <b>86296</b>        | 0.7                           |             |
|                                   | 2"                |                    | <b>86300</b>        | 0.8                           |             |
| <b>#8</b><br>(.164")<br>9/64" Key | 1/4"              | 32                 | <b>72052</b>        | 0.4                           | 100         |
|                                   | 5/16"             |                    | <b>720000530</b>    | 0.5                           |             |
|                                   | 3/8"              |                    | <b>72054</b>        | 0.5                           |             |
|                                   | 7/16"             |                    | <b>720000550</b>    | 0.5                           |             |
|                                   | 1/2"              |                    | <b>72056</b>        | 0.5                           |             |
|                                   | 5/8"              |                    | <b>72058</b>        | 0.6                           |             |
|                                   | 3/4"              |                    | <b>72060</b>        | 0.7                           |             |
|                                   | 7/8"              |                    | <b>72062</b>        | 0.7                           |             |
|                                   | 1"                |                    | <b>72064</b>        | 0.8                           |             |
|                                   |                   |                    |                     |                               |             |

| Diameter                            | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>#8</b><br>(Cont.)                | 1-1/4"            | 32                 | <b>72066</b>        | 0.9                           | 100         |
|                                     | 1-1/2"            |                    | <b>72068</b>        | 1.1                           |             |
|                                     | 1-3/4"            |                    | <b>86362</b>        | 1.2                           |             |
|                                     | 2"                |                    | <b>86364</b>        | 1.2                           |             |
|                                     | 2-1/2"            |                    | <b>86368</b>        | 1.3                           |             |
|                                     |                   |                    |                     |                               |             |
| <b>#10</b><br>(.190")<br>5/32" Key  | 1/4"              | 24                 | <b>86424</b>        | 0.5                           | 100         |
|                                     | 5/16"             |                    | <b>720000700</b>    | 0.3                           | 50          |
|                                     | 3/8"              |                    | <b>72070</b>        | 0.6                           | 100         |
|                                     | 1/2"              |                    | <b>72072</b>        | 0.7                           |             |
|                                     | 5/8"              |                    | <b>72074</b>        | 0.8                           |             |
|                                     | 3/4"              |                    | <b>72076</b>        | 0.9                           |             |
|                                     | 7/8"              |                    | <b>72078</b>        | 0.9                           |             |
|                                     | 1"                |                    | <b>72080</b>        | 1.0                           |             |
|                                     | 1-1/4"            |                    | <b>72082</b>        | 1.3                           |             |
|                                     | 1-1/2"            |                    | <b>72084</b>        | 1.4                           |             |
|                                     | 1-3/4"            |                    | <b>72086</b>        | 1.6                           |             |
|                                     | 2"                |                    | <b>72088</b>        | 1.9                           |             |
|                                     | 2-1/4"            |                    | <b>86440</b>        | 2.0                           |             |
|                                     | 2-1/2"            |                    | <b>86442</b>        | 2.1                           |             |
|                                     | 2-3/4"            |                    | <b>720000891</b>    | 2.4                           |             |
|                                     | 3"                |                    | <b>720000893</b>    | 2.5                           |             |
| <b>1/4"</b><br>(.250")<br>3/16" Key | 1/4"              | 20                 | <b>86526</b>        | 0.8                           | 100         |
|                                     | 3/8"              |                    | <b>72090</b>        | 1.0                           |             |
|                                     | 1/2"              |                    | <b>72092</b>        | 1.2                           |             |
|                                     | 5/8"              |                    | <b>72094</b>        | 1.4                           |             |
|                                     | 3/4"              |                    | <b>72096</b>        | 1.5                           |             |
|                                     | 7/8"              |                    | <b>72098</b>        | 1.6                           |             |
|                                     | 1"                |                    | <b>72100</b>        | 1.8                           |             |
|                                     | 1-1/4"            |                    | <b>72102</b>        | 2.1                           |             |
|                                     | 1-1/2"            |                    | <b>72104</b>        | 2.5                           |             |
|                                     | 1-3/4"            |                    | <b>72106</b>        | 2.8                           |             |
|                                     | 2"                |                    | <b>72108</b>        | 3.0                           |             |
|                                     | 2-1/4"            |                    | <b>72110</b>        | 3.4                           |             |
|                                     | 2-1/2"            |                    | <b>72112</b>        | 3.8                           |             |
|                                     | 2-3/4"            |                    | <b>72114</b>        | 3.9                           |             |
|                                     | 3"                |                    | <b>72116</b>        | 4.3                           |             |
|                                     | 3-1/4"            |                    | <b>86576</b>        | 4.8                           |             |
|                                     | 3-1/2"            |                    | <b>72117</b>        | 5.2                           |             |
|                                     | 3-3/4"            |                    | <b>86580</b>        | 5.5                           |             |
|                                     | 4"                |                    | <b>72115</b>        | 5.7                           |             |
|                                     | 4-1/2"            |                    | <b>720001177</b>    | 3.1                           | 50          |
| <b>5/16"</b><br>(.312")<br>1/4" Key | 1/2"              | 18                 | <b>72120</b>        | 2.0                           | 100         |
|                                     | 5/8"              |                    | <b>72122</b>        | 2.3                           |             |
|                                     | 3/4"              |                    | <b>72124</b>        | 2.5                           |             |
|                                     | 7/8"              |                    | <b>72126</b>        | 2.7                           |             |
|                                     | 1"                |                    | <b>72128</b>        | 2.9                           |             |
|                                     | 1-1/4"            |                    | <b>72130</b>        | 3.4                           |             |
|                                     | 1-1/2"            |                    | <b>72132</b>        | 3.9                           |             |
|                                     | 1-3/4"            |                    | <b>72134</b>        | 4.4                           |             |
|                                     | 2"                |                    | <b>72136</b>        | 4.9                           |             |
|                                     | 2-1/4"            |                    | <b>72138</b>        | 5.4                           |             |
|                                     | 2-1/2"            |                    | <b>72140</b>        | 5.9                           |             |
|                                     | 2-3/4"            |                    | <b>72142</b>        | 6.4                           |             |
|                                     | 3"                |                    | <b>72144</b>        | 6.9                           |             |

PLEASE ORDER BY PRODUCT NUMBER CODE • MADE TO PRINT ENGINEERED SPECIALS



# Socket Head Cap Screws Cont.



**UNRC COARSE THREAD SERIES • 1960 SERIES**  
**HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT**  
**HOLO-CODE TRACEABLE • MEETS ASME B18.3 • MEETS ASTM A574**

| Diameter                            | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>5/16"</b><br>(Cont.)             | 3-1/4"            | 18                 | <b>72146</b>        | 3.7                           | 50          |
|                                     | 3-1/2"            |                    | <b>72148</b>        | 3.9                           |             |
|                                     | 3-3/4"            |                    | <b>720001491</b>    | 4.2                           |             |
|                                     | 4"                |                    | <b>86646</b>        | 4.5                           |             |
|                                     | 4-1/2"            | 5                  | <b>720001494</b>    | 0.6                           | 5           |
|                                     | 5"                |                    | <b>720001497</b>    | 0.6                           |             |
|                                     | 5-1/2"            |                    | <b>720001498</b>    | 0.7                           |             |
| <b>3/8"</b><br>(.375")<br>5/16" Key | 1/2"              | 16                 | <b>72150</b>        | 3.4                           | 100         |
|                                     | 5/8"              |                    | <b>72152</b>        | 3.8                           |             |
|                                     | 3/4"              |                    | <b>72154</b>        | 4.0                           |             |
|                                     | 7/8"              |                    | <b>72156</b>        | 4.3                           |             |
|                                     | 1"                |                    | <b>72158</b>        | 4.6                           |             |
|                                     | 1-1/4"            |                    | <b>72160</b>        | 5.2                           |             |
|                                     | 1-1/2"            |                    | <b>72162</b>        | 6.0                           |             |
|                                     | 1-3/4"            |                    | <b>72164</b>        | 3.3                           | 50          |
|                                     | 2"                | 16                 | <b>72166</b>        | 3.9                           |             |
|                                     | 2-1/4"            |                    | <b>72168</b>        | 4.3                           |             |
|                                     | 2-1/2"            |                    | <b>72170</b>        | 4.5                           |             |
|                                     | 2-3/4"            |                    | <b>72172</b>        | 4.9                           |             |
|                                     | 3"                |                    | <b>72174</b>        | 5.1                           |             |
|                                     | 3-1/4"            |                    | <b>72176</b>        | 5.4                           |             |
|                                     | 3-1/2"            |                    | <b>72178</b>        | 5.8                           |             |
|                                     | 3-3/4"            |                    | <b>720001790</b>    | 6.2                           |             |
|                                     | 4"                |                    | <b>72180</b>        | 6.6                           |             |
|                                     | 4-1/2"            |                    | <b>72182</b>        | 7.4                           |             |
| <b>7/16"</b><br>(.437")<br>3/8" Key | 5"                | 14                 | <b>72184</b>        | 8.8                           | 100         |
|                                     | 5-1/2"            |                    | <b>86688</b>        | 9.2                           |             |
|                                     | 6"                |                    | <b>72185</b>        | 9.5                           |             |
|                                     | 3/4"              |                    | <b>72190</b>        | 5.6                           |             |
|                                     | 7/8"              |                    | <b>72192</b>        | 6.0                           |             |
|                                     | 1"                |                    | <b>72194</b>        | 6.4                           |             |
|                                     | 1-1/4"            |                    | <b>72196</b>        | 3.8                           | 50          |
|                                     | 1-1/2"            |                    | <b>72198</b>        | 4.2                           |             |
|                                     | 1-3/4"            |                    | <b>72200</b>        | 4.6                           |             |
|                                     | 2"                |                    | <b>72202</b>        | 5.0                           |             |
|                                     | 2-1/4"            |                    | <b>72204</b>        | 5.5                           | 25          |
|                                     | 2-1/2"            |                    | <b>72206</b>        | 6.0                           |             |
|                                     | 2-3/4"            |                    | <b>72208</b>        | 3.3                           |             |
|                                     | 3"                |                    | <b>72210</b>        | 3.5                           |             |
| <b>1/2"</b><br>(.500")<br>3/8" Key  | 3-1/4"            | 13                 | <b>72212</b>        | 4.0                           | 50          |
|                                     | 3-1/2"            |                    | <b>72214</b>        | 4.0                           |             |
|                                     | 4"                |                    | <b>72216</b>        | 4.5                           |             |
|                                     | 4-1/2"            |                    | <b>72271</b>        | 5.0                           |             |
|                                     | 5"                |                    | <b>86724</b>        | 5.5                           |             |
|                                     | 1/2"              |                    | <b>72218</b>        | 3.7                           |             |
|                                     | 5/8"              |                    | <b>72220</b>        | 4.0                           |             |
|                                     | 3/4"              |                    | <b>72222</b>        | 4.2                           |             |
|                                     | 7/8"              |                    | <b>72224</b>        | 4.5                           |             |
|                                     | 1"                |                    | <b>72226</b>        | 4.8                           |             |
|                                     | 1-1/4"            |                    | <b>72228</b>        | 5.3                           |             |
|                                     | 1-1/2"            |                    | <b>72230</b>        | 6.3                           |             |
|                                     | 1-3/4"            |                    | <b>72232</b>        | 6.6                           |             |
|                                     | 2"                |                    | <b>72234</b>        | 7.4                           |             |

| Diameter                           | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>1/2"</b><br>(Cont.)             | 2-1/4"            | 13                 | <b>72236</b>        | 4.0                           | 25          |
|                                    | 2-1/2"            |                    | <b>72238</b>        | 4.4                           |             |
|                                    | 2-3/4"            |                    | <b>72240</b>        | 4.6                           |             |
|                                    | 3"                |                    | <b>72242</b>        | 4.9                           |             |
|                                    | 3-1/4"            |                    | <b>72244</b>        | 5.1                           |             |
|                                    | 3-1/2"            |                    | <b>72246</b>        | 6.0                           |             |
|                                    | 3-3/4"            |                    | <b>72247</b>        | 6.2                           |             |
|                                    | 4"                |                    | <b>72248</b>        | 6.3                           |             |
|                                    | 4-1/4"            |                    | <b>720002490</b>    | 2.7                           | 10          |
|                                    | 4-1/2"            |                    | <b>72250</b>        | 7.0                           | 25          |
|                                    | 4-3/4"            |                    | <b>720002510</b>    | 3.0                           | 10          |
|                                    | 5"                |                    | <b>72252</b>        | 7.9                           | 25          |
|                                    | 5-1/4"            | 13                 | <b>720002530</b>    | 3.2                           | 10          |
|                                    | 5-1/2"            |                    | <b>72254</b>        | 8.6                           | 25          |
|                                    | 5-3/4"            |                    | <b>720002551</b>    | 3.5                           | 10          |
|                                    | 6"                |                    | <b>72256</b>        | 9.3                           | 25          |
|                                    | 6-1/4"            |                    | <b>720002570</b>    | 3.8                           | 10          |
|                                    | 6-1/2"            |                    | <b>72258</b>        | 3.8                           |             |
|                                    | 7"                |                    | <b>72260</b>        | 4.0                           |             |
|                                    | 7-1/2"            |                    | <b>720002610</b>    | 4.5                           |             |
|                                    | 8"                |                    | <b>72262</b>        | 4.5                           |             |
|                                    | 8-1/2"            |                    | <b>720002622</b>    | 5.0                           |             |
| <b>5/8"</b><br>(.625")<br>1/2" Key | 9"                | 11                 | <b>720002624</b>    | 5.3                           | 25          |
|                                    | 10"               |                    | <b>720002625</b>    | 5.9                           |             |
|                                    | 11"               |                    | <b>720002627</b>    | 6.4                           |             |
|                                    | 12"               |                    | <b>720002629</b>    | 7.0                           |             |
|                                    | 1"                |                    | <b>72264</b>        | 4.3                           | 20          |
|                                    | 1-1/4"            |                    | <b>72266</b>        | 4.8                           |             |
|                                    | 1-1/2"            |                    | <b>72268</b>        | 5.3                           |             |
|                                    | 1-3/4"            |                    | <b>72270</b>        | 5.6                           |             |
|                                    | 2"                |                    | <b>72272</b>        | 6.0                           |             |
|                                    | 2-1/4"            |                    | <b>72274</b>        | 6.8                           |             |
|                                    | 2-1/2"            |                    | <b>72276</b>        | 7.3                           |             |
|                                    | 2-3/4"            |                    | <b>72278</b>        | 7.8                           |             |
|                                    | 3"                |                    | <b>72280</b>        | 8.4                           |             |
|                                    | 3-1/4"            |                    | <b>72282</b>        | 9.0                           |             |
|                                    | 3-1/2"            |                    | <b>72284</b>        | 9.5                           | 10          |
|                                    | 4"                |                    | <b>72286</b>        | 10.5                          |             |
|                                    | 4-1/2"            |                    | <b>72288</b>        | 9.5                           |             |
|                                    | 5"                |                    | <b>72290</b>        | 10.5                          |             |
|                                    | 5-1/2"            |                    | <b>72292</b>        | 5.3                           |             |
|                                    | 6"                |                    | <b>72294</b>        | 5.5                           |             |
|                                    | 6-1/2"            |                    | <b>72296</b>        | 5.9                           |             |
|                                    | 7"                |                    | <b>72298</b>        | 6.3                           |             |
|                                    | 7-1/2"            |                    | <b>720002990</b>    | 7.0                           |             |
|                                    | 8"                |                    | <b>72300</b>        | 7.0                           |             |
|                                    | 8-1/2"            |                    | <b>720003002</b>    | 7.9                           |             |
|                                    | 9"                |                    | <b>720003003</b>    | 8.3                           |             |
|                                    | 10"               |                    | <b>720003005</b>    | 9.2                           |             |
|                                    | 11"               |                    | <b>720003006</b>    | 10.0                          |             |
|                                    | 12"               |                    | <b>720003007</b>    | 10.9                          |             |

# Socket Head Cap Screws Cont.



**UNRC COARSE THREAD SERIES • 1960 SERIES**  
**HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT**  
**HOLO-CODE TRACEABLE • MEETS ASME B18.3 • MEETS ASTM A574**

| Diameter                           | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>3/4"</b><br>(.750")<br>5/8" Key | 1-1/4"            | 10                 | <b>72302</b>        | 7.1                           | 25          |
|                                    | 1-1/2"            |                    | <b>72304</b>        | 7.6                           |             |
|                                    | 1-3/4"            |                    | <b>72306</b>        | 8.4                           |             |
|                                    | 2"                |                    | <b>72308</b>        | 9.1                           |             |
|                                    | 2-1/4"            |                    | <b>72310</b>        | 9.9                           |             |
|                                    | 2-1/2"            |                    | <b>72312</b>        | 10.6                          |             |
|                                    | 2-3/4"            |                    | <b>72314</b>        | 11.4                          |             |
|                                    | 3"                |                    | <b>72316</b>        | 12.3                          |             |
|                                    | 3-1/4"            |                    | <b>72318</b>        | 13.0                          |             |
|                                    | 3-1/2"            |                    | <b>72320</b>        | 13.8                          |             |
|                                    | 3-3/4"            |                    | <b>72321</b>        | 14.8                          |             |
|                                    | 4"                |                    | <b>72322</b>        | 15.4                          |             |
|                                    | 4-1/2"            |                    | <b>72324</b>        | 14.0                          | 20          |
|                                    | 5"                |                    | <b>72326</b>        | 14.7                          |             |
|                                    | 5-1/2"            |                    | <b>72328</b>        | 7.9                           |             |
|                                    | 6"                |                    | <b>72330</b>        | 8.4                           |             |
|                                    | 6-1/2"            |                    | <b>72332</b>        | 9.0                           |             |
|                                    | 7"                |                    | <b>72334</b>        | 9.6                           |             |
|                                    | 7-1/2"            |                    | <b>720003350</b>    | 10.4                          |             |
|                                    | 8"                |                    | <b>72336</b>        | 10.8                          |             |
|                                    | 8-1/2"            |                    | <b>720003352</b>    | 11.6                          |             |
|                                    | 9"                |                    | <b>720003354</b>    | 12.2                          |             |
|                                    | 9-1/2"            |                    | <b>720003356</b>    | 12.8                          |             |
|                                    | 10"               |                    | <b>720003363</b>    | 13.5                          |             |
|                                    | 11"               |                    | <b>720003364</b>    | 14.7                          |             |
|                                    | 12"               |                    | <b>720003365</b>    | 16.0                          |             |
|                                    | 13"               |                    | <b>720003366</b>    | 17.2                          |             |
| <b>7/8"</b><br>(.875")<br>3/4" Key | 2"                | 9                  | <b>72338</b>        | 5.1                           | 10          |
|                                    | 2-1/4"            |                    | <b>72340</b>        | 5.4                           |             |
|                                    | 2-1/2"            |                    | <b>72342</b>        | 5.8                           |             |
|                                    | 2-3/4"            |                    | <b>72344</b>        | 6.2                           |             |
|                                    | 3"                |                    | <b>72346</b>        | 6.6                           |             |
|                                    | 3-1/4"            |                    | <b>72348</b>        | 7.1                           |             |
|                                    | 3-1/2"            |                    | <b>72350</b>        | 7.6                           |             |
|                                    | 4"                |                    | <b>72352</b>        | 8.4                           |             |
|                                    | 4-1/2"            |                    | <b>72354</b>        | 9.2                           |             |
|                                    | 5"                |                    | <b>72356</b>        | 10.0                          |             |
|                                    | 5-1/2"            |                    | <b>72358</b>        | 10.8                          |             |
|                                    | 6"                |                    | <b>72360</b>        | 11.6                          |             |
|                                    | 6-1/2"            |                    | <b>72362</b>        | 12.5                          |             |
|                                    | 7"                |                    | <b>72364</b>        | 13.0                          |             |
| <b>1"</b><br>(1.000")<br>3/4" Key  | 8"                |                    | <b>72366</b>        | 13.6                          |             |
|                                    | 1-1/2"            | 8                  | <b>720003677</b>    | 6.1                           | 10          |
|                                    | 1-3/4"            |                    | <b>720003678</b>    | 6.6                           |             |
|                                    | 2"                |                    | <b>72368</b>        | 7.1                           |             |
|                                    | 2-1/4"            |                    | <b>72370</b>        | 7.6                           |             |
|                                    | 2-1/2"            |                    | <b>72372</b>        | 8.1                           |             |
|                                    | 2-3/4"            |                    | <b>72374</b>        | 8.5                           |             |
|                                    | 3"                |                    | <b>72376</b>        | 9.2                           |             |
|                                    | 3-1/4"            |                    | <b>72378</b>        | 9.7                           |             |
|                                    | 3-1/2"            |                    | <b>72380</b>        | 10.3                          |             |
|                                    | 3-3/4"            |                    | <b>720003810</b>    | 10.8                          |             |
|                                    | 4"                |                    | <b>72382</b>        | 11.3                          |             |
|                                    | 4-1/2"            |                    | <b>72384</b>        | 12.4                          |             |
|                                    | 5"                |                    | <b>72386</b>        | 13.5                          |             |
|                                    | 5-1/2"            |                    | <b>72388</b>        | 14.6                          |             |

| Diameter                       | Length Under Head     | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------------------|-----------------------|--------------------|---------------------|-------------------------------|-------------|
| 1"<br>(1.000")<br>3/4" Key     | 6"                    | 8                  | 72390               | 15.8                          | 10          |
|                                | 6-1/2"                |                    | 72392               | 16.8                          |             |
|                                | 7"                    |                    | 72394               | 17.8                          |             |
|                                | 7-1/2"                |                    | 720003950           | 19.0                          |             |
|                                | 8"                    |                    | 72396               | 19.8                          |             |
|                                | 8-1/2"                |                    | 720003962           | 21.2                          |             |
|                                | 9"                    |                    | 720003964           | 22.4                          |             |
|                                | 9-1/2"                |                    | 720003966           | 12.0                          | 5           |
|                                | 10"                   |                    | 720003984           | 12.5                          |             |
|                                | 11"                   |                    | 720003985           | 14.0                          |             |
|                                | 12"                   |                    | 720003986           | 14.8                          |             |
|                                | 14"                   |                    | 720003987           | 15.3                          |             |
| 1-1/4"<br>(1.250")<br>7/8" Key | UNIFIED 2A THREAD FIT |                    |                     |                               | 1           |
|                                | 3"                    | 7                  | 72400               | 1.6                           |             |
|                                | 3-1/2"                |                    | 72402               | 1.8                           |             |
|                                | 4"                    |                    | 72404               | 2.0                           |             |
|                                | 4-1/2"                |                    | 72406               | 2.1                           |             |
|                                | 5"                    |                    | 72408               | 2.3                           |             |
|                                | 5-1/2"                |                    | 72410               | 2.4                           |             |
|                                | 6"                    |                    | 72412               | 2.6                           |             |
|                                | 6-1/2"                |                    | 72414               | 2.8                           |             |
|                                | 7"                    |                    | 72416               | 2.9                           |             |
|                                | 7-1/2"                |                    | 720004170           | 3.2                           |             |
|                                | 8"                    |                    | 72418               | 3.3                           |             |
|                                | 9"                    |                    | 72420               | 3.8                           |             |
|                                | 10"                   |                    | 72422               | 4.2                           |             |
|                                | 11"                   |                    | 72424               | 4.6                           |             |
|                                | 12"                   |                    | 720004260           | 5.0                           |             |
| 1-1/2"<br>(1.500")<br>1" Key   | UNIFIED 2A THREAD FIT |                    |                     |                               | 1           |
|                                | 3-1/2"                | 6                  | 72428               | 2.5                           |             |
|                                | 4"                    |                    | 72430               | 2.9                           |             |
|                                | 4-1/2"                |                    | 72432               | 3.0                           |             |
|                                | 5"                    |                    | 72434               | 3.3                           |             |
|                                | 5-1/2"                |                    | 72436               | 3.5                           |             |
|                                | 6"                    |                    | 72438               | 3.8                           |             |
|                                | 6-1/2"                |                    | 72440               | 4.0                           |             |
|                                | 7"                    |                    | 72442               | 4.3                           |             |
|                                | 8"                    |                    | 72444               | 4.8                           |             |
|                                | 9"                    |                    | 720004460           | 6.3                           |             |
|                                | 10"                   |                    | 720004480           | 6.8                           |             |
|                                | 12"                   |                    | 720004520           | 7.3                           |             |

# Socket Head Cap Screws Cont.



**UNRF FINE THREAD SERIES • 1960 SERIES**  
**HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT**  
**HOLO-CODE TRACEABLE • MEETS ASME B18.3 • MEETS ASTM A574**

| Diameter                            | Length Under Head | Thread Series UNRF | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>#0</b><br>(.060")<br>.050" Key   | 1/8"              | 80                 | <b>73002</b>        | 0.1                           | 100         |
|                                     | 3/16"             |                    | <b>73004</b>        | 0.1                           |             |
|                                     | 1/4"              |                    | <b>73006</b>        | 0.1                           |             |
|                                     | 3/8"              |                    | <b>73008</b>        | 0.1                           |             |
| <b>#1</b><br>(.073")<br>1/16" Key   | 1/4"              | 72                 | <b>73014</b>        | 0.1                           | 100         |
|                                     | 3/8"              |                    | <b>73016</b>        | 0.1                           |             |
| <b>#4</b><br>(.112")<br>3/32" Key   | 1/4"              | 48                 | <b>730000180</b>    | 0.1                           | 50          |
|                                     | 3/8"              |                    | <b>730000200</b>    | 0.1                           |             |
|                                     | 1/2"              |                    | <b>730000220</b>    | 0.1                           |             |
|                                     | 1"                |                    | <b>730000270</b>    | 0.1                           |             |
| <b>#6</b><br>(.138")<br>7/64" Key   | 1/4"              | 40                 | <b>73018</b>        | 0.3                           | 100         |
|                                     | 3/8"              |                    | <b>73020</b>        | 0.3                           |             |
|                                     | 1/2"              |                    | <b>73022</b>        | 0.4                           |             |
|                                     | 5/8"              |                    | <b>73024</b>        | 0.4                           |             |
|                                     | 3/4"              |                    | <b>73026</b>        | 0.4                           |             |
|                                     | 1"                |                    | <b>730000500</b>    | 0.2                           |             |
| <b>#8</b><br>(.164")<br>9/64" Key   | 1-1/4"            | 36                 | <b>730000510</b>    | 0.2                           | 25          |
|                                     | 3/8"              |                    | <b>73028</b>        | 0.5                           |             |
|                                     | 1/2"              |                    | <b>73030</b>        | 0.5                           |             |
|                                     | 3/4"              |                    | <b>73032</b>        | 0.7                           |             |
| <b>#10</b><br>(.190")<br>5/32" Key  | 1"                | 32                 | <b>730000640</b>    | 0.2                           | 100         |
|                                     | 1/4"              |                    | <b>77388</b>        | 0.5                           |             |
|                                     | 5/16"             |                    | <b>730000698</b>    | 0.6                           |             |
|                                     | 3/8"              |                    | <b>73034</b>        | 0.6                           |             |
|                                     | 1/2"              |                    | <b>73036</b>        | 0.7                           |             |
|                                     | 5/8"              |                    | <b>73038</b>        | 0.8                           |             |
|                                     | 3/4"              |                    | <b>73040</b>        | 0.9                           |             |
|                                     | 7/8"              |                    | <b>73042</b>        | 0.9                           |             |
|                                     | 1"                |                    | <b>73044</b>        | 1.0                           |             |
|                                     | 1-1/4"            |                    | <b>73046</b>        | 1.3                           |             |
|                                     | 1-1/2"            |                    | <b>73048</b>        | 1.4                           |             |
|                                     | 1-3/4"            |                    | <b>73050</b>        | 1.6                           |             |
|                                     | 2"                |                    | <b>73052</b>        | 1.9                           |             |
|                                     | 2-1/4"            |                    | <b>77440</b>        | 2.0                           |             |
|                                     | 2-1/2"            |                    | <b>77442</b>        | 2.2                           |             |
|                                     | 2-3/4"            |                    | <b>730000891</b>    | 2.3                           |             |
| <b>1/4"</b><br>(.250")<br>3/16" Key | 3"                | 28                 | <b>77446</b>        | 2.5                           | 100         |
|                                     | 1/4"              |                    | <b>77450</b>        | 0.8                           |             |
|                                     | 3/8"              |                    | <b>73054</b>        | 1.0                           |             |
|                                     | 1/2"              |                    | <b>73056</b>        | 1.2                           |             |
|                                     | 5/8"              |                    | <b>73058</b>        | 1.4                           |             |
|                                     | 3/4"              |                    | <b>73060</b>        | 1.5                           |             |
|                                     | 7/8"              |                    | <b>73062</b>        | 1.6                           |             |
|                                     | 1"                |                    | <b>73064</b>        | 1.8                           |             |
|                                     | 1-1/4"            |                    | <b>73066</b>        | 2.1                           |             |
|                                     | 1-1/2"            |                    | <b>73068</b>        | 2.5                           |             |
|                                     | 1-3/4"            |                    | <b>73070</b>        | 2.8                           |             |
|                                     | 2"                |                    | <b>73072</b>        | 3.0                           |             |
|                                     | 2-1/4"            |                    | <b>73074</b>        | 3.4                           |             |
|                                     | 2-1/2"            |                    | <b>77474</b>        | 3.8                           |             |
|                                     | 3"                |                    | <b>77478</b>        | 4.3                           |             |
|                                     | 4"                |                    | <b>77482</b>        | 5.7                           |             |

| Diameter                            | Length Under Head | Thread Series UNRF | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>5/16"</b><br>(.312")<br>1/4" Key | 1/2"              | 24                 | <b>73076</b>        | 2.0                           | 100         |
|                                     | 5/8"              |                    | <b>73078</b>        | 2.3                           |             |
|                                     | 3/4"              |                    | <b>73080</b>        | 2.5                           |             |
|                                     | 7/8"              |                    | <b>73082</b>        | 2.7                           |             |
|                                     | 1"                |                    | <b>73084</b>        | 2.9                           |             |
|                                     | 1-1/4"            |                    | <b>73086</b>        | 3.4                           |             |
|                                     | 1-1/2"            |                    | <b>73088</b>        | 3.9                           |             |
|                                     | 1-3/4"            |                    | <b>73090</b>        | 4.4                           |             |
|                                     | 2"                |                    | <b>73092</b>        | 4.9                           |             |
|                                     | 2-1/4"            |                    | <b>73094</b>        | 5.4                           |             |
|                                     | 2-1/2"            |                    | <b>73096</b>        | 5.9                           |             |
|                                     | 3"                |                    | <b>730001440</b>    | 6.9                           |             |
|                                     | 3-1/2"            |                    | <b>730001480</b>    | 3.9                           |             |
|                                     | 4"                |                    | <b>730001490</b>    | 4.5                           |             |
| <b>3/8"</b><br>(.375")<br>5/16" Key | 1/2"              | 24                 | <b>73098</b>        | 3.4                           | 100         |
|                                     | 5/8"              |                    | <b>73100</b>        | 3.8                           |             |
|                                     | 3/4"              |                    | <b>73102</b>        | 4.0                           |             |
|                                     | 7/8"              |                    | <b>73104</b>        | 4.3                           |             |
|                                     | 1"                |                    | <b>73106</b>        | 4.6                           |             |
|                                     | 1-1/4"            |                    | <b>73108</b>        | 5.2                           |             |
|                                     | 1-1/2"            |                    | <b>73110</b>        | 6.0                           |             |
|                                     | 1-3/4"            |                    | <b>73112</b>        | 3.3                           |             |
|                                     | 2"                |                    | <b>73114</b>        | 3.9                           |             |
|                                     | 2-1/4"            |                    | <b>73116</b>        | 4.3                           |             |
|                                     | 2-1/2"            |                    | <b>73118</b>        | 4.5                           |             |
|                                     | 2-3/4"            |                    | <b>73119</b>        | 4.9                           |             |
|                                     | 3"                |                    | <b>73120</b>        | 5.1                           |             |
|                                     | 3-1/2"            |                    | <b>77500</b>        | 5.8                           |             |
|                                     | 4"                |                    | <b>77504</b>        | 6.6                           |             |
|                                     | 4-1/2"            |                    | <b>730001820</b>    | 7.4                           |             |
| <b>7/16"</b><br>(.437")<br>3/8" Key | 5"                | 20                 | <b>77510</b>        | 8.8                           | 50          |
|                                     | 5-1/2"            |                    | <b>730001840</b>    | 9.2                           |             |
|                                     | 6"                |                    | <b>730001850</b>    | 9.5                           |             |
|                                     | 1"                |                    | <b>73122</b>        | 6.4                           |             |
|                                     | 1-1/4"            |                    | <b>73124</b>        | 3.8                           |             |
|                                     | 1-1/2"            |                    | <b>73126</b>        | 4.2                           |             |
|                                     | 2"                |                    | <b>73128</b>        | 5.0                           |             |
| <b>1/2"</b><br>(.500")<br>3/8" Key  | 2-1/2"            | 20                 | <b>730002060</b>    | 6.0                           | 25          |
|                                     | 3"                |                    | <b>730002080</b>    | 3.5                           |             |
|                                     | 3-1/2"            |                    | <b>730002140</b>    | 4.0                           |             |
|                                     | 3/4"              |                    | <b>730002220</b>    | 4.2                           |             |
|                                     | 1"                |                    | <b>73130</b>        | 4.8                           |             |
|                                     | 1-1/4"            |                    | <b>73132</b>        | 5.3                           |             |
|                                     | 1-1/2"            |                    | <b>73134</b>        | 6.3                           |             |
|                                     | 1-3/4"            |                    | <b>73136</b>        | 6.6                           |             |
|                                     | 2"                |                    | <b>73138</b>        | 7.4                           |             |
|                                     | 2-1/4"            |                    | <b>73140</b>        | 4.0                           |             |
|                                     | 2-1/2"            |                    | <b>73142</b>        | 4.4                           |             |
|                                     | 2-3/4"            |                    | <b>73143</b>        | 4.6                           |             |
|                                     | 3"                |                    | <b>73144</b>        | 4.9                           |             |
|                                     | 3-1/2"            |                    | <b>73145</b>        | 6.0                           |             |
|                                     | 4"                |                    | <b>77540</b>        | 6.3                           |             |
|                                     | 4-1/2"            |                    | <b>77544</b>        | 7.0                           |             |
|                                     | 5"                |                    | <b>77548</b>        | 7.9                           |             |
|                                     | 5-1/2"            |                    | <b>77552</b>        | 8.6                           |             |
|                                     | 6"                |                    | <b>77556</b>        | 9.3                           |             |

# Socket Head Cap Screws Cont.



## UNRF FINE THREAD SERIES • 1960 SERIES

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
HOLO-CODE TRACEABLE • MEETS ASME B18.3 • MEETS ASTM A574

| Diameter                           | Length Under Head | Thread Series UNRF | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>5/8"</b><br>(.625")<br>1/2" Key | 1"                | 18                 | <b>73146</b>        | 4.3                           | 25          |
|                                    | 1-1/4"            |                    | <b>73148</b>        | 4.8                           |             |
|                                    | 1-1/2"            |                    | <b>73150</b>        | 5.3                           |             |
|                                    | 1-3/4"            |                    | <b>73152</b>        | 5.6                           |             |
|                                    | 2"                |                    | <b>73154</b>        | 6.0                           |             |
|                                    | 2-1/2"            |                    | <b>73156</b>        | 7.3                           |             |
|                                    | 2-1/4"            |                    | <b>73155</b>        | 6.8                           |             |
|                                    | 2-3/4"            |                    | <b>73158</b>        | 7.8                           |             |
|                                    | 3"                |                    | <b>73160</b>        | 8.4                           |             |
|                                    | 3-1/2"            |                    | <b>73164</b>        | 9.5                           |             |
|                                    | 4"                |                    | <b>73168</b>        | 10.5                          |             |
|                                    | 4-1/2"            |                    | <b>73172</b>        | 9.5                           | 20          |
|                                    | 5"                |                    | <b>73176</b>        | 10.5                          |             |

| Diameter                           | Length Under Head | Thread Series UNRF | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------|
| <b>3/4"</b><br>(.750")<br>5/8" Key | 1-1/4"            | 16                 | <b>730003020</b>    | 7.1                           | 25          |
|                                    | 1-1/2"            |                    | <b>730003040</b>    | 7.6                           |             |
|                                    | 1-3/4"            |                    | <b>730003060</b>    | 8.0                           |             |
|                                    | 2"                |                    | <b>730003080</b>    | 9.1                           |             |
|                                    | 2-1/4"            |                    | <b>730003100</b>    | 9.9                           |             |
|                                    | 2-1/2"            |                    | <b>730003120</b>    | 10.6                          |             |
|                                    | 2-3/4"            |                    | <b>730003140</b>    | 11.4                          |             |
|                                    | 3"                |                    | <b>730003160</b>    | 12.3                          |             |
|                                    | 3-1/2"            |                    | <b>730003200</b>    | 13.8                          |             |
|                                    | 3-3/4"            |                    | <b>730003210</b>    | 14.8                          |             |
|                                    | 4"                |                    | <b>730003220</b>    | 15.4                          | 10          |
|                                    | 4-1/2"            |                    | <b>730003240</b>    | 17.1                          |             |
|                                    | 5"                |                    | <b>730003260</b>    | 18.8                          |             |
|                                    | 5-1/2"            |                    | <b>730003280</b>    | 8.0                           |             |
|                                    | 6"                |                    | <b>730003300</b>    | 8.7                           |             |
|                                    | 7"                |                    | <b>730003340</b>    | 10.0                          |             |
|                                    | 8"                |                    | <b>730003360</b>    | 11.2                          |             |

# Stainless Socket Cap Screws



## COARSE AND FINE THREAD SERIES

• NON-HEAT TREATED • PASSIVATED FINISH • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F837 CONDITION CW1

| Diameter                                     | Length Under Head | Product Number Code |      | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------------------------------------------|-------------------|---------------------|------|-------------------------------|-------------|
|                                              |                   | UNRC                | UNRF |                               |             |
| <b>#2</b><br>(.086")<br>56 UNRC<br>5/64" Key | 1/4"              | <b>78004</b>        | -    | 0.1                           | 100         |
|                                              | 3/8"              | <b>78006</b>        | -    | 0.1                           |             |
| <b>#4</b><br>(.112")<br>40 UNRC<br>3/32" Key | 3/16"             | <b>780110019</b>    | -    | 0.1                           | 100         |
|                                              | 1/4"              | <b>78010</b>        | -    | 0.2                           |             |
|                                              | 5/16"             | <b>780110031</b>    | -    | 0.1                           |             |
|                                              | 3/8"              | <b>78012</b>        | -    | 0.2                           |             |
|                                              | 7/16"             | <b>780110044</b>    | -    | 0.2                           |             |
|                                              | 1/2"              | <b>78014</b>        | -    | 0.3                           |             |
|                                              | 5/8"              | <b>780110063</b>    | -    | <b>0.2</b>                    |             |
|                                              | 3/4"              | <b>780110075</b>    | -    | 0.2                           |             |
|                                              | 7/8"              | <b>780110088</b>    | -    | 0.2                           |             |
|                                              | 1"                | <b>780110100</b>    | -    | 0.3                           |             |
|                                              | 1-1/4"            | <b>780110125</b>    | -    | 0.3                           |             |
|                                              | 1-1/2"            | <b>780110150</b>    | -    | 0.4                           |             |
| <b>#6</b><br>(.138")<br>32 UNRC<br>7/64" Key | 1/4"              | <b>78016</b>        | -    | 0.3                           | 100         |
|                                              | 5/16"             | <b>780140031</b>    | -    | 0.2                           |             |
|                                              | 3/8"              | <b>78018</b>        | -    | 0.3                           |             |
|                                              | 1/2"              | <b>78020</b>        | -    | 0.4                           |             |
|                                              | 5/8"              | <b>78022</b>        | -    | 0.4                           |             |
|                                              | 3/4"              | <b>78024</b>        | -    | 0.4                           |             |
|                                              | 7/8"              | <b>780140088</b>    | -    | 0.4                           |             |
|                                              | 1"                | <b>780140100</b>    | -    | 0.4                           |             |
|                                              | 1-1/4"            | <b>780140125</b>    | -    | 0.5                           |             |
|                                              | 1-1/2"            | <b>780140150</b>    | -    | 0.6                           |             |
|                                              | 1-3/4"            | <b>780140175</b>    | -    | 0.7                           |             |

| Diameter                                                 | Length Under Head | Product Number Code |                  | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------------------------------------------------------|-------------------|---------------------|------------------|-------------------------------|-------------|
|                                                          |                   | UNRC                | UNRF             |                               |             |
| <b>#8</b><br>(.164")<br>32 UNRC<br>9/64" Key             | 1/4"              | <b>780160025</b>    | -                | 0.3                           | 100         |
|                                                          | 5/16"             | <b>780160031</b>    | -                | 0.4                           |             |
|                                                          | 3/8"              | <b>78026</b>        | -                | 0.5                           |             |
|                                                          | 1/2"              | <b>78028</b>        | -                | 0.5                           |             |
|                                                          | 5/8"              | <b>78030</b>        | -                | 0.6                           |             |
|                                                          | 3/4"              | <b>78032</b>        | -                | 0.7                           |             |
|                                                          | 7/8"              | <b>780160088</b>    | -                | 0.6                           |             |
|                                                          | 1"                | <b>78034</b>        | -                | 0.8                           |             |
|                                                          | 1-1/4"            | <b>780160125</b>    | -                | 0.8                           |             |
|                                                          | 1-1/2"            | <b>780160150</b>    | -                | 0.9                           |             |
|                                                          | 1-3/4"            | <b>780160175</b>    | -                | 1.0                           |             |
|                                                          | 2"                | <b>780160200</b>    | -                | 1.2                           |             |
|                                                          | 2-1/2"            | <b>780160250</b>    | -                | 1.5                           |             |
| <b>#10</b><br>(.190")<br>24 UNRC<br>32 UNRF<br>5/32" Key | 1/4"              | <b>780190025</b>    | <b>790190025</b> | 0.4                           | 100         |
|                                                          | 5/16"             | <b>780190031</b>    | <b>790190031</b> | 0.6                           |             |
|                                                          | 3/8"              | <b>78036</b>        | <b>79018</b>     | 0.6                           |             |
|                                                          | 1/2"              | <b>78038</b>        | <b>79020</b>     | 0.7                           |             |
|                                                          | 5/8"              | <b>78040</b>        | <b>79022</b>     | 0.8                           |             |
|                                                          | 3/4"              | <b>78042</b>        | <b>79024</b>     | 0.9                           |             |
|                                                          | 7/8"              | <b>78044</b>        | <b>790190088</b> | 0.9                           |             |
|                                                          | 1"                | <b>780190100</b>    | <b>79028</b>     | 0.9                           |             |
|                                                          | 1-1/4"            | <b>780190125</b>    | <b>79030</b>     | 1.1                           |             |
|                                                          | 1-1/2"            | <b>780190150</b>    | <b>79032</b>     | 1.2                           |             |
|                                                          | 1-3/4"            | <b>780190175</b>    | <b>790190175</b> | 1.4                           |             |
|                                                          | 2"                | <b>780190200</b>    | <b>790190200</b> | 1.6                           |             |
|                                                          | 2-1/4"            | <b>780190225</b>    | <b>790190225</b> | 1.8                           |             |
|                                                          | 3"                | -                   | <b>790190300</b> | 2.5                           |             |

# Stainless Socket Cap Screws Cont.



## COARSE AND FINE THREAD SERIES

• NON-HEAT TREATED • PASSIVATED FINISH • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F837 CONDITION CW1

| Diameter                                                  | Length Under Head | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------------------------------------------------|-------------------|---------------------|--------------|-------------------------------|-------------|
|                                                           |                   | UNRC                | UNRF         |                               |             |
| <b>1/4"</b><br>(.250")<br>20 UNRC<br>28 UNRF<br>3/16" Key | 3/8"              | <b>78052</b>        | -            | 1.0                           | 100         |
|                                                           | 1/2"              | <b>78054</b>        | -            | 1.2                           |             |
|                                                           | 5/8"              | <b>78056</b>        | <b>79036</b> | 1.4                           |             |
|                                                           | 3/4"              | <b>78058</b>        | <b>79038</b> | 1.5                           |             |
|                                                           | 7/8"              | <b>78060</b>        | -            | 1.6                           |             |
|                                                           | 1"                | <b>78062</b>        | <b>79040</b> | 1.8                           |             |
|                                                           | 1-1/4"            | <b>78064</b>        | -            | 2.1                           |             |
|                                                           | 1-1/2"            | <b>78066</b>        | -            | 2.5                           |             |
|                                                           | 1-3/4"            | <b>78068</b>        | -            | 2.8                           |             |
| <b>5/16"</b><br>(.312")<br>18 UNRC<br>1/4" Key            | 2"                | <b>78070</b>        | -            | 3.0                           | 100         |
|                                                           | 1/2"              | <b>78072</b>        | -            | 2.0                           |             |
|                                                           | 3/4"              | <b>78076</b>        | -            | 2.5                           |             |
|                                                           | 7/8"              | <b>78078</b>        | -            | 2.7                           |             |
|                                                           | 1"                | <b>78080</b>        | -            | 2.9                           |             |
|                                                           | 1-1/4"            | <b>78082</b>        | -            | 3.4                           |             |
|                                                           | 1-1/2"            | <b>78084</b>        | -            | 3.9                           |             |
|                                                           | 2"                | <b>78088</b>        | -            | 4.9                           |             |

| Diameter                                       | Length Under Head | Product Number Code |      | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------------------|-------------------|---------------------|------|-------------------------------|-------------|
|                                                |                   | UNRC                | UNRF |                               |             |
| <b>3/8"</b><br>(.375")<br>16 UNRC<br>5/16" Key | 1/2"              | <b>78090</b>        | -    | 3.4                           | 100         |
|                                                | 5/8"              | <b>78092</b>        | -    | 3.8                           |             |
|                                                | 3/4"              | <b>78094</b>        | -    | 4.0                           |             |
|                                                | 1"                | <b>78098</b>        | -    | 4.6                           |             |
|                                                | 1-1/4"            | <b>78100</b>        | -    | 5.2                           |             |
|                                                | 1-1/2"            | <b>78102</b>        | -    | 6.0                           |             |
|                                                | 1-3/4"            | <b>78104</b>        | -    | 3.3                           |             |
|                                                | 2"                | <b>78106</b>        | -    | 3.9                           |             |
|                                                | 2-1/2"            | <b>78108</b>        | -    | 4.5                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNRC<br>3/8" Key  | 1"                | <b>78112</b>        | -    | 4.8                           | 50          |
|                                                | 1-1/4"            | <b>78114</b>        | -    | 5.3                           |             |
|                                                | 1-1/2"            | <b>78116</b>        | -    | 6.3                           |             |
|                                                | 1-3/4"            | <b>78118</b>        | -    | 6.6                           |             |
|                                                | 2"                | <b>78120</b>        | -    | 7.4                           |             |

# Socket Low Head Cap Screws



## COARSE AND FINE THREAD SERIES

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3

| Diameter                                                                     | Length Under Head | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------------------------------------------------|-------------------|---------------------|--------------|-------------------------------|-------------|
|                                                                              |                   | UNRC                | UNRF         |                               |             |
| <b>#8</b><br>(.164")<br>32 UNRC<br>5/64" Key<br>Head Height .082             | 3/8"              | <b>68002</b>        | -            | 0.3                           | 100         |
|                                                                              | 1/2"              | <b>68004</b>        | -            | 0.3                           |             |
|                                                                              | 3/4"              | <b>68008</b>        | -            | 0.5                           |             |
|                                                                              | 1"                | <b>68010</b>        | -            | 0.7                           |             |
| <b>#10</b><br>(.190")<br>24 UNRC<br>32 UNRF<br>3/32" Key<br>Head Height .095 | 3/8"              | <b>68012</b>        | <b>69002</b> | 0.4                           | 100         |
|                                                                              | 1/2"              | <b>68014</b>        | <b>69004</b> | 0.5                           |             |
|                                                                              | 5/8"              | -                   | <b>69006</b> | 0.6                           |             |
|                                                                              | 3/4"              | <b>68018</b>        | <b>69008</b> | 0.7                           |             |
| <b>1/4"</b><br>(.250")<br>20 UNRC<br>1/8" Key<br>Head Height .125            | 3/8"              | <b>68022</b>        | -            | 0.7                           | 100         |
|                                                                              | 1/2"              | <b>68024</b>        | -            | 0.8                           |             |
|                                                                              | 5/8"              | <b>68026</b>        | -            | 1.1                           |             |
|                                                                              | 3/4"              | <b>68028</b>        | -            | 1.2                           |             |
|                                                                              | 1"                | <b>68030</b>        | -            | 1.3                           |             |

| Diameter                                                            | Length Under Head | Product Number Code |      | Approx. Weight per Box (lbs.) | Qty. in Box |
|---------------------------------------------------------------------|-------------------|---------------------|------|-------------------------------|-------------|
|                                                                     |                   | UNRC                | UNRF |                               |             |
| <b>5/16"</b><br>(.312")<br>18 UNRC<br>5/32" Key<br>Head Height .156 | 1/2"              | <b>68032</b>        | -    | 1.4                           | 100         |
|                                                                     | 3/4"              | <b>68034</b>        | -    | 1.8                           |             |
|                                                                     | 1"                | <b>68036</b>        | -    | 2.2                           |             |
|                                                                     | 1-1/4"            | <b>68038</b>        | -    | 2.8                           |             |
|                                                                     | 1-1/2"            | <b>68040</b>        | -    | 3.3                           |             |
| <b>3/8"</b><br>(.375")<br>16 UNRC<br>3/16" Key<br>Head Height .187  | 1/2"              | <b>68042</b>        | -    | 2.2                           | 100         |
|                                                                     | 3/4"              | <b>68044</b>        | -    | 2.8                           |             |
|                                                                     | 1"                | <b>68046</b>        | -    | 3.5                           |             |
|                                                                     | 1-1/4"            | <b>68048</b>        | -    | 4.2                           |             |
|                                                                     | 1-1/2"            | <b>68050</b>        | -    | 5.0                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNRC<br>1/4" Key<br>Head Height .250   | 1"                | <b>68052</b>        | -    | 3.7                           | 50          |
|                                                                     | 1-1/4"            | <b>68054</b>        | -    | 4.1                           |             |
|                                                                     | 1-1/2"            | <b>68056</b>        | -    | 4.7                           |             |

# Socket Flat Head Cap Screws



**COARSE AND FINE THREAD SERIES**  
HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F835

| Diameter                                                   | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                            |                | UNRC                | UNRF         |                               |             |
| <b>#4</b><br>(.112")<br>40 UNRC<br>1/16" Key               | 1/4"           | <b>60002</b>        | -            | 0.1                           | 100         |
|                                                            | 3/8"           | <b>60004</b>        | -            | 0.2                           |             |
|                                                            | 1/2"           | <b>60006</b>        | -            | 0.2                           |             |
|                                                            | 5/8"           | <b>60008</b>        | -            | 0.2                           |             |
|                                                            | 3/4"           | <b>60010</b>        | -            | 0.3                           |             |
| <b>#5</b><br>(.125")<br>40 UNRC<br>5/64" Key               | 1/4"           | <b>60012</b>        | -            | 0.1                           | 100         |
|                                                            | 3/8"           | <b>60014</b>        | -            | 0.2                           |             |
|                                                            | 1/2"           | <b>60016</b>        | -            | 0.2                           |             |
|                                                            | 5/8"           | <b>60018</b>        | -            | 0.3                           |             |
|                                                            | 3/4"           | <b>60020</b>        | -            | 0.3                           |             |
| <b>#6</b><br>(.138")<br>32 UNRC<br>5/64" Key               | 1/4"           | <b>60022</b>        | -            | 0.2                           | 100         |
|                                                            | 3/8"           | <b>60024</b>        | -            | 0.2                           |             |
|                                                            | 1/2"           | <b>60026</b>        | -            | 0.3                           |             |
|                                                            | 5/8"           | <b>60028</b>        | -            | 0.3                           |             |
|                                                            | 3/4"           | <b>60030</b>        | -            | 0.3                           |             |
| <b>#8</b><br>(.164")<br>32 UNRC<br>3/32" Key               | 3/8"           | <b>60032</b>        | -            | 0.3                           | 100         |
|                                                            | 1/2"           | <b>60034</b>        | -            | 0.3                           |             |
|                                                            | 5/8"           | <b>60036</b>        | -            | 0.4                           |             |
|                                                            | 3/4"           | <b>60038</b>        | -            | 0.5                           |             |
|                                                            | 1"             | <b>60040</b>        | -            | 0.6                           |             |
| <b>#10</b><br>(.190")<br>24 UNRC<br>32 UNRF<br>1/8" Key    | 3/8"           | <b>60042</b>        | <b>61002</b> | 4.0                           | 100         |
|                                                            | 1/2"           | <b>60044</b>        | <b>61004</b> | 0.5                           |             |
|                                                            | 5/8"           | <b>60046</b>        | <b>61006</b> | 0.6                           |             |
|                                                            | 3/4"           | <b>60048</b>        | <b>61008</b> | 0.6                           |             |
|                                                            | 1"             | <b>60050</b>        | <b>61010</b> | 0.8                           |             |
|                                                            | 1-1/4"         | <b>60052</b>        | <b>61012</b> | 1.0                           |             |
|                                                            | 1-1/2"         | <b>60054</b>        | <b>61014</b> | 1.2                           |             |
| <b>1/4"</b><br>(.250")<br>20 UNRC<br>28 UNRF<br>5/32" Key  | 3/8"           | <b>60056</b>        | <b>61016</b> | 0.8                           | 100         |
|                                                            | 1/2"           | <b>60058</b>        | <b>61018</b> | 0.9                           |             |
|                                                            | 5/8"           | <b>60060</b>        | <b>61020</b> | 1.0                           |             |
|                                                            | 3/4"           | <b>60062</b>        | <b>61022</b> | 1.2                           |             |
|                                                            | 1"             | <b>60064</b>        | <b>61024</b> | 1.4                           |             |
|                                                            | 1-1/4"         | <b>60066</b>        | <b>61026</b> | 1.7                           |             |
|                                                            | 1-1/2"         | <b>60068</b>        | <b>61028</b> | 2.1                           |             |
|                                                            | 1-3/4"         | <b>60070</b>        | -            | 2.5                           |             |
| <b>5/16"</b><br>(.312")<br>18 UNRC<br>24 UNRF<br>3/16" Key | 2"             | <b>60072</b>        | -            | 2.8                           | 100         |
|                                                            | 1/2"           | <b>60074</b>        | <b>61030</b> | 1.6                           |             |
|                                                            | 5/8"           | <b>60076</b>        | <b>61032</b> | 1.7                           |             |
|                                                            | 3/4"           | <b>60078</b>        | <b>61034</b> | 2.0                           |             |
|                                                            | 1"             | <b>60080</b>        | <b>61036</b> | 2.4                           |             |
|                                                            | 1-1/4"         | <b>60082</b>        | <b>61038</b> | 2.9                           |             |
|                                                            | 1-1/2"         | <b>60084</b>        | -            | 3.4                           |             |
|                                                            | 1-3/4"         | <b>60086</b>        | -            | 4.0                           |             |
|                                                            | 2"             | <b>60088</b>        | -            | 4.5                           |             |
|                                                            | 2-1/4"         | <b>60090</b>        | -            | 5.1                           |             |
|                                                            | 2-1/2"         | <b>60092</b>        | -            | 5.5                           |             |

| Diameter                                                  | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                           |                | UNRC                | UNRF         |                               |             |
| <b>3/8"</b><br>(.375")<br>16 UNRC<br>24 UNRF<br>7/32" Key | 5/8"           | <b>60096</b>        | <b>61040</b> | 2.8                           | 100         |
|                                                           | 3/4"           | <b>60098</b>        | <b>61042</b> | 3.0                           |             |
|                                                           | 1"             | <b>60100</b>        | <b>61044</b> | 3.8                           |             |
|                                                           | 1-1/4"         | <b>60102</b>        | <b>61046</b> | 4.5                           |             |
|                                                           | 1-1/2"         | <b>60104</b>        | <b>61048</b> | 5.0                           |             |
|                                                           | 1-3/4"         | <b>60106</b>        | -            | 3.0                           |             |
|                                                           | 2"             | <b>60108</b>        | -            | 3.5                           |             |
|                                                           | 2-1/4"         | <b>60110</b>        | -            | 3.8                           |             |
| <b>7/16"</b><br>(.437")<br>14 UNRC<br>1/4" Key            | 2-1/2"         | <b>60112</b>        | -            | 4.2                           | 50          |
|                                                           | 3"             | <b>60114</b>        | -            | 4.9                           |             |
|                                                           | 3/4"           | <b>60116</b>        | -            | 3.8                           | 100         |
|                                                           | 1"             | <b>60118</b>        | -            | 4.8                           |             |
|                                                           | 1-1/4"         | <b>60120</b>        | -            | 2.8                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNRC<br>20 UNRF<br>5/16" Key | 1-1/2"         | <b>60122</b>        | -            | 3.4                           | 50          |
|                                                           | 3/4"           | <b>60124</b>        | <b>61050</b> | 2.4                           |             |
|                                                           | 1"             | <b>60126</b>        | <b>61052</b> | 3.0                           |             |
|                                                           | 1-1/4"         | <b>60128</b>        | <b>61054</b> | 3.8                           |             |
|                                                           | 1-1/2"         | <b>60130</b>        | <b>61056</b> | 4.4                           |             |
|                                                           | 1-3/4"         | <b>60132</b>        | <b>61058</b> | 4.9                           |             |
|                                                           | 2"             | <b>60134</b>        | <b>61060</b> | 5.5                           |             |
|                                                           | 2-1/4"         | <b>60136</b>        | -            | 3.3                           | 25          |
| <b>5/8"</b><br>(.625")<br>11 UNRC<br>3/8" Key             | 2-1/2"         | <b>60138</b>        | -            | 3.6                           |             |
|                                                           | 3"             | <b>60140</b>        | -            | 4.4                           |             |
|                                                           | 1-1/4"         | <b>60142</b>        | -            | 3.3                           | 25          |
|                                                           | 1-1/2"         | <b>60144</b>        | -            | 3.8                           |             |
|                                                           | 1-3/4"         | <b>60146</b>        | -            | 4.3                           |             |
|                                                           | 2"             | <b>60148</b>        | -            | 4.7                           |             |
| <b>3/4"</b><br>(.750")<br>10 UNRC<br>1/2" Key             | 2-1/4"         | <b>60150</b>        | -            | 5.1                           |             |
|                                                           | 2-1/2"         | <b>60152</b>        | -            | 5.6                           |             |
|                                                           | 3"             | <b>60154</b>        | -            | 6.8                           |             |
|                                                           | 1-1/2"         | <b>60158</b>        | -            | 5.8                           | 25          |
|                                                           | 1-3/4"         | <b>60160</b>        | -            | 6.5                           |             |
|                                                           | 2"             | <b>60162</b>        | -            | 7.3                           |             |
|                                                           | 2-1/2"         | <b>60166</b>        | -            | 8.3                           |             |
|                                                           | 3"             | <b>60168</b>        | -            | 9.8                           |             |

# Socket Button Head Cap Screws



## COARSE AND FINE THREAD SERIES

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F835

| Diameter                                         | Length Under Head | Product Number Code |           | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------------------------------------|-------------------|---------------------|-----------|-------------------------------|-------------|
|                                                  |                   | UNRC                | UNRF      |                               |             |
| #4<br>(.112")<br>40 UNRC<br>1/16" Key            | 3/16              | 640000010           | -         | 0.1                           | 100         |
|                                                  | 1/4"              | 64002               | -         | 0.1                           |             |
|                                                  | 5/16              | 640000030           | -         | 0.1                           |             |
|                                                  | 3/8"              | 64004               | -         | 0.2                           |             |
|                                                  | 1/2"              | 64006               | -         | 0.2                           |             |
|                                                  | 5/8               | 640000072           | -         | 0.1                           | 50          |
|                                                  | 3/4               | 640000074           | -         | 0.1                           |             |
|                                                  | 7/8               | 640000076           | -         | 0.1                           |             |
|                                                  | 1                 | 640000078           | -         | 0.1                           |             |
| #5<br>(.125")<br>40 UNRC<br>5/64" Key            | 1/4               | 640010280           | -         | 0.2                           | 100         |
|                                                  | 3/8               | 640010300           | -         | 0.1                           | 50          |
|                                                  | 1/2               | 640010320           | -         | 0.1                           |             |
| #6<br>(.138")<br>32 UNRC<br>5/64" Key            | 1/4"              | 64008               | -         | 0.2                           | 100         |
|                                                  | 5/16              | 640000090           | -         | 0.1                           | 50          |
|                                                  | 3/8"              | 64010               | -         | 0.2                           | 100         |
|                                                  | 1/2"              | 64012               | -         | 0.3                           |             |
|                                                  | 5/8"              | 64014               | -         | 0.3                           |             |
|                                                  | 3/4               | 640010460           | -         | 0.2                           | 50          |
|                                                  | 7/8               | 640010480           | -         | 0.2                           |             |
|                                                  | 1                 | 640010500           | -         | 0.3                           |             |
|                                                  | 1-1/4             | 640010505           | -         | 0.2                           | 25          |
|                                                  | 1-1/2             | 640010508           | -         | 0.2                           |             |
| #8<br>(.164")<br>32 UNRC<br>3/32" Key            | 1/4"              | 64016               | -         | 0.3                           | 100         |
|                                                  | 5/16              | 640000170           | -         | 0.3                           |             |
|                                                  | 3/8"              | 64018               | -         | 0.3                           |             |
|                                                  | 1/2"              | 64020               | -         | 0.4                           |             |
|                                                  | 5/8"              | 64022               | -         | 0.4                           |             |
|                                                  | 3/4"              | 64024               | -         | 0.5                           |             |
| #10<br>(.190")<br>24 UNRC<br>32 UNRF<br>1/8" Key | 1"                | 88348               | -         | 0.7                           | 100         |
|                                                  | 1/4"              | 64026               | 65002     | 0.4                           |             |
|                                                  | 5/16              |                     | 650000270 | 0.1                           |             |
|                                                  | 3/8"              | 64028               | 65004     | 0.4                           |             |
|                                                  | 1/2"              | 64030               | 65006     | 0.5                           |             |
|                                                  | 5/8"              | 64032               | 65008     | 0.6                           |             |
|                                                  | 3/4"              | 64034               | 65010     | 0.7                           |             |
|                                                  | 7/8"              | 64036               | 65012     | 0.4                           |             |
| #10<br>(.190")<br>24 UNRC<br>32 UNRF<br>1/8" Key | 1"                | 64038               | 65014     | 0.4                           | 50          |

| Diameter                                            | Length Under Head | Product Number Code |           | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------------------------------------------|-------------------|---------------------|-----------|-------------------------------|-------------|
|                                                     |                   | UNRC                | UNRF      |                               |             |
| 1/4"<br>(.250")<br>20 UNRC<br>28 UNRF<br>5/32" Key  | 1/4               |                     | 650000392 | 0.2                           | 25          |
|                                                     | 3/8"              | 64040               | 65016     | 0.8                           | 100         |
|                                                     | 1/2"              | 64042               | 65018     | 0.8                           |             |
|                                                     | 5/8"              | 64044               | 65020     | 0.9                           |             |
|                                                     | 3/4"              | 64046               | 65022     | 1.1                           |             |
|                                                     | 7/8"              | 64048               | -         | 0.6                           | 50          |
|                                                     | 1"                | 64050               | 65024     | 0.7                           |             |
| 5/16"<br>(.312")<br>18 UNRC<br>24 UNRF<br>3/16" Key | 3/8"              | 64052               | 65026     | 1.1                           | 100         |
|                                                     | 1/2"              | 64054               | 65028     | 1.4                           |             |
|                                                     | 5/8"              | 64056               | 65030     | 1.6                           |             |
|                                                     | 3/4"              | 64058               | 65032     | 1.8                           |             |
|                                                     | 7/8"              | 64060               | -         | 1.0                           | 50          |
| 3/8"<br>(.375")<br>16 UNRC<br>24 UNRF<br>7/32" Key  | 1"                | 64062               | 65034     | 1.1                           |             |
|                                                     | 1/2"              | 64064               | 65036     | 1.1                           | 50          |
|                                                     | 5/8"              | 64066               | -         | 1.2                           |             |
|                                                     | 3/4"              | 64068               | 65037     | 2.5                           |             |
|                                                     | 7/8"              | 64070               | -         | 1.5                           |             |
|                                                     | 1"                | 64072               | 65038     | 1.6                           |             |
| 1/2"<br>(.500")<br>13 UNRC<br>5/16" Key             | 1-1/4"            | 64074               | -         | 2.0                           | 25          |
|                                                     | 1"                | 64076               | -         | 1.7                           |             |
|                                                     | 1-1/4"            | 64078               | -         | 2.0                           |             |
|                                                     | 1-1/2"            | 64080               | -         | 2.3                           |             |
| 5/8"<br>(.625")<br>11 UNRC<br>3/8" Key              | 2"                | 64082               | -         | 3.0                           | 25          |
|                                                     | 1"                | 64084               | -         | 2.9                           |             |
|                                                     | 1-1/4"            | 64086               | -         | 3.3                           |             |
|                                                     | 1-1/2"            | 64088               | -         | 3.8                           |             |
|                                                     | 2"                | 64090               | -         | 4.8                           |             |

## Holo-Krome® Socket Screw Selector



These socket screw selectors are available in inch and metric for your fastener design needs.

Socket Selector  
Part numbers:  
SAE: 99013  
Metric: 99014

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1-800-879-6205 to order.

# Socket Set Screws

## COARSE & FINE THREAD SERIES

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F912

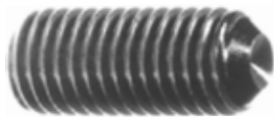


### CUP POINT

| Diameter                                               | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                        |                | UNC                 | UNF          |                               |             |
| <b>#4</b><br>(.112")<br>40 UNC<br>48 UNF<br>.050" Key  | 1/8"           | <b>32020</b>        | <b>33020</b> | 0.1                           | 100         |
|                                                        | 3/16"          | <b>32022</b>        | <b>33022</b> | 0.1                           |             |
|                                                        | 1/4"           | <b>32024</b>        | <b>33024</b> | 0.1                           |             |
|                                                        | 5/16"          | <b>32026</b>        | -            | 0.1                           |             |
|                                                        | 3/8"           | <b>32028</b>        | -            | 0.1                           |             |
|                                                        | 1/2"           | <b>32030</b>        | -            | 0.1                           |             |
|                                                        | 5/8"           | <b>32032</b>        | -            | 0.2                           |             |
| <b>#5</b><br>(.125")<br>40 UNC<br>44 UNF<br>1/16" Key  | 1/8"           | <b>32034</b>        | <b>33026</b> | 0.1                           | 100         |
|                                                        | 3/16"          | <b>32036</b>        | -            | 0.1                           |             |
|                                                        | 1/4"           | <b>32038</b>        | -            | 0.1                           |             |
|                                                        | 5/16"          | <b>32040</b>        | -            | 0.1                           |             |
|                                                        | 3/8"           | <b>32042</b>        | -            | 0.1                           |             |
|                                                        | 1/2"           | <b>32044</b>        | -            | 0.2                           |             |
|                                                        | 5/8"           | <b>32046</b>        | -            | 0.2                           |             |
| <b>#6</b><br>(.138")<br>32 UNC<br>40 UNF<br>1/16" Key  | 1/8"           | <b>32050</b>        | <b>33032</b> | 0.1                           | 100         |
|                                                        | 3/16"          | <b>32052</b>        | <b>33034</b> | 0.1                           |             |
|                                                        | 1/4"           | <b>32054</b>        | <b>33036</b> | 0.1                           |             |
|                                                        | 5/16"          | <b>32056</b>        | -            | 0.1                           |             |
|                                                        | 3/8"           | <b>32058</b>        | <b>33040</b> | 0.1                           |             |
|                                                        | 1/2"           | <b>32060</b>        | -            | 0.2                           |             |
|                                                        | 5/8"           | <b>32062</b>        | -            | 0.2                           |             |
| <b>#8</b><br>(.164")<br>32 UNC<br>36 UNF<br>5/64" Key  | 3/4"           | <b>32064</b>        | -            | 0.3                           | 100         |
|                                                        | 7/8"           | <b>32066</b>        | -            | 0.3                           |             |
|                                                        | 1"             | <b>32068</b>        | -            | 0.4                           |             |
|                                                        | 1/8"           | <b>32070</b>        | <b>33042</b> | 0.1                           |             |
|                                                        | 3/16"          | <b>32072</b>        | <b>33044</b> | 0.1                           |             |
|                                                        | 1/4"           | <b>32074</b>        | <b>33046</b> | 0.1                           |             |
|                                                        | 5/16"          | <b>32076</b>        | -            | 0.2                           |             |
| <b>#10</b><br>(.190")<br>24 UNC<br>32 UNF<br>3/32" Key | 3/8"           | <b>32078</b>        | <b>33050</b> | 0.2                           | 100         |
|                                                        | 7/16"          | <b>32080</b>        | -            | 0.2                           |             |
|                                                        | 1/2"           | <b>32082</b>        | -            | 0.2                           |             |
|                                                        | 5/8"           | <b>32084</b>        | -            | 0.3                           |             |
|                                                        | 3/4"           | <b>32086</b>        | -            | 0.3                           |             |
|                                                        | 7/8"           | <b>32088</b>        | -            | 0.4                           |             |
|                                                        | 1"             | <b>32090</b>        | -            | 0.5                           |             |
| <b>#10</b><br>(.190")<br>24 UNC<br>32 UNF<br>3/32" Key | 3/16"          | <b>32092</b>        | <b>33054</b> | 0.1                           | 100         |
|                                                        | 1/4"           | <b>32094</b>        | <b>33056</b> | 0.1                           |             |
|                                                        | 5/16"          | <b>32096</b>        | <b>33058</b> | 0.2                           |             |
|                                                        | 3/8"           | <b>32098</b>        | <b>33060</b> | 0.3                           |             |
|                                                        | 1/2"           | <b>32100</b>        | <b>33062</b> | 0.3                           |             |
|                                                        | 5/8"           | <b>32102</b>        | <b>33064</b> | 0.3                           |             |
|                                                        | 3/4"           | <b>32104</b>        | <b>33066</b> | 0.4                           |             |
| <b>1/4"</b><br>(.250")<br>20 UNC<br>28 UNF<br>1/8" Key | 7/8"           | <b>32106</b>        | -            | 0.4                           | 100         |
|                                                        | 1"             | <b>32108</b>        | <b>33068</b> | 0.5                           |             |
|                                                        | 1-1/4"         | <b>32110</b>        | <b>33070</b> | 0.6                           |             |
|                                                        | 3/16"          | <b>32112</b>        | <b>33072</b> | 0.3                           |             |
|                                                        | 1/4"           | <b>32114</b>        | <b>33074</b> | 0.3                           |             |
|                                                        | 5/16"          | <b>32116</b>        | <b>33076</b> | 0.3                           |             |
|                                                        | 3/8"           | <b>32118</b>        | <b>33078</b> | 0.4                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF<br>1/4" Key | 1/2"           | <b>32120</b>        | <b>33080</b> | 0.5                           | 100         |
|                                                        | 3/16"          | <b>32112</b>        | <b>33072</b> | 0.3                           |             |
|                                                        | 1/4"           | <b>32114</b>        | <b>33074</b> | 0.3                           |             |
|                                                        | 5/16"          | <b>32116</b>        | <b>33076</b> | 0.3                           |             |
|                                                        | 3/8"           | <b>32118</b>        | <b>33078</b> | 0.4                           |             |
|                                                        | 1/2"           | <b>32120</b>        | <b>33080</b> | 0.5                           |             |
|                                                        | 1-1/4"         | <b>32110</b>        | <b>33070</b> | 0.6                           |             |

| Diameter                                                 | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                          |                | UNC                 | UNF          |                               |             |
| <b>1/4"</b><br>(Cont.)                                   | 5/8"           | <b>32122</b>        | <b>33082</b> | 0.6                           | 100         |
|                                                          | 3/4"           | <b>32124</b>        | <b>33084</b> | 0.8                           |             |
|                                                          | 7/8"           | <b>32126</b>        | -            | 0.9                           |             |
|                                                          | 1"             | <b>32128</b>        | <b>33086</b> | 1.0                           |             |
|                                                          | 1-1/4"         | <b>32130</b>        | <b>33088</b> | 1.3                           |             |
|                                                          | 1-1/2"         | <b>32132</b>        | -            | 1.6                           |             |
|                                                          | 1-3/4"         | <b>32134</b>        | -            | 0.9                           |             |
| <b>5/16"</b><br>(.312")<br>18 UNC<br>24 UNF<br>5/32" Key | 2"             | <b>32136</b>        | -            | 1.0                           | 100         |
|                                                          | 1/4"           | <b>32138</b>        | <b>33090</b> | 0.4                           |             |
|                                                          | 5/16"          | <b>32140</b>        | <b>33092</b> | 0.4                           |             |
|                                                          | 3/8"           | <b>32142</b>        | <b>33094</b> | 0.5                           |             |
|                                                          | 1/2"           | <b>32146</b>        | <b>33096</b> | 0.8                           |             |
|                                                          | 5/8"           | <b>32148</b>        | <b>33098</b> | 1.0                           |             |
|                                                          | 3/4"           | <b>32150</b>        | <b>33100</b> | 1.2                           |             |
| <b>3/8"</b><br>(.375")<br>16 UNC<br>24 UNF<br>3/16" Key  | 7/8"           | <b>32152</b>        | -            | 1.4                           | 100         |
|                                                          | 1"             | <b>32154</b>        | <b>33102</b> | 1.7                           |             |
|                                                          | 1-1/4"         | <b>32156</b>        | -            | 2.0                           |             |
|                                                          | 1-1/2"         | <b>32158</b>        | -            | 2.4                           |             |
|                                                          | 1-3/4"         | <b>32160</b>        | -            | 1.3                           |             |
|                                                          | 2"             | <b>32162</b>        | -            | 1.4                           |             |
|                                                          | 1/4"           | <b>32164</b>        | <b>33104</b> | 0.7                           | 100         |
| <b>7/16"</b><br>(.437")<br>14 UNC<br>20 UNF<br>7/32" Key | 3/8"           | <b>32168</b>        | <b>33106</b> | 0.9                           |             |
|                                                          | 7/16"          | <b>32170</b>        | -            | 1.0                           |             |
|                                                          | 1/2"           | <b>32172</b>        | <b>33108</b> | 1.1                           |             |
|                                                          | 5/8"           | <b>32174</b>        | <b>33110</b> | 1.3                           |             |
|                                                          | 3/4"           | <b>32176</b>        | <b>33112</b> | 1.8                           |             |
|                                                          | 7/8"           | <b>32178</b>        | -            | 2.0                           |             |
|                                                          | 1"             | <b>32180</b>        | <b>33114</b> | 2.3                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF<br>1/4" Key   | 1-1/4"         | <b>32182</b>        | <b>33116</b> | 2.9                           | 100         |
|                                                          | 1-1/2"         | <b>32184</b>        | <b>33118</b> | 3.5                           |             |
|                                                          | 1-3/4"         | <b>32186</b>        | -            | 2.0                           |             |
|                                                          | 2"             | <b>32188</b>        | -            | 2.3                           |             |
|                                                          | 2-1/2"         | <b>32190</b>        | -            | 3.0                           |             |
|                                                          | 3/8"           | <b>32192</b>        | <b>33120</b> | 1.1                           | 100         |
|                                                          | 7/16"          | <b>32194</b>        | <b>33122</b> | 1.3                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF<br>1/4" Key   | 1/2"           | <b>32196</b>        | <b>33124</b> | 1.4                           |             |
|                                                          | 5/8"           | <b>32198</b>        | -            | 1.8                           |             |
|                                                          | 3/4"           | <b>32200</b>        | -            | 2.3                           |             |
|                                                          | 7/8"           | <b>32202</b>        | -            | 1.3                           |             |
|                                                          | 1"             | <b>32204</b>        | -            | 1.5                           |             |
|                                                          | 1-1/4"         | <b>32206</b>        | -            | 2.0                           |             |
|                                                          | 1-1/2"         | <b>32208</b>        | -            | 2.4                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF<br>1/4" Key   | 2"             | <b>32210</b>        | -            | 3.3                           | 100         |
|                                                          | 3/8"           | <b>32212</b>        | -            | 1.5                           |             |
|                                                          | 1/2"           | <b>32214</b>        | <b>33126</b> | 2.0                           |             |
|                                                          | 5/8"           | <b>32216</b>        | -            | 2.5                           |             |
|                                                          | 3/4"           | <b>32218</b>        | <b>33128</b> | 2.8                           |             |
|                                                          | 7/8"           | <b>32220</b>        | -            | 1.7                           |             |
|                                                          | 1"             | <b>32222</b>        | <b>33130</b> | 2.0                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF<br>1/4" Key   | 1-1/4"         | <b>32224</b>        | -            | 2.4                           | 50          |
|                                                          | 1-1/2"         | <b>32226</b>        | -            | 3.0                           |             |
|                                                          | 1-3/4"         | <b>32228</b>        | -            | 1.8                           |             |
|                                                          | 2"             | <b>32230</b>        | -            | 2.1                           |             |
|                                                          | 2-1/2"         | <b>32232</b>        | -            | 2.6                           |             |
|                                                          | 3"             | <b>32234</b>        | -            | 3.1                           |             |
|                                                          | 1-1/4"         | <b>32224</b>        | -            | 2.4                           | 25          |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF<br>1/4" Key   | 1-1/2"         | <b>32226</b>        | -            | 3.0                           |             |
|                                                          | 1-3/4"         | <b>32228</b>        | -            | 1.8                           |             |
|                                                          | 2"             | <b>32230</b>        | -            | 2.1                           |             |
|                                                          | 2-1/2"         | <b>32232</b>        | -            | 2.6                           |             |
|                                                          | 3"             | <b>32234</b>        | -            | 3.1                           |             |
|                                                          | 1-1/4"         | <b>32224</b>        | -            | 2.4                           |             |
|                                                          | 1-1/2"         | <b>32226</b>        | -            | 3.0                           |             |

# Socket Set Screws Cont.



## COARSE & FINE THREAD SERIES CONT.

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F912

### CUP POINT

| Diameter                                                | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|---------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                         |                | UNC                 | UNF          |                               |             |
| <b>5/8"</b><br>(.625")<br>11 UNC<br>18 UNF<br>5/16" Key | 1/2"           | <b>32236</b>        | -            | 2.8                           | 100         |
|                                                         | 5/8"           | <b>32238</b>        | <b>33132</b> | 1.8                           | 50          |
|                                                         | 3/4"           | <b>32240</b>        | -            | 2.1                           |             |
|                                                         | 1"             | <b>32242</b>        | <b>33134</b> | 3.0                           |             |
|                                                         | 1-1/4"         | <b>32244</b>        | -            | 1.9                           | 25          |
|                                                         | 1-1/2"         | <b>32246</b>        | -            | 2.4                           |             |
|                                                         | 1-3/4"         | <b>32248</b>        | -            | 2.9                           |             |
|                                                         | 2"             | <b>32250</b>        | -            | 3.2                           |             |
|                                                         | 2-1/2"         | <b>32252</b>        | -            | 1.7                           | 10          |
|                                                         | 3"             | <b>32254</b>        | -            | 2.1                           |             |
| <b>3/4"</b><br>(.750")<br>10 UNC<br>3/8" Key            | 5/8"           | <b>32256</b>        | -            | 2.8                           | 50          |
|                                                         | 3/4"           | <b>32258</b>        | -            | 3.3                           |             |
|                                                         | 1"             | <b>32260</b>        | -            | 4.3                           |             |

| Diameter                                    | Length Overall | Product Number Code |     | Approx. Weight per Box (lbs.) | Qty. in Box |
|---------------------------------------------|----------------|---------------------|-----|-------------------------------|-------------|
|                                             |                | UNC                 | UNF |                               |             |
| <b>3/4"</b><br>(Cont.)                      | 1-1/4"         | <b>32262</b>        | -   | 2.7                           | 25          |
|                                             | 1-1/2"         | <b>32264</b>        | -   | 3.4                           |             |
|                                             | 1-3/4"         | <b>32266</b>        | -   | 1.6                           |             |
|                                             | 2"             | <b>32268</b>        | -   | 1.8                           | 10          |
|                                             | 2-1/2"         | <b>32270</b>        | -   | 2.4                           |             |
|                                             | 3"             | <b>32272</b>        | -   | 2.9                           |             |
| <b>7/8"</b><br>(.875")<br>9 UNC<br>1/2" Key | 7/8"           | <b>32274</b>        | -   | 0.9                           | 10          |
|                                             | 1"             | <b>32276</b>        | -   | 1.0                           |             |
|                                             | 2-1/2"         | <b>32282</b>        | -   | 3.1                           |             |
| <b>1"</b><br>(1.000")<br>9/16" Key          | 1"             | <b>32286</b>        | -   | 1.3                           | 10          |
|                                             | 1-1/2"         | <b>32288</b>        | -   | 2.2                           |             |
|                                             | 2"             | <b>32290</b>        | -   | 3.2                           |             |
|                                             | 3"             | <b>32294</b>        | -   | 5.0                           |             |

# Socket Set Screws



## COARSE & FINE THREAD SERIES

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • MEETS ASTM F912

### HOLO-KNURL® POINT

| Diameter                                               | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                        |                | UNC                 | UNF          |                               |             |
| <b>#4</b><br>(.112")<br>40 UNC<br>.050" Key            | 1/8"           | <b>42002</b>        | -            | 0.1                           | 100         |
| <b>#6</b><br>(.138")<br>32 UNC<br>40 UNF<br>1/16" Key  | 1/8"           | <b>42008</b>        | <b>43006</b> | 0.1                           | 100         |
|                                                        | 3/16"          | <b>42010</b>        | -            | 0.1                           |             |
|                                                        | 1/4"           | <b>42012</b>        | -            | 0.1                           |             |
| <b>#8</b><br>(.164")<br>32 UNC<br>5/64" Key            | 1/8"           | <b>42014</b>        | -            | 0.1                           | 100         |
|                                                        | 3/16"          | <b>42016</b>        | -            | 0.1                           |             |
|                                                        | 1/4"           | <b>42018</b>        | -            | 0.1                           |             |
|                                                        | 3/8"           | <b>42020</b>        | -            | 0.2                           |             |
| <b>#10</b><br>(.190")<br>24 UNC<br>32 UNF<br>3/32" Key | 3/16"          | -                   | <b>43008</b> | 0.1                           | 100         |
|                                                        | 1/4"           | <b>42024</b>        | <b>43010</b> | 0.1                           |             |
|                                                        | 3/8"           | -                   | <b>43012</b> | 0.3                           |             |
|                                                        | 1/2"           | -                   | <b>43014</b> | 0.3                           |             |
| <b>1/4"</b><br>(.250")<br>20 UNC<br>28 UNF<br>1/8" Key | 3/16"          | <b>42026</b>        | <b>43016</b> | 0.3                           | 100         |
|                                                        | 1/4"           | <b>42028</b>        | <b>43018</b> | 0.3                           |             |
|                                                        | 5/16"          | <b>42030</b>        | <b>43020</b> | 0.3                           |             |
|                                                        | 3/8"           | <b>42032</b>        | <b>43022</b> | 0.4                           |             |
|                                                        | 1/2"           | <b>42034</b>        | -            | 0.5                           |             |
|                                                        | 3/4"           | <b>42036</b>        | -            | 0.8                           |             |

| Diameter                                                 | Length Overall | Product Number Code |              | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------------------------------------------------------|----------------|---------------------|--------------|-------------------------------|-------------|
|                                                          |                | UNC                 | UNF          |                               |             |
| <b>5/16"</b><br>(.312")<br>18 UNC<br>24 UNF<br>5/32" Key | 1/4"           | <b>42038</b>        | <b>43024</b> | 0.4                           | 100         |
|                                                          | 5/16"          | <b>42040</b>        | <b>43026</b> | 0.4                           |             |
|                                                          | 3/8"           | <b>42042</b>        | <b>43028</b> | 0.5                           |             |
|                                                          | 1/2"           | <b>42043</b>        | <b>43030</b> | 0.8                           |             |
|                                                          | 5/8"           | <b>42044</b>        | -            | 1.0                           |             |
|                                                          | 3/4"           | <b>42045</b>        | -            | 1.2                           |             |
|                                                          | 1"             | <b>42046</b>        | -            | 1.7                           |             |
| <b>3/8"</b><br>(.375")<br>16 UNC<br>24 UNF<br>3/16" Key  | 3/8"           | <b>42047</b>        | <b>43032</b> | 0.9                           | 100         |
|                                                          | 1/2"           | <b>42048</b>        | <b>43034</b> | 1.1                           |             |
|                                                          | 3/4"           | <b>42049</b>        | -            | 1.8                           |             |
|                                                          | 1"             | <b>42050</b>        | -            | 2.3                           |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>1/4" Key             | 1/2"           | <b>42052</b>        | -            | 2.0                           | 100         |
|                                                          | 5/8"           | <b>42054</b>        | -            | 2.5                           |             |
|                                                          | 3/4"           | <b>42056</b>        | -            | 2.8                           | 50          |
|                                                          | 1"             | <b>42058</b>        | -            | 2.0                           |             |



**HOLO-KNURL® POINT**

### INTERNAL KNURL POINT SOCKET SET SCREW — with the following advantages:

- Ratchet Locking Action
- Superior Holding Power
- Thermo-Forged® Point and Socket
- Precision Ground or Rolled Threads
- Heat Treated Alloy Steel

# Socket Shoulder Screws



HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT  
MEETS ASME B18.3 • HEAT TREATED TO HRC 32 - 43

| Diameter                                                                                 | Shoulder Length | Product Number Code | Approx. Weight per Box (lbs.) | Qty. In Box |
|------------------------------------------------------------------------------------------|-----------------|---------------------|-------------------------------|-------------|
| <b>1/4"</b><br>(.246")<br>(.248")<br>1/8" Key<br><br>THREAD SERIES<br>#10-24<br>UNRC     | 3/8"            | <b>08002</b>        | 0.4                           | 25          |
|                                                                                          | 1/2"            | <b>08004</b>        | 0.4                           |             |
|                                                                                          | 5/8"            | <b>08006</b>        | 0.4                           |             |
|                                                                                          | 3/4"            | <b>08008</b>        | 0.5                           |             |
|                                                                                          | 1"              | <b>08010</b>        | 0.6                           |             |
|                                                                                          | 1-1/4"          | <b>08012</b>        | 0.6                           |             |
|                                                                                          | 1-1/2"          | <b>08014</b>        | 0.8                           |             |
|                                                                                          |                 |                     |                               |             |
| <b>5/16"</b><br>(.3085")<br>(.3105")<br>5/32" Key<br><br>THREAD SERIES<br>1/4-20<br>UNRC | 3/8"            | <b>08016</b>        | 0.5                           | 25          |
|                                                                                          | 1/2"            | <b>08018</b>        | 0.6                           |             |
|                                                                                          | 5/8"            | <b>08020</b>        | 0.7                           |             |
|                                                                                          | 3/4"            | <b>08022</b>        | 0.8                           |             |
|                                                                                          | 1"              | <b>08024</b>        | 0.9                           |             |
|                                                                                          | 1-1/4"          | <b>08026</b>        | 1.0                           |             |
|                                                                                          | 1-1/2"          | <b>08028</b>        | 1.1                           |             |
|                                                                                          | 1-3/4"          | <b>08030</b>        | 1.3                           |             |
|                                                                                          | 2"              | <b>08032</b>        | 1.4                           |             |
|                                                                                          |                 |                     |                               |             |
| <b>3/8"</b><br>(.371")<br>(.373")<br>3/16" Key<br><br>THREAD SERIES<br>5/16-18<br>UNRC   | 1/4"            | <b>0800330</b>      | 0.9                           | 25          |
|                                                                                          | 3/8"            | <b>08034</b>        | 0.9                           |             |
|                                                                                          | 1/2"            | <b>08036</b>        | 1.0                           |             |
|                                                                                          | 5/8"            | <b>08038</b>        | 1.1                           |             |
|                                                                                          | 3/4"            | <b>08040</b>        | 1.3                           |             |
|                                                                                          | 1"              | <b>08042</b>        | 1.4                           |             |
|                                                                                          | 1-1/4"          | <b>08046</b>        | 1.6                           |             |
|                                                                                          | 1-1/2"          | <b>08048</b>        | 1.9                           |             |
|                                                                                          | 1-3/4"          | <b>08049</b>        | 2.1                           |             |
|                                                                                          | 2"              | <b>08050</b>        | 2.3                           |             |
|                                                                                          | 2-1/4"          | <b>08052</b>        | 2.4                           |             |
|                                                                                          | 2-1/2"          | <b>08054</b>        | 2.6                           |             |
|                                                                                          | 2-3/4"          | <b>08056</b>        | 2.9                           |             |
|                                                                                          | 3"              | <b>08058</b>        | 3.1                           |             |
|                                                                                          | 3-1/4"          | <b>08060</b>        | 3.3                           |             |
|                                                                                          | 3-1/2"          | <b>08062</b>        | 3.5                           |             |
|                                                                                          | 4"              | <b>08064</b>        | 3.9                           |             |
|                                                                                          |                 |                     |                               |             |
| <b>1/2"</b><br>(.496")<br>(.498")<br>1/4" Key<br><br>THREAD SERIES<br>3/8-16<br>UNRC     | 3/8"            | <b>0800650</b>      | 1.9                           | 25          |
|                                                                                          | 1/2"            | <b>08066</b>        | 2.0                           |             |
|                                                                                          | 5/8"            | <b>08068</b>        | 2.3                           |             |
|                                                                                          | 3/4"            | <b>08070</b>        | 2.4                           |             |
|                                                                                          | 1"              | <b>08072</b>        | 2.8                           |             |
|                                                                                          | 1-1/4"          | <b>08074</b>        | 3.1                           |             |
|                                                                                          | 1-1/2"          | <b>08076</b>        | 3.4                           |             |
|                                                                                          | 1-3/4"          | <b>08078</b>        | 3.8                           |             |
|                                                                                          | 2"              | <b>08080</b>        | 4.1                           |             |
|                                                                                          | 2-1/4"          | <b>08082</b>        | 4.5                           |             |
|                                                                                          | 2-1/2"          | <b>08084</b>        | 4.9                           |             |
|                                                                                          | 2-3/4"          | <b>08086</b>        | 5.2                           |             |
|                                                                                          | 3"              | <b>08088</b>        | 5.6                           |             |
|                                                                                          | 3-1/4"          | <b>08090</b>        | 5.9                           |             |
|                                                                                          | 3-1/2"          | <b>08092</b>        | 6.3                           |             |
|                                                                                          | 3-3/4"          | <b>08093</b>        | 6.5                           |             |
|                                                                                          | 4"              | <b>08094</b>        | 7.0                           |             |
|                                                                                          | 4-1/4"          | <b>08095</b>        | 7.2                           |             |
|                                                                                          | 4-1/2"          | <b>08096</b>        | 3.0                           |             |
|                                                                                          | 4-3/4"          | <b>08097</b>        | 3.2                           |             |
|                                                                                          | 5"              | <b>08098</b>        | 3.4                           |             |
|                                                                                          |                 |                     |                               | 10          |

| Diameter                                                                             | Shoulder Length | Product Number Code | Approx. Weight per Box (lbs.) | Qty. In Box |
|--------------------------------------------------------------------------------------|-----------------|---------------------|-------------------------------|-------------|
| <b>5/8"</b><br>(.621")<br>(.623")<br>5/16" Key<br>THREAD SERIES<br>1/2-13<br>UNRC    | 3/4"            | <b>0800994</b>      | 4.1                           | 25          |
|                                                                                      | 1"              | <b>0800996</b>      | 4.7                           |             |
|                                                                                      | 1-1/4"          | <b>08100</b>        | 5.0                           |             |
|                                                                                      | 1-1/2"          | <b>08102</b>        | 5.6                           |             |
|                                                                                      | 1-3/4"          | <b>08104</b>        | 6.3                           |             |
|                                                                                      | 2"              | <b>08106</b>        | 6.8                           |             |
|                                                                                      | 2-1/4"          | <b>08108</b>        | 7.4                           |             |
|                                                                                      | 2-1/2"          | <b>08110</b>        | 7.9                           |             |
|                                                                                      | 2-3/4"          | <b>08112</b>        | 8.5                           |             |
|                                                                                      | 3"              | <b>08114</b>        | 8.9                           |             |
|                                                                                      | 3-1/4"          | <b>08116</b>        | 9.5                           |             |
|                                                                                      | 3-1/2"          | <b>08118</b>        | 10.0                          |             |
|                                                                                      | 3-3/4"          | <b>08117</b>        | 4.2                           |             |
|                                                                                      | 4"              | <b>08120</b>        | 4.4                           |             |
|                                                                                      | 4-1/4"          | <b>08119</b>        | 4.6                           |             |
|                                                                                      | 4-1/2"          | <b>08122</b>        | 5.0                           |             |
|                                                                                      | 4-3/4"          | <b>08121</b>        | 5.1                           |             |
|                                                                                      | 5"              | <b>08124</b>        | 5.2                           |             |
|                                                                                      | 5-1/2"          | <b>08123</b>        | 6.2                           |             |
|                                                                                      | 6"              | <b>08125</b>        | 6.6                           |             |
|                                                                                      |                 |                     |                               | 10          |
| <b>3/4"</b><br>(.746")<br>(.748")<br>3/8" Key<br><br>THREAD SERIES<br>5/8-11<br>UNRC | 1-1/2"          | <b>08126</b>        | 3.6                           | 10          |
|                                                                                      | 1-3/4"          | <b>08128</b>        | 3.8                           |             |
|                                                                                      | 2"              | <b>08130</b>        | 4.0                           |             |
|                                                                                      | 2-1/4"          | <b>08132</b>        | 4.4                           |             |
|                                                                                      | 2-1/2"          | <b>08134</b>        | 4.8                           |             |
|                                                                                      | 2-3/4"          | <b>08136</b>        | 5.0                           |             |
|                                                                                      | 3"              | <b>08138</b>        | 5.4                           |             |
|                                                                                      | 3-1/4"          | <b>08139</b>        | 5.6                           |             |
|                                                                                      | 3-1/2"          | <b>08140</b>        | 6.0                           |             |
|                                                                                      | 3-3/4"          | <b>08141</b>        | 6.3                           |             |
|                                                                                      | 4"              | <b>08142</b>        | 6.6                           |             |
|                                                                                      | 4-1/4"          | <b>08143</b>        | 7.0                           |             |
|                                                                                      | 4-1/2"          | <b>08144</b>        | 7.2                           |             |
|                                                                                      | 4-3/4"          | <b>08145</b>        | 7.6                           |             |
|                                                                                      | 5"              | <b>08146</b>        | 7.8                           |             |
|                                                                                      | 5-1/2"          | <b>08148</b>        | 8.5                           |             |
|                                                                                      | 6"              | <b>08150</b>        | 9.1                           |             |



# Standard Dowel Pins

## Black Lustre Finish

.0002 Over Listed Diameter

Rust Resistant

MEETS ASME B18.8.2

| Diameter     | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------|----------------|---------------------|-------------------------------|-------------|
| <b>1/8"</b>  | 3/8"           | <b>01002</b>        | 0.5                           | 100         |
|              | 1/2"           | <b>01004</b>        | 0.5                           |             |
|              | 5/8"           | <b>01006</b>        | 0.5                           |             |
|              | 3/4"           | <b>01008</b>        | 0.5                           |             |
|              | 7/8"           | <b>01010</b>        | 0.5                           |             |
|              | 1"             | <b>01012</b>        | 0.5                           |             |
|              | 1-1/4"         | <b>01014</b>        | 0.5                           |             |
|              | 1-1/2"         | <b>01016</b>        | 0.5                           |             |
|              | 2"             | <b>01020</b>        | 1.0                           |             |
| <b>3/16"</b> | 1/2"           | <b>01022</b>        | 0.5                           | 100         |
|              | 5/8"           | <b>01024</b>        | 0.5                           |             |
|              | 3/4"           | <b>01026</b>        | 0.5                           |             |
|              | 7/8"           | <b>01028</b>        | 0.5                           |             |
|              | 1"             | <b>01030</b>        | 1.0                           |             |
|              | 1-1/4"         | <b>01032</b>        | 1.5                           |             |
|              | 1-1/2"         | <b>01034</b>        | 1.5                           |             |
|              | 1-3/4"         | <b>01036</b>        | 1.5                           |             |
|              | 2"             | <b>01038</b>        | 1.5                           |             |
| <b>1/4"</b>  | 1/2"           | <b>01040</b>        | 1.0                           | 100         |
|              | 5/8"           | <b>01042</b>        | 1.0                           |             |
|              | 3/4"           | <b>01044</b>        | 1.0                           |             |
|              | 7/8"           | <b>01046</b>        | 1.5                           |             |
|              | 1"             | <b>01048</b>        | 1.5                           |             |
|              | 1-1/4"         | <b>01050</b>        | 2.0                           |             |
|              | 1-1/2"         | <b>01052</b>        | 2.0                           |             |
|              | 1-3/4"         | <b>01054</b>        | 2.5                           |             |
|              | 2"             | <b>01056</b>        | 3.0                           |             |
|              | 2-1/4"         | <b>01058</b>        | 3.3                           |             |
| <b>5/16"</b> | 1/2"           | <b>01062</b>        | 1.5                           | 100         |
|              | 5/8"           | <b>01064</b>        | 1.5                           |             |
|              | 3/4"           | <b>01066</b>        | 2.0                           |             |
|              | 7/8"           | <b>01068</b>        | 2.0                           |             |
|              | 1"             | <b>01070</b>        | 2.0                           |             |
|              | 1-1/4"         | <b>01072</b>        | 3.0                           |             |
|              | 1-1/2"         | <b>01074</b>        | 3.5                           |             |
|              | 1-3/4"         | <b>01076</b>        | 4.0                           |             |
|              | 2"             | <b>01078</b>        | 4.5                           |             |
|              | 2-1/4"         | <b>01080</b>        | 5.0                           |             |
|              | 2-1/2"         | <b>01082</b>        | 5.5                           |             |
|              | 3"             | <b>01084</b>        | 6.5                           |             |
|              | 1/2"           | <b>01086</b>        | 2.0                           | 100         |
| <b>3/8"</b>  | 5/8"           | <b>01088</b>        | 2.0                           |             |
|              | 3/4"           | <b>01090</b>        | 2.5                           |             |
|              | 7/8"           | <b>01092</b>        | 2.5                           |             |
|              | 1"             | <b>01094</b>        | 3.0                           |             |
|              | 1-1/4"         | <b>01096</b>        | 4.0                           |             |
|              | 1-1/2"         | <b>01098</b>        | 5.0                           |             |
|              | 1-3/4"         | <b>01100</b>        | 2.2                           | 40          |
|              | 2"             | <b>01102</b>        | 2.6                           |             |
|              | 2-1/4"         | <b>01104</b>        | 2.8                           |             |
|              | 2-1/2"         | <b>01106</b>        | 3.2                           |             |
|              | 3"             | <b>01108</b>        | 3.8                           |             |

| Diameter     | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------|----------------|---------------------|-------------------------------|-------------|
| <b>7/16"</b> | 1"             | <b>01110</b>        | 1.8                           | 40          |
|              | 1-1/4"         | <b>01112</b>        | 2.2                           |             |
|              | 1-1/2"         | <b>01114</b>        | 2.6                           |             |
|              | 2"             | <b>01118</b>        | 3.6                           |             |
|              | 2-1/2"         | <b>01120</b>        | 4.4                           |             |
|              | 3"             | <b>01122</b>        | 5.2                           |             |
| <b>1/2"</b>  | 3/4"           | <b>01124</b>        | 1.8                           | 40          |
|              | 1"             | <b>01126</b>        | 2.4                           |             |
|              | 1-1/4"         | <b>01128</b>        | 2.8                           |             |
|              | 1-1/2"         | <b>01130</b>        | 3.4                           |             |
|              | 1-3/4"         | <b>01132</b>        | 4.0                           |             |
|              | 2"             | <b>01134</b>        | 4.6                           | 20          |
|              | 2-1/4"         | <b>01136</b>        | 2.6                           |             |
|              | 2-1/2"         | <b>01138</b>        | 2.8                           |             |
|              | 3"             | <b>01140</b>        | 3.4                           |             |
|              | 3-1/2"         | <b>01142</b>        | 4.0                           |             |
| <b>5/8"</b>  | 4"             | <b>01144</b>        | 4.6                           | 10          |
|              | 1"             | <b>01146</b>        | 0.9                           |             |
|              | 1-1/4"         | <b>01148</b>        | 1.2                           |             |
|              | 1-1/2"         | <b>01150</b>        | 1.4                           |             |
|              | 1-3/4"         | <b>01152</b>        | 1.6                           |             |
|              | 2"             | <b>01154</b>        | 1.8                           |             |
|              | 2-1/2"         | <b>01158</b>        | 2.3                           |             |
|              | 3"             | <b>01160</b>        | 2.7                           |             |
| <b>3/4"</b>  | 3-1/2"         | <b>01162</b>        | 3.2                           | 10          |
|              | 4"             | <b>01164</b>        | 3.6                           |             |
|              | 2"             | <b>01170</b>        | 2.5                           |             |
|              | 2-1/2"         | <b>01172</b>        | 3.2                           |             |
|              | 3"             | <b>01174</b>        | 3.8                           |             |
| <b>7/8"</b>  | 3-1/2"         | <b>01176</b>        | 4.4                           | 10          |
|              | 4"             | <b>01178</b>        | 5.1                           |             |
|              | 2"             | <b>01186</b>        | 3.5                           |             |
|              | 2-1/2"         | <b>01188</b>        | 4.4                           |             |
| <b>1"</b>    | 3"             | <b>01190</b>        | 5.3                           | 10          |
|              | 4"             | <b>01194</b>        | 6.9                           |             |
|              | 2"             | <b>01202</b>        | 4.5                           |             |
|              | 2-1/2"         | <b>01204</b>        | 5.7                           |             |
|              | 3"             | <b>01206</b>        | 6.8                           |             |
|              | 4"             | <b>01210</b>        | 9.2                           |             |

### WARNING

ALWAYS PRESS DOWEL PINS INTO PLACE USING AN ARBOR PRESS. NEVER STRIKE WITH ANY MATERIAL OR TOOL, INCLUDING A HAMMER. DOING SO MAY CAUSE THE DOWEL TO SPLINTER AND MAY RESULT IN SERIOUS BODILY INJURY.



# Oversize Dowel Pins Black Lustre Finish

.001 Over Listed Diameter

Rust Resistant

MEETS ASME B18.8.2

| Diameter     | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------|----------------|---------------------|-------------------------------|-------------|
| <b>1/8"</b>  | 1/2"           | <b>03004</b>        | 5.0                           | 100         |
|              | 3/4"           | <b>03008</b>        | 0.5                           |             |
|              | 1"             | <b>03010</b>        | 0.5                           |             |
| <b>3/16"</b> | 1/2"           | <b>03016</b>        | 0.5                           | 100         |
|              | 1"             | <b>03022</b>        | 1.0                           |             |
|              | 1-1/2"         | <b>03026</b>        | 1.5                           |             |
| <b>1/4"</b>  | 1/2"           | <b>03030</b>        | 1.0                           | 100         |
|              | 3/4"           | <b>03034</b>        | 1.0                           |             |
|              | 1"             | <b>03036</b>        | 1.5                           |             |
|              | 1-1/4"         | <b>03038</b>        | 2.0                           |             |
|              | 1-1/2"         | <b>03040</b>        | 2.0                           |             |
| <b>5/16"</b> | 1"             | <b>03046</b>        | 2.0                           | 100         |
|              | 1-1/2"         | <b>03050</b>        | 3.5                           |             |
| <b>3/8"</b>  | 1"             | <b>03058</b>        | 3.0                           | 100         |
|              | 1-1/4"         | <b>03060</b>        | 4.0                           |             |
|              | 1-1/2"         | <b>03062</b>        | 5.0                           |             |

| Diameter    | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-------------|----------------|---------------------|-------------------------------|-------------|
| <b>1/2"</b> | 1"             | <b>03070</b>        | 2.4                           | 40          |
|             | 1-1/2"         | <b>03074</b>        | 3.4                           |             |
|             | 2"             | <b>03076</b>        | 4.6                           |             |

## WARNING

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## Pull-Dowels



HEAT TREATED ALLOY STEEL • 8 RMS BRIGHT MICROINCH FINISH  
HARDNESS: SURFACE-ROCKWELL C 60-64, CORE-ROCKWELL C 50-58

AVG SHEAR STRENGTH: 150,000 psi DIA: .0002 OVER LISTED DIAMETER • ROUNDNESS: .00005 T.I.R.

| Diameter     | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------|----------------|---------------------|-------------------------------|-------------|
| <b>5/16"</b> | 3/4"           | <b>04022</b>        | 0.3                           | 20          |
|              | 1"             | <b>04026</b>        | 0.4                           |             |
|              | 1-1/4"         | <b>04028</b>        | 0.6                           |             |
|              | 1-1/2"         | <b>04030</b>        | 0.7                           |             |
|              | 2"             | <b>04034</b>        | 0.9                           |             |
|              | 2-1/2"         | <b>04038</b>        | 1.4                           |             |
| <b>3/8"</b>  | 1"             | <b>04042</b>        | 0.6                           | 20          |
|              | 1-1/4"         | <b>04044</b>        | 0.8                           |             |
|              | 1-1/2"         | <b>04046</b>        | 0.9                           |             |
|              | 1-3/4"         | <b>04048</b>        | 1.1                           |             |
|              | 2"             | <b>04050</b>        | 1.3                           |             |
|              | 2-1/4"         | <b>04052</b>        | 3.0                           |             |
|              | 2-1/2"         | <b>04054</b>        | 1.6                           |             |
|              | 3"             | <b>04056</b>        | 1.9                           |             |
| <b>1/2"</b>  | 1"             | <b>04058</b>        | 1.1                           | 20          |
|              | 1-1/4"         | <b>04060</b>        | 1.4                           |             |
|              | 1-1/2"         | <b>04062</b>        | 1.7                           |             |
|              | 1-3/4"         | <b>04064</b>        | 2.0                           |             |
|              | 2"             | <b>04066</b>        | 2.2                           |             |
|              | 2-1/4"         | <b>04068</b>        | 2.6                           |             |
|              | 2-1/2"         | <b>04070</b>        | 2.8                           |             |
|              | 3"             | <b>04072</b>        | 3.4                           |             |
|              | 3-1/2"         | <b>04074</b>        | 4.0                           |             |

| Diameter    | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-------------|----------------|---------------------|-------------------------------|-------------|
| <b>5/8"</b> | 1-1/2"         | <b>04078</b>        | 1.3                           | 10          |
|             | 2"             | <b>04082</b>        | 1.8                           |             |
|             | 2-1/4"         | <b>04084</b>        | 5.1                           |             |
|             | 2-1/2"         | <b>04086</b>        | 2.2                           |             |
|             | 3"             | <b>04088</b>        | 2.7                           |             |
| <b>3/4"</b> | 2"             | <b>04094</b>        | 2.5                           | 10          |
|             | 2-1/2"         | <b>04096</b>        | 3.2                           |             |
|             | 3"             | <b>04098</b>        | 3.8                           |             |
|             | 4"             | <b>04100</b>        | 5.1                           |             |
| <b>1"</b>   | 2"             | <b>04102</b>        | 4.5                           | 10          |
|             | 3"             | <b>04106</b>        | 6.7                           |             |
|             | 4"             | <b>04110</b>        | 9.0                           |             |

# Allenuts®

## COARSE AND FINE THREADS

MATERIAL: ALLOY STEEL HEAT TREATED TO HRC 33-39 THREADS: UNC/UNF

| Diameter<br>Threads Per<br>Inch | Key Size | Product Number<br>Code | Approx.<br>Weight per<br>Box (lbs.) | Qty in<br>Box |
|---------------------------------|----------|------------------------|-------------------------------------|---------------|
| #4-40                           | 1/8"     | <b>06032</b>           | 0.2                                 | 100           |
| #5-40                           |          | <b>06034</b>           | 0.2                                 |               |
| #6-32                           | 5/32"    | <b>06036</b>           | 0.4                                 |               |
| #8-32                           | 3/16"    | <b>06038</b>           | 0.4                                 |               |
| #10-24                          |          | <b>06040</b>           | 0.6                                 |               |
| #10-32                          |          | <b>07030</b>           | 0.6                                 |               |
| 1/4-20                          | 1/4"     | <b>06042</b>           | 1.2                                 |               |
| 1/4-28                          |          | <b>07032</b>           | 1.2                                 |               |
| 5/16-18                         | 5/16"    | <b>06044</b>           | 2.2                                 |               |
| 5/16-24                         |          | <b>07034</b>           | 2.2                                 |               |
| 3/8-16                          | 3/8"     | <b>06046</b>           | 3.2                                 |               |
| 3/8-24                          |          | <b>07036</b>           | 3.2                                 |               |

| Diameter<br>Threads Per<br>Inch | Key Size | Product Number<br>Code | Approx.<br>Weight per<br>Box (lbs.) | Qty in<br>Box |
|---------------------------------|----------|------------------------|-------------------------------------|---------------|
| 7/16-14                         | 7/16"    | <b>06048</b>           | 3.4                                 | 50            |
| 7/16-20                         |          | <b>07038</b>           | 3.4                                 |               |
| 1/2-13                          | 1/2"     | <b>06050</b>           | 4.8                                 |               |
| 1/2-20                          |          | <b>07040</b>           | 4.8                                 |               |
| 5/8-11                          | 5/8"     | <b>06052</b>           | 9.0                                 |               |
| 5/8-18                          |          | <b>07042</b>           | 9.0                                 |               |
| 3/4-10                          | 3/4"     | <b>06054</b>           | 13.6                                | 25            |
| 3/4-16                          |          | <b>07044</b>           | 13.6                                |               |
| 7/8-9                           | 7/8"     | <b>06056</b>           | 10.4                                |               |
| 7/8-14                          |          | <b>07046</b>           | 10.4                                |               |
| 1-8                             | 1"       | <b>06058</b>           | 14.8                                |               |
| 1-14                            |          | <b>07048</b>           | 14.8                                |               |



# Stainless Allenuts®

## COARSE AND FINE THREADS

MATERIAL: AUSTENITIC STAINLESS STEEL • THREADS: UNC/UNF

| Diameter<br>Threads Per<br>Inch | Key Size | Product Number<br>Code | Approx.<br>Weight per<br>Box (lbs.) | Qty in<br>Box |
|---------------------------------|----------|------------------------|-------------------------------------|---------------|
| #4-40                           | 1/8"     | <b>06070</b>           | 0.2                                 | 100           |
| #6-32                           | 5/32"    | <b>06072</b>           | 0.4                                 |               |
| #8-32                           | 3/16"    | <b>06074</b>           | 0.4                                 |               |
| #10-24                          |          | <b>06076</b>           | 0.6                                 |               |

| Diameter<br>Threads Per<br>Inch | Key Size | Product Number<br>Code | Approx.<br>Weight per<br>Box (lbs.) | Qty in<br>Box |
|---------------------------------|----------|------------------------|-------------------------------------|---------------|
| #10-32                          | 3/16"    | <b>07060</b>           | 0.6                                 | 100           |
| 1/4-20                          | 1/4"     | <b>06078</b>           | 1.2                                 |               |
| 5/16-18                         | 5/16"    | <b>06080</b>           | 2.2                                 |               |
| 3/8-16                          | 3/8"     | <b>06082</b>           | 3.2                                 |               |



# Socket Pressure Plugs

## DRYSEAL SOCKET PRESSURE PLUGS

NPTF 3/4" DIAMETRAL TAPER  
PER FOOT • HEAT TREATED  
ALLOY STEEL TO HRC 36-43

## STAINLESS STEEL SOCKET PRESSURE PLUGS

NPTF 3/4" DIAMETRAL TAPER PER FOOT  
• AUSTENITIC STAINLESS STEEL

| Pressure<br>Plug Size | Length of<br>Plug Nom. | NPTF- 3/4"<br>Threads Per<br>Inch | Product<br>Number<br>Code | Approx.<br>Weight<br>per Box<br>(lbs.) | Qty.<br>in Box |
|-----------------------|------------------------|-----------------------------------|---------------------------|----------------------------------------|----------------|
| 1/16"                 | 5/16"                  | 27                                | <b>10002</b>              | 0.5                                    | 100            |
| 1/8"                  |                        |                                   | <b>10004</b>              | 0.8                                    |                |
| 1/4"                  |                        |                                   | <b>10006</b>              | 2.0                                    |                |
| 3/8"                  | 1/2"                   | 18                                | <b>10008</b>              | 4.0                                    | 50             |
| 1/2"                  | 9/16"                  |                                   | <b>10010</b>              | 2.9                                    |                |
| 3/4"                  | 5/8"                   | 14                                | <b>10012</b>              | 5.1                                    |                |
| 1"                    | 3/4"                   | 11-1/2                            | <b>10014</b>              | 5.3                                    | 25             |
| 1-1/4"                | 13/16"                 |                                   | <b>10016</b>              | 9.5                                    |                |

| Pressure<br>Plug Size | Length of<br>Plug Nom. | NPTF- 3/4"<br>Threads Per<br>Inch | Product<br>Number<br>Code | Approx.<br>Weight<br>per Box<br>(lbs.) | Qty.<br>in Box |
|-----------------------|------------------------|-----------------------------------|---------------------------|----------------------------------------|----------------|
| 1/8"                  | 5/16"                  | 27                                | <b>13002</b>              | 0.8                                    | 100            |
| 1/4"                  | 7/16"                  | 18                                | <b>13004</b>              | 2.0                                    | 100            |

# Socket Pressure Plugs Cont.

## FLUSH SOCKET PRESSURE PLUGS

PTF 7/8" DIAMETRAL TAPER PER FOOT

- HEAT TREATED ALLOY STEEL TO HRC 36-43

| Pressure Plug Size | Length of Plug Nom. | PTF- 7/8" Threads Per Inch | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------|---------------------|----------------------------|---------------------|-------------------------------|-------------|
| 1/16"              | 1/4"                | 27                         | <b>12002</b>        | 0.5                           | 100         |
| 1/8"               |                     |                            | <b>12004</b>        | 0.8                           |             |
| 1/4"               |                     |                            | <b>12006</b>        | 2.0                           |             |
| 3/8"               | 13/32"              | 18                         | <b>12008</b>        | 4.0                           | 50          |
| 1/2"               |                     |                            | <b>12010</b>        | 2.9                           |             |
| 3/4"               | 17/32"              | 14                         | <b>12012</b>        | 5.1                           | 50          |



## BRASS FLUSH SOCKET PRESSURE PLUGS

PTF 7/8" DIAMETRAL TAPER PER FOOT

- COMMERCIAL BRASS • LEAD FREE-COMPLIANT

| Pressure Plug Size | Length of Plug Nom. | PTF- 7/8" Threads Per Inch | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------|---------------------|----------------------------|---------------------|-------------------------------|-------------|
| 1/16"              | 1/4"                | 27                         | <b>11100</b>        | 0.5                           | 100         |
| 1/8"               |                     |                            | <b>11102</b>        | 0.8                           |             |
| 1/4"               |                     |                            | <b>11104</b>        | 2.0                           |             |
| 3/8"               | 13/32"              | 18                         | <b>11106</b>        | 4.0                           | 50          |
| 1/2"               |                     |                            | <b>11108</b>        | 2.9                           |             |
| 3/4"               | 17/32"              | 14                         | <b>11110</b>        | 5.1                           | 50          |

# Socket Jam Screws

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT

| Diameter                                    | Length Overall | Product Number Code |       | Approx. Weight per Box (lbs.) | Qty. in Box |
|---------------------------------------------|----------------|---------------------|-------|-------------------------------|-------------|
|                                             |                | UNC                 | UNF   |                               |             |
| <b>#4</b><br>(.112")<br>40 UNC              | 5/64"          | 06002               | -     | 0.06                          | 100         |
| <b>#8</b><br>(.164")<br>32 UNC              | 7/64"          | 06008               |       | 0.06                          |             |
| <b>#10</b><br>(.190")<br>24 UNC<br>32 UNF   | 1/8"           | 06010               | 07010 | 0.09                          |             |
| <b>1/4"</b><br>(.250")<br>20 UNC<br>28 UNF  | 1/8"           | 06012               | 07012 | 0.13                          |             |
| <b>5/16"</b><br>(.312")<br>18 UNC<br>24 UNF | 5/32"          | 06014               | 07014 | 0.25                          |             |
| <b>3/8"</b><br>(.375")<br>16 UNC<br>24 UNF  | 3/16"          | 06016               | 07016 | 0.37                          |             |
| <b>7/16"</b><br>(.437")<br>14 UNC<br>20 UNF | 7/32"          | 06018               | 07018 | 0.50                          |             |
| <b>1/2"</b><br>(.500")<br>13 UNC<br>20 UNF  | 1/4"           | 06020               | 07020 | 0.81                          |             |

| Diameter                                   | Length Overall | Product Number Code |       | Approx. Weight per Box (lbs.) | Qty. in Box |
|--------------------------------------------|----------------|---------------------|-------|-------------------------------|-------------|
|                                            |                | UNC                 | UNF   |                               |             |
| <b>5/8"</b><br>(.625")<br>11 UNC<br>18 UNF | 5/16"          | 06022               | 07022 | 1.50                          | 100         |
| <b>3/4"</b><br>(.750")<br>10 UNC<br>16 UNF | 3/8"           | 06024               | 07024 | 1.50                          | 50          |
| <b>7/8"</b><br>(.875")<br>9 UNC<br>14 UNF  | 7/16"          | 06026               | 07026 | 0.85                          | 25          |
| <b>1"</b><br>(1.00")<br>8 UNC<br>14 UNF    | 1/2"           | 06028               | 07028 | 1.30                          |             |

## Holo-Krome® Socket Screw Selector



These socket screw selectors are available in inch and metric for your fastener design needs.

Socket Selector  
Part numbers:  
SAE: 99013  
Metric: 99014

Contact Customer Service at  
1-800-879-6205 to order.



# Hex Keys

## FOLD UPS

| Part Number | Description                      | Qty. Per Box |
|-------------|----------------------------------|--------------|
| HK12587     | Set 7 Hex Fold-up Tools 2-8mm    | 5            |
| HK12589     | Set 9 Hex Fold-up Tools 5/64-1/4 |              |

## HEX END L-WRENCH SETS LONG & SHORT

| Part Number | Description                            | Qty. Per Box |
|-------------|----------------------------------------|--------------|
| HK12137     | Set 13 Hex L-wrenches .050-3/8 - Long  | 5            |
| HK12199     | Set 9 Hex L-wrenches 1.5-10mm - Long   |              |
| HK12237     | Set 13 Hex L-wrenches .050-3/8 - Short |              |
| HK12299     | Set 9 Hex L-wrenches 1.5-10mm - Short  |              |

## HEX END T-HANDLE SETS INCH & METRIC

| Part Number | Description                             | Qty. Per Box |
|-------------|-----------------------------------------|--------------|
| HK15238     | Set 10 Hex T-handles 6" Length 3/32-3/8 | 1            |
| HK15287     | Set 8 Hex T-handles 6" Length 2-10mm    |              |

## HEX END SINGLE L-WRENCHES LONG INCH

| Part Number | Description       | Qty. Per Box |
|-------------|-------------------|--------------|
| HK12102     | .050 Hex L-key LA | 50           |
| HK12103     | 1/16 Hex L-key LA |              |
| HK12104     | 5/64 Hex L-key LA |              |
| HK12105     | 3/32 Hex L-key LA |              |
| HK12106     | 7/64 Hex L-key LA |              |
| HK12107     | 1/8 Hex L-key LA  |              |
| HK12108     | 9/64 Hex L-key LA |              |
| HK12109     | 5/32 Hex L-key LA |              |
| HK12110     | 3/16 Hex L-key LA | 25           |
| HK12111     | 7/32 Hex L-key LA |              |
| HK12112     | 1/4 Hex L-key LA  |              |
| HK12113     | 5/16 Hex L-key LA |              |
| HK12114     | 3/8 Hex L-key LA  | 10           |
| HK12115     | 7/16 Hex L-key LA |              |
| HK12116     | 1/2 Hex L-key LA  | 5            |
| HK12117     | 9/16 Hex L-key LA |              |
| HK12118     | 5/8 Hex L-key LA  |              |
| HK12119     | 3/4 Hex L-key LA  |              |
| HK12120     | 7/8 Hex L-key LA  |              |
| HK12121     | 1" Hex L-key LA   |              |

## HEX END SINGLE L-WRENCHES LONG METRIC

| Part Number | Description        | Qty. Per Box |
|-------------|--------------------|--------------|
| HK12150     | 1.5mm Hex L-key LA | 50           |
| HK12152     | 2mm Hex L-key LA   |              |
| HK12154     | 2.5mm Hex L-key LA |              |
| HK12156     | 3mm Hex L-key LA   |              |
| HK12160     | 4mm Hex L-key LA   |              |
| HK12164     | 5mm Hex L-key LA   | 25           |
| HK12168     | 6mm Hex L-key LA   |              |
| HK12172     | 8mm Hex L-key LA   |              |
| HK12176     | 10mm Hex L-key LA  |              |
| HK12178     | 11mm Hex L-key LA  | 10           |
| HK12180     | 12mm Hex L-key LA  |              |
| HK12184     | 14mm Hex L-key LA  | 5            |
| HK12186     | 17mm Hex L-key LA  |              |
| HK12188     | 19mm Hex L-key LA  |              |

## HEX END T-HANDLE INCH

| Part Number | Description                 | Qty. Per Box |
|-------------|-----------------------------|--------------|
| HK15205     | 3/32 Hex T-Handle 6" Length | 1            |
| HK15206     | 7/64 Hex T-Handle 6" Length |              |
| HK15207     | 1/8 Hex T-Handle 6" Length  |              |
| HK15208     | 9/64 Hex T-Handle 6" Length |              |
| HK15209     | 5/32 Hex T-Handle 6" Length |              |
| HK15210     | 3/16 Hex T-Handle 6" Length |              |
| HK15211     | 7/32 Hex T-Handle 6" Length |              |
| HK15212     | 1/4 Hex T-Handle 6" Length  |              |
| HK15213     | 5/16 Hex T-Handle 6" Length |              |
| HK15214     | 3/8 Hex T-Handle 6" Length  |              |

## HEX END SINGLE L-WRENCHES SHORT INCH

| Part Number | Description       | Qty. Per Box |
|-------------|-------------------|--------------|
| HK12200     | .028 Hex L-key SA | 50           |
| HK12201     | .035 Hex L-key SA |              |
| HK12202     | .050 Hex L-key SA |              |
| HK12203     | 1/16 Hex L-key SA |              |
| HK12204     | 5/64 Hex L-key SA |              |
| HK12205     | 3/32 Hex L-key SA |              |
| HK12206     | 7/64 Hex L-key SA |              |
| HK12207     | 1/8 Hex L-key SA  |              |
| HK12208     | 9/64 Hex L-key SA | 25           |
| HK12209     | 5/32 Hex L-key SA |              |
| HK12210     | 3/16 Hex L-key SA |              |
| HK12211     | 7/32 Hex L-key SA |              |
| HK12212     | 1/4 Hex L-key SA  | 10           |
| HK12213     | 5/16 Hex L-key SA |              |
| HK12214     | 3/8 Hex L-key SA  |              |
| HK12215     | 7/16 Hex L-key SA | 5            |
| HK12216     | 1/2 Hex L-key SA  |              |
| HK12217     | 9/16 Hex L-key SA |              |
| HK12218     | 5/8 Hex L-key SA  |              |
| HK12219     | 3/4 Hex L-key SA  |              |
| HK12220     | 7/8 Hex L-key SA  | 10           |
| HK12221     | 1" Hex L-key SA   |              |

## HEX END SINGLE L-WRENCHES SHORT METRIC

| Part Number | Description        | Qty. Per Box |
|-------------|--------------------|--------------|
| HK12250     | 1.5mm Hex L-key SA | 50           |
| HK12252     | 2mm Hex L-key SA   |              |
| HK12254     | 2.5mm Hex L-key SA |              |
| HK12256     | 3mm Hex L-key SA   |              |
| HK12260     | 4mm Hex L-key SA   |              |
| HK12264     | 5mm Hex L-key SA   | 25           |
| HK12268     | 6mm Hex L-key SA   |              |
| HK12272     | 8mm Hex L-key SA   |              |
| HK12276     | 10mm Hex L-key SA  |              |
| HK12278     | 11mm Hex L-key SA  | 10           |
| HK12280     | 12mm Hex L-key SA  |              |
| HK12284     | 14mm Hex L-key SA  | 5            |
| HK12286     | 17mm Hex L-key SA  |              |
| HK12288     | 19mm Hex L-key SA  |              |

## HEX END T-HANDLE METRIC

| Part Number | Description                  | Qty. Per Box |
|-------------|------------------------------|--------------|
| HK15252     | 2mm Hex T-Handle 6" Length   | 1            |
| HK15254     | 2.5mm Hex T-Handle 6" Length |              |
| HK15256     | 3mm Hex T-Handle 6" Length   |              |
| HK15260     | 4mm Hex T-Handle 6" Length   |              |
| HK15264     | 5mm Hex T-Handle 6" Length   |              |
| HK15268     | 6mm Hex T-Handle 6" Length   |              |
| HK15272     | 8mm Hex T-Handle 6" Length   |              |
| HK15276     | 10mm Hex T-Handle 6" Length  |              |

# Socket Head Cap Screws



HEAT TREATED ALLOY STEEL TO PROPERTY CLASS 12.9  
ISO METRIC THREADS TO ANSI B1.13M • ISO 4762 & ISO 898-1  
HOLO-CODE TRACEABLE

METRIC FASTENERS

| Diameter                              | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|---------------------------------------|-------------------|---------------------|----------------------------|--------------|
| <b>M2</b><br>Pitch .4<br>1.5mm Key    | 4                 | <b>76604</b>        | 0.1                        | 100          |
|                                       | 5                 | <b>76605</b>        | 0.1                        |              |
|                                       | 6                 | <b>76606</b>        | 0.1                        |              |
|                                       | 8                 | <b>76608</b>        | 0.1                        |              |
|                                       | 10                | <b>76610</b>        | 0.1                        |              |
|                                       | 12                | <b>76612</b>        | 0.1                        |              |
| <b>M2.5</b><br>Pitch .45<br>2.0mm Key | 5                 | <b>76655</b>        | 0.1                        | 100          |
|                                       | 6                 | <b>76656</b>        | 0.1                        |              |
|                                       | 8                 | <b>76658</b>        | 0.1                        |              |
|                                       | 10                | <b>76660</b>        | 0.1                        |              |
|                                       | 12                | <b>76662</b>        | 0.1                        |              |
| <b>M3</b><br>Pitch 0.50<br>2.5mm Key  | 5                 | <b>76004</b>        | 0.1                        | 100          |
|                                       | 6                 | <b>76008</b>        | 0.1                        |              |
|                                       | 8                 | <b>76012</b>        | 0.2                        |              |
|                                       | 10                | <b>76016</b>        | 0.2                        |              |
|                                       | 12                | <b>76020</b>        | 0.2                        |              |
|                                       | 15                | <b>76026</b>        | 0.2                        |              |
|                                       | 16                | <b>76028</b>        | 0.2                        |              |
|                                       | 20                | <b>76032</b>        | 0.3                        |              |
|                                       | 25                | <b>76036</b>        | 0.3                        |              |
|                                       | 30                | <b>76040</b>        | 0.4                        |              |
| <b>M4</b><br>Pitch 0.70<br>3mm Key    | 35                | <b>76044</b>        | 0.5                        | 100          |
|                                       | 5                 | <b>76048</b>        | 0.3                        |              |
|                                       | 6                 | <b>76052</b>        | 0.3                        |              |
|                                       | 8                 | <b>76056</b>        | 0.3                        |              |
|                                       | 10                | <b>76060</b>        | 0.4                        |              |
|                                       | 12                | <b>76064</b>        | 0.4                        |              |
|                                       | 14                | <b>76066</b>        | 0.5                        |              |
|                                       | 15                | <b>76068</b>        | 0.5                        |              |
|                                       | 16                | <b>76072</b>        | 0.5                        |              |
|                                       | 20                | <b>76076</b>        | 0.6                        |              |
|                                       | 25                | <b>76080</b>        | 0.7                        |              |
|                                       | 30                | <b>76084</b>        | 0.8                        |              |
|                                       | 35                | <b>76088</b>        | 0.9                        |              |
|                                       | 40                | <b>76092</b>        | 1.0                        |              |
| <b>M5</b><br>Pitch 0.80<br>4mm Key    | 45                | <b>76096</b>        | 1.0                        | 100          |
|                                       | 50                | <b>76100</b>        | 1.0                        |              |
|                                       | 6                 | <b>76102</b>        | 0.5                        |              |
|                                       | 8                 | <b>76104</b>        | 0.5                        |              |
|                                       | 10                | <b>76108</b>        | 0.6                        |              |
|                                       | 12                | <b>76112</b>        | 0.6                        |              |
|                                       | 14                | <b>76114</b>        | 0.7                        |              |
|                                       | 15                | <b>76118</b>        | 0.7                        |              |
|                                       | 16                | <b>76120</b>        | 0.7                        |              |
|                                       | 18                | <b>76122</b>        | 0.7                        |              |
|                                       | 20                | <b>76124</b>        | 0.7                        |              |
|                                       | 22                | <b>76126</b>        | 0.9                        |              |
|                                       | 25                | <b>76128</b>        | 0.9                        |              |
|                                       | 30                | <b>76132</b>        | 1.0                        |              |
|                                       | 35                | <b>76136</b>        | 1.4                        |              |
|                                       | 40                | <b>76140</b>        | 1.5                        |              |
|                                       | 45                | <b>76144</b>        | 1.7                        |              |
|                                       | 50                | <b>76148</b>        | 1.9                        |              |
|                                       | 55                | <b>76149</b>        | 2.0                        |              |
|                                       | 60                | <b>76150</b>        | 2.0                        |              |
|                                       | 65                | <b>76151</b>        | 3.0                        |              |
|                                       | 70                | <b>76147</b>        | 3.0                        |              |
|                                       | 80                | <b>76721</b>        | 3.0                        |              |
|                                       | 90                | <b>76722</b>        | 3.5                        |              |
|                                       | 100               | <b>76723</b>        | 3.8                        |              |

| Diameter                            | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|-------------------------------------|-------------------|---------------------|----------------------------|--------------|
| <b>M6</b><br>Pitch 1.00<br>5mm Key  | 8                 | <b>76152</b>        | 0.9                        | 100          |
|                                     | 10                | <b>76156</b>        | 1.0                        |              |
|                                     | 12                | <b>76160</b>        | 1.0                        |              |
|                                     | 14                | <b>76162</b>        | 1.0                        |              |
|                                     | 15                | <b>76166</b>        | 1.0                        |              |
|                                     | 16                | <b>76168</b>        | 1.0                        |              |
|                                     | 18                | <b>76170</b>        | 1.2                        |              |
|                                     | 20                | <b>76172</b>        | 1.4                        |              |
|                                     | 22                | <b>76174</b>        | 1.5                        |              |
|                                     | 25                | <b>76176</b>        | 1.6                        |              |
|                                     | 30                | <b>76180</b>        | 1.8                        |              |
|                                     | 35                | <b>76184</b>        | 2.0                        |              |
|                                     | 40                | <b>76188</b>        | 2.4                        |              |
|                                     | 45                | <b>76192</b>        | 2.6                        |              |
|                                     | 50                | <b>76196</b>        | 2.9                        |              |
|                                     | 55                | <b>76200</b>        | 3.0                        |              |
|                                     | 60                | <b>76204</b>        | 3.0                        |              |
|                                     | 65                | <b>76208</b>        | 3.6                        |              |
|                                     | 70                | <b>76212</b>        | 3.8                        |              |
|                                     | 75                | <b>76216</b>        | 3.9                        |              |
|                                     | 80                | <b>76217</b>        | 4.0                        |              |
| <b>M8</b><br>Pitch 1.25<br>6mm Key  | 90                | <b>76218</b>        | 4.8                        | 100          |
|                                     | 100               | <b>76219</b>        | 5.0                        |              |
|                                     | 110               | <b>76215</b>        | 6.0                        |              |
|                                     | 10                | <b>76220</b>        | 2.2                        |              |
|                                     | 12                | <b>76224</b>        | 2.4                        |              |
|                                     | 14                | <b>76228</b>        | 2.5                        |              |
|                                     | 15                | <b>76230</b>        | 2.6                        |              |
|                                     | 16                | <b>76232</b>        | 2.8                        |              |
|                                     | 18                | <b>76234</b>        | 2.9                        |              |
|                                     | 20                | <b>76236</b>        | 3.0                        |              |
|                                     | 22                | <b>76238</b>        | 3.2                        |              |
|                                     | 25                | <b>76240</b>        | 3.4                        |              |
|                                     | 30                | <b>76244</b>        | 3.7                        |              |
|                                     | 35                | <b>76248</b>        | 4.0                        |              |
|                                     | 40                | <b>76252</b>        | 4.6                        |              |
|                                     | 45                | <b>76256</b>        | 5.0                        |              |
|                                     | 50                | <b>76260</b>        | 5.5                        |              |
|                                     | 55                | <b>76264</b>        | 5.9                        |              |
|                                     | 60                | <b>76268</b>        | 6.0                        |              |
|                                     | 65                | <b>76272</b>        | 6.8                        |              |
| <b>M10</b><br>Pitch 1.50<br>8mm Key | 70                | <b>76276</b>        | 7.2                        | 100          |
|                                     | 75                | <b>76280</b>        | 7.6                        |              |
|                                     | 80                | <b>76279</b>        | 8.0                        |              |
|                                     | 90                | <b>76281</b>        | 9.0                        |              |
|                                     | 100               | <b>76282</b>        | 10.0                       |              |
|                                     | 110               | <b>76283</b>        | 10.7                       |              |
|                                     | 120               | <b>76278</b>        | 11.6                       |              |
|                                     | 130               | <b>76730</b>        | 12.8                       |              |
|                                     | 140               | <b>76734</b>        | 13.8                       |              |
|                                     | 150               | <b>76738</b>        | 14.9                       |              |
|                                     | 10                | <b>76286</b>        | 4.0                        |              |
|                                     | 12                | <b>76284</b>        | 4.0                        |              |
|                                     | 15                | <b>76290</b>        | 4.6                        |              |
|                                     | 16                | <b>76292</b>        | 4.6                        |              |
|                                     | 18                | <b>76294</b>        | 4.9                        |              |
|                                     | 20                | <b>76296</b>        | 5.0                        |              |
|                                     | 22                | <b>76298</b>        | 5.4                        |              |
|                                     | 25                | <b>76300</b>        | 5.7                        |              |
|                                     | 30                | <b>76304</b>        | 6.1                        |              |

PLEASE ORDER BY PRODUCT NUMBER CODE • MADE TO PRINT ENGINEERED SPECIALS

# Socket Head Cap Screws Cont.



HEAT TREATED ALLOY STEEL TO PROPERTY CLASS 12.9  
ISO METRIC THREADS TO ANSI B1.13M • ISO 4762 & ISO 898-1  
HOLO-CODE TRACEABLE

| Diameter                             | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|--------------------------------------|-------------------|---------------------|----------------------------|--------------|
| <b>M10</b><br>(Cont.)                | 35                | <b>76308</b>        | 6.8                        | 100          |
|                                      | 40                | <b>76312</b>        | 7.5                        |              |
|                                      | 45                | <b>76316</b>        | 8                          |              |
|                                      | 50                | <b>76320</b>        | 8.8                        |              |
|                                      | 55                | <b>76324</b>        | 9.6                        |              |
|                                      | 60                | <b>76328</b>        | 5.1                        | 50           |
|                                      | 65                | <b>76332</b>        | 5.4                        |              |
|                                      | 70                | <b>76336</b>        | 5.8                        |              |
|                                      | 75                | <b>76340</b>        | 6.1                        |              |
|                                      | 80                | <b>76344</b>        | 6.4                        |              |
|                                      | 90                | <b>76348</b>        | 7.1                        |              |
|                                      | 100               | <b>76352</b>        | 7.8                        |              |
|                                      | 110               | <b>76353</b>        | 8.5                        |              |
|                                      | 120               | <b>76357</b>        | 9.0                        |              |
|                                      | 130               | <b>76354</b>        | 9.9                        |              |
|                                      | 140               | <b>76358</b>        | 10.7                       |              |
|                                      | 150               | <b>76355</b>        | 11.2                       |              |
|                                      | 220               | <b>760004512</b>    | 3.2                        | 10           |
|                                      | 240               | <b>760004520</b>    | 3.5                        |              |
|                                      | 260               | <b>760004528</b>    | 3.8                        |              |
|                                      | 280               | <b>760004536</b>    | 4.1                        |              |
|                                      | 300               | <b>760004544</b>    | 4.3                        |              |
| <b>M12</b><br>Pitch 1.75<br>10mm Key | 12                | <b>76780</b>        | 6.4                        | 100          |
|                                      | 15                | <b>76782</b>        | 6.7                        |              |
|                                      | 16                | <b>76784</b>        | 6.9                        |              |
|                                      | 20                | <b>76356</b>        | 7.0                        |              |
|                                      | 25                | <b>76360</b>        | 7.8                        |              |
|                                      | 30                | <b>76364</b>        | 8.6                        |              |
|                                      | 35                | <b>76368</b>        | 9.4                        | 50           |
|                                      | 40                | <b>76372</b>        | 5.2                        |              |
|                                      | 45                | <b>76376</b>        | 5.7                        |              |
|                                      | 50                | <b>76380</b>        | 6.1                        |              |
|                                      | 55                | <b>76384</b>        | 6.6                        |              |
|                                      | 60                | <b>76388</b>        | 7.1                        |              |
|                                      | 65                | <b>76392</b>        | 7.6                        | 25           |
|                                      | 70                | <b>76396</b>        | 8.1                        |              |
|                                      | 75                | <b>76400</b>        | 8.6                        |              |
|                                      | 80                | <b>76404</b>        | 9.0                        |              |
|                                      | 90                | <b>76408</b>        | 5.0                        |              |
|                                      | 100               | <b>76412</b>        | 5.5                        |              |
|                                      | 110               | <b>76416</b>        | 6.0                        | 10           |
|                                      | 120               | <b>76420</b>        | 6.4                        |              |
|                                      | 130               | <b>76421</b>        | 6.9                        |              |
|                                      | 140               | <b>76418</b>        | 7.5                        |              |
|                                      | 150               | <b>76422</b>        | 3.2                        |              |
|                                      | 160               | <b>76419</b>        | 3.4                        |              |
|                                      | 170               | <b>76791</b>        | 3.6                        |              |
|                                      | 180               | <b>76792</b>        | 3.8                        |              |
|                                      | 190               | <b>76793</b>        | 4.0                        |              |
|                                      | 200               | <b>76794</b>        | 4.2                        |              |
|                                      | 220               | <b>760004614</b>    | 4.6                        |              |
|                                      | 240               | <b>760004622</b>    | 5.0                        |              |
|                                      | 260               | <b>760004630</b>    | 5.4                        |              |
|                                      | 280               | <b>760004638</b>    | 5.8                        |              |
|                                      | 300               | <b>760004646</b>    | 6.2                        |              |

| Diameter                             | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|--------------------------------------|-------------------|---------------------|----------------------------|--------------|
| <b>M14</b><br>Pitch 2.00<br>12mm Key | 20MM              | <b>76820</b>        | 2.9                        | 25           |
|                                      | 25MM              | <b>76822</b>        | 3.2                        |              |
|                                      | 30MM              | <b>76824</b>        | 3.5                        |              |
|                                      | 35MM              | <b>76826</b>        | 3.7                        |              |
|                                      | 40MM              | <b>76830</b>        | 4.0                        |              |
|                                      | 45MM              | <b>76832</b>        | 4.3                        |              |
|                                      | 50MM              | <b>76834</b>        | 4.5                        |              |
|                                      | 55MM              | <b>76836</b>        | 4.8                        |              |
|                                      | 60MM              | <b>76838</b>        | 5.3                        |              |
|                                      | 65MM              | <b>76840</b>        | 5.6                        |              |
|                                      | 70MM              | <b>76842</b>        | 6.0                        |              |
|                                      | 75MM              | <b>76844</b>        | 6.3                        |              |
|                                      | 80MM              | <b>76846</b>        | 6.7                        |              |
|                                      | 85MM              | <b>76848</b>        | 7.0                        |              |
|                                      | 90MM              | <b>76850</b>        | 7.3                        |              |
|                                      | 100MM             | <b>76852</b>        | 8.0                        |              |
|                                      | 110MM             | <b>76854</b>        | 3.5                        | 10           |
|                                      | 120MM             | <b>76856</b>        | 3.8                        |              |
| <b>M16</b><br>Pitch 2.00<br>14mm Key | 25                | <b>76423</b>        | 4.2                        | 25           |
|                                      | 30                | <b>76424</b>        | 4.2                        |              |
|                                      | 35                | <b>76428</b>        | 4.8                        |              |
|                                      | 40                | <b>76432</b>        | 5.0                        |              |
|                                      | 45                | <b>76436</b>        | 5.3                        |              |
|                                      | 50                | <b>76440</b>        | 5.8                        |              |
|                                      | 55                | <b>76444</b>        | 6.2                        |              |
|                                      | 60                | <b>76448</b>        | 6.7                        |              |
|                                      | 65                | <b>76452</b>        | 7.1                        |              |
|                                      | 70                | <b>76456</b>        | 7.5                        |              |
|                                      | 75                | <b>76460</b>        | 8.0                        |              |
|                                      | 80                | <b>76464</b>        | 8.5                        |              |
|                                      | 90                | <b>76468</b>        | 9.3                        |              |
|                                      | 100               | <b>76472</b>        | 4.0                        | 10           |
|                                      | 110               | <b>76476</b>        | 4.4                        |              |
|                                      | 120               | <b>76480</b>        | 4.7                        |              |
|                                      | 130               | <b>76478</b>        | 5.1                        |              |
|                                      | 140               | <b>76479</b>        | 5.5                        |              |
|                                      | 150               | <b>76481</b>        | 5.8                        |              |
|                                      | 160               | <b>76482</b>        | 6.0                        |              |
|                                      | 180               | <b>76483</b>        | 6.2                        |              |
|                                      | 200               | <b>760004840</b>    | 7.7                        |              |
|                                      | 220               | <b>760004848</b>    | 8.4                        |              |
|                                      | 240               | <b>760004856</b>    | 9.1                        |              |
|                                      | 260               | <b>760004864</b>    | 9.8                        |              |
|                                      | 280               | <b>760004868</b>    | 10.5                       |              |
|                                      | 300               | <b>760004872</b>    | 11.2                       |              |

# Socket Head Cap Screws Cont.



HEAT TREATED ALLOY STEEL TO PROPERTY CLASS 12.9  
ISO METRIC THREADS TO ANSI B1.13M • ISO 4762 & ISO 898-1  
HOLO-CODE TRACEABLE

| Diameter                             | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|--------------------------------------|-------------------|---------------------|----------------------------|--------------|
| <b>M20</b><br>Pitch 2.50<br>17mm Key | 30                | <b>76800</b>        | 16.0                       | 25           |
|                                      | 35                | <b>76804</b>        | 3.2                        | 10           |
|                                      | 40                | <b>76484</b>        | 3.2                        |              |
|                                      | 45                | <b>76488</b>        | 3.5                        |              |
|                                      | 50                | <b>76492</b>        | 3.8                        |              |
|                                      | 55                | <b>76496</b>        | 4.0                        |              |
|                                      | 60                | <b>76500</b>        | 4.3                        |              |
|                                      | 65                | <b>76504</b>        | 4.5                        |              |
|                                      | 70                | <b>76508</b>        | 4.8                        |              |
|                                      | 75                | <b>76512</b>        | 5.1                        |              |
|                                      | 80                | <b>76516</b>        | 5.4                        |              |
|                                      | 90                | <b>76520</b>        | 5.9                        |              |
|                                      | 100               | <b>76524</b>        | 6.4                        |              |
|                                      | 110               | <b>76528</b>        | 7.0                        |              |
|                                      | 120               | <b>76532</b>        | 7.6                        |              |
|                                      | 130               | <b>76536</b>        | 8.1                        |              |
|                                      | 140               | <b>76537</b>        | 8.7                        |              |
|                                      | 150               | <b>76540</b>        | 9.2                        |              |
|                                      | 160               | <b>76541</b>        | 9.7                        |              |
|                                      | 180               | <b>76542</b>        | 9.9                        |              |
|                                      | 200               | <b>76543</b>        | 12.0                       |              |
|                                      | 220               | <b>760005432</b>    | 1.5                        | 1            |
|                                      | 240               | <b>760005434</b>    | 1.6                        |              |
|                                      | 260               | <b>760005436</b>    | 1.7                        |              |
|                                      | 280               | <b>760005438</b>    | 1.8                        |              |
|                                      | 300               | <b>760005440</b>    | 1.9                        |              |
| <b>M24</b><br>Pitch 3.00<br>19mm Key | 40                | <b>76808</b>        | 15.5                       | 25           |
|                                      | 50                | <b>76544</b>        | 6.9                        | 10           |
|                                      | 55                | <b>76810</b>        | 7.3                        |              |
|                                      | 60                | <b>76548</b>        | 7.6                        |              |
|                                      | 65                | <b>76552</b>        | 7.9                        |              |
|                                      | 70                | <b>76556</b>        | 8.2                        |              |
|                                      | 75                | <b>760005600</b>    | 8.5                        |              |
|                                      | 80                | <b>76560</b>        | 8.9                        |              |
|                                      | 90                | <b>76564</b>        | 9.6                        |              |
|                                      | 100               | <b>76568</b>        | 10.7                       |              |
|                                      | 110               | <b>76569</b>        | 11.5                       |              |
|                                      | 120               | <b>76572</b>        | 12.3                       |              |
|                                      | 130               | <b>76573</b>        | 13                         |              |
|                                      | 140               | <b>76574</b>        | 13.8                       |              |
|                                      | 150               | <b>76576</b>        | 7.3                        | 5            |
|                                      | 160               | <b>76577</b>        | 7.7                        |              |
|                                      | 180               | <b>76578</b>        | 8.5                        |              |
|                                      | 200               | <b>76579</b>        | 9.3                        |              |
|                                      | 220               | <b>76580</b>        | 10.1                       |              |
|                                      | 240               | <b>76581</b>        | 2.3                        | 1            |
|                                      | 260               | <b>76583</b>        | 2.4                        |              |
|                                      | 280               | <b>760005808</b>    | 2.6                        |              |
|                                      | 300               | <b>760005809</b>    | 2.8                        |              |

| Diameter                            | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|-------------------------------------|-------------------|---------------------|----------------------------|--------------|
| <b>M30</b><br>Pitch 3.5<br>22mm Key | 50                | <b>760005825</b>    | 1.3                        | 1            |
|                                     | 60                | <b>760005826</b>    | 1.4                        |              |
|                                     | 70                | <b>760005828</b>    | 1.5                        |              |
|                                     | 80                | <b>76584</b>        | 1.6                        |              |
|                                     | 90                | <b>76585</b>        | 1.7                        |              |
|                                     | 100               | <b>76586</b>        | 1.8                        |              |
|                                     | 110               | <b>76587</b>        | 1.9                        |              |
|                                     | 120               | <b>76592</b>        | 2.1                        |              |
|                                     | 130               | <b>76588</b>        | 2.2                        |              |
|                                     | 140               | <b>76593</b>        | 2.3                        |              |
|                                     | 150               | <b>76589</b>        | 2.5                        |              |
|                                     | 160               | <b>76594</b>        | 2.6                        |              |
|                                     | 180               | <b>76590</b>        | 2.9                        |              |
|                                     | 200               | <b>76591</b>        | 3.1                        |              |
|                                     | 220               | <b>76595</b>        | 3.4                        |              |
|                                     | 240               | <b>76596</b>        | 3.6                        |              |
|                                     | 260               | <b>760005970</b>    | 3.9                        |              |
|                                     | 280               | <b>760005975</b>    | 4.1                        |              |
|                                     | 300               | <b>76598</b>        | 4.3                        |              |
|                                     | 320               | <b>760005990</b>    | 4.6                        |              |
| <b>M36</b><br>Pitch 4<br>27mm Key   | 340               | <b>760005992</b>    | 4.8                        | 1            |
|                                     | 360               | <b>760005994</b>    | 5.1                        |              |
|                                     | 380               | <b>760005996</b>    | 5.3                        |              |
|                                     | 420               | <b>760005998</b>    | 5.8                        |              |
|                                     | 80                | <b>76900</b>        | 2.6                        |              |
|                                     | 90                | <b>76902</b>        | 2.7                        |              |
|                                     | 100               | <b>76906</b>        | 2.8                        |              |
|                                     | 110               | <b>76910</b>        | 3.0                        |              |
|                                     | 120               | <b>76914</b>        | 3.3                        |              |
|                                     | 130               | <b>76918</b>        | 3.4                        |              |
|                                     | 140               | <b>76922</b>        | 3.6                        |              |
|                                     | 150               | <b>76926</b>        | 3.8                        |              |
|                                     | 160               | <b>76930</b>        | 4.0                        |              |
|                                     | 170               | <b>76934</b>        | 4.2                        |              |
|                                     | 180               | <b>76938</b>        | 4.4                        |              |
|                                     | 200               | <b>76942</b>        | 4.7                        |              |
|                                     | 220               | <b>760009640</b>    | 5.0                        |              |
|                                     | 240               | <b>76946</b>        | 5.4                        |              |
|                                     | 260               | <b>76950</b>        | 5.8                        |              |
|                                     | 280               | <b>760009646</b>    | 6.1                        |              |
|                                     | 300               | <b>760009650</b>    | 6.4                        |              |
|                                     | 340               | <b>760009660</b>    | 7.1                        |              |
|                                     | 360               | <b>760009700</b>    | 7.4                        |              |
|                                     | 380               | <b>760009740</b>    | 7.8                        |              |
|                                     | 400               | <b>760009780</b>    | 8.1                        |              |
|                                     | 420               | <b>760009820</b>    | 8.5                        |              |
|                                     | 440               | <b>760009860</b>    | 8.9                        |              |
|                                     | 460               | <b>760009880</b>    | 9.3                        |              |
|                                     | 480               | <b>760009940</b>    | 9.5                        |              |
|                                     | 520               | <b>760009980</b>    | 10.3                       |              |
|                                     | 540               | <b>760009984</b>    | 10.6                       |              |
|                                     | 560               | <b>760009985</b>    | 10.9                       |              |
|                                     | 580               | <b>760009988</b>    | 11.2                       |              |
|                                     | 600               | <b>760009990</b>    | 11.6                       |              |
|                                     | 640               | <b>760009994</b>    | 12.3                       |              |
|                                     | 650               | <b>760009995</b>    | 12.5                       |              |

# Socket Low Head Cap Screws



ISO METRIC THREADS TO ANSI B1.13M  
HEAT TREATED TO PROPERTY CLASS 10.9

| Diameter                                               | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|--------------------------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M4</b><br>Pitch 0.70<br>3 mm Key<br>Head Height 2.8 | 8                 | <b>69304</b>        | 0.4                           | 100          |
|                                                        | 10                | <b>69308</b>        | 0.4                           |              |
|                                                        | 12                | <b>69312</b>        | 0.4                           |              |
|                                                        | 15                | <b>69316</b>        | 0.5                           |              |
|                                                        | 16                | <b>69320</b>        | 0.5                           |              |
|                                                        | 18                | <b>69329</b>        | 0.5                           |              |
|                                                        | 20                | <b>69328</b>        | 0.6                           |              |
|                                                        | 25                | <b>69332</b>        | 0.7                           |              |
| <b>M5</b><br>Pitch 0.80<br>4 mm Key<br>Head Height 3.5 | 30                | <b>69336</b>        | 0.7                           | 100          |
|                                                        | 8                 | <b>69350</b>        | 0.7                           |              |
|                                                        | 10                | <b>69354</b>        | 0.7                           |              |
|                                                        | 12                | <b>69358</b>        | 0.8                           |              |
|                                                        | 16                | <b>69370</b>        | 0.9                           |              |
|                                                        | 20                | <b>69374</b>        | 0.9                           |              |
|                                                        | 25                | <b>69378</b>        | 1.1                           |              |
|                                                        | 30                | <b>69382</b>        | 1.2                           |              |
| <b>M6</b><br>Pitch 1.00<br>5 mm Key<br>Head Height 4.0 | 8                 | <b>69390</b>        | 0.9                           | 100          |
|                                                        | 10                | <b>69394</b>        | 0.9                           |              |
|                                                        | 12                | <b>69398</b>        | 1.0                           |              |
|                                                        | 14                | <b>69402</b>        | 1.1                           |              |
|                                                        | 15                | <b>69406</b>        | 1.1                           |              |
|                                                        | 16                | <b>69410</b>        | 1.2                           |              |
|                                                        | 20                | <b>69414</b>        | 1.3                           |              |
|                                                        | 25                | <b>69418</b>        | 1.6                           |              |
|                                                        | 30                | <b>69422</b>        | 1.7                           |              |
|                                                        | 35                | <b>69426</b>        | 2.1                           |              |
|                                                        | 40                | <b>69430</b>        | 2.3                           |              |
|                                                        | 45                | <b>69434</b>        | 2.5                           |              |
| <b>M8</b><br>Pitch 1.25<br>6 mm Key<br>Head Height 5.0 | 50                | <b>69438</b>        | 2.8                           | 100          |
|                                                        | 12                | <b>69450</b>        | 2.1                           |              |
|                                                        | 15                | <b>69455</b>        | 2.2                           |              |
|                                                        | 16                | <b>69458</b>        | 2.3                           |              |
|                                                        | 20                | <b>69462</b>        | 2.6                           |              |
|                                                        | 25                | <b>69466</b>        | 3.0                           |              |
|                                                        | 30                | <b>69472</b>        | 3.3                           |              |

| Diameter                                                  | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|-----------------------------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M8</b><br>(Cont.)                                      | 35                | <b>69476</b>        | 3.7                           | 100          |
|                                                           | 40                | <b>69480</b>        | 4.2                           |              |
|                                                           | 45                | <b>69484</b>        | 2.5                           |              |
|                                                           | 50                | <b>69488</b>        | 2.6                           | 50           |
|                                                           | 60                | <b>69492</b>        | 3.0                           |              |
| <b>M10</b><br>Pitch 1.50<br>8 mm Key<br>Head Height 6.5   | 15                | <b>69501</b>        | 4.0                           | 100          |
|                                                           | 16                | <b>69504</b>        | 4.0                           |              |
|                                                           | 20                | <b>69508</b>        | 4.3                           |              |
|                                                           | 25                | <b>69512</b>        | 4.9                           |              |
|                                                           | 30                | <b>69516</b>        | 5.5                           |              |
|                                                           | 35                | <b>69520</b>        | 3.1                           | 50           |
|                                                           | 40                | <b>69524</b>        | 3.3                           |              |
|                                                           | 45                | <b>69528</b>        | 3.7                           |              |
|                                                           | 50                | <b>69532</b>        | 4.1                           |              |
|                                                           | 55                | <b>69536</b>        | 4.4                           |              |
| <b>M12</b><br>Pitch 1.75<br>10 mm Key<br>Head Height 8.0  | 60                | <b>69540</b>        | 4.7                           | 50           |
|                                                           | 70                | <b>69544</b>        | 5.4                           |              |
|                                                           | 20                | <b>69550</b>        | 3.2                           |              |
|                                                           | 25                | <b>69554</b>        | 3.7                           |              |
|                                                           | 30                | <b>69558</b>        | 4.1                           |              |
|                                                           | 35                | <b>69562</b>        | 4.4                           |              |
|                                                           | 40                | <b>69566</b>        | 2.4                           |              |
|                                                           | 45                | <b>69570</b>        | 2.6                           |              |
|                                                           | 50                | <b>69574</b>        | 2.9                           |              |
|                                                           | 60                | <b>69578</b>        | 3.4                           |              |
| <b>M16</b><br>Pitch 2.00<br>12 mm Key<br>Head Height 10.0 | 80                | <b>69582</b>        | 4.5                           | 25           |
|                                                           | 100               | <b>69586</b>        | 5.5                           |              |
|                                                           | 30                | <b>69590</b>        | 1.7                           |              |
|                                                           | 35                | <b>69594</b>        | 1.9                           |              |
|                                                           | 40                | <b>69598</b>        | 2.0                           |              |
|                                                           | 45                | <b>69602</b>        | 2.1                           |              |
|                                                           | 50                | <b>69606</b>        | 2.3                           |              |
|                                                           | 60                | <b>69610</b>        | 2.6                           |              |
|                                                           | 70                | <b>69614</b>        | 3.0                           |              |
|                                                           | 90                | <b>69618</b>        | 3.7                           |              |
|                                                           | 100               | <b>69622</b>        | 4.1                           |              |

# Socket Head Cap Screws



STAINLESS STEEL  
ISO 4762 • ISO 3506-1 • CLASS A2-70

| Diameter                             | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|--------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M3</b><br>Pitch 0.50<br>2.5mm Key | 5                 | <b>770305005</b>    | 0.2                           | 100          |
|                                      | 6                 | <b>77004</b>        | 0.1                           |              |
|                                      | 8                 | <b>77008</b>        | 0.2                           |              |
|                                      | 10                | <b>77012</b>        | 0.2                           |              |
|                                      | 12                | <b>77016</b>        | 0.2                           |              |
|                                      | 16                | <b>77020</b>        | 0.2                           |              |
|                                      | 20                | <b>770305020</b>    | 0.3                           |              |
|                                      | 25                | <b>770305025</b>    | 0.4                           |              |
|                                      | 30                | <b>770305030</b>    | 0.4                           |              |
|                                      | 35                | <b>770305035</b>    | 0.5                           |              |

| Diameter                           | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M4</b><br>Pitch 0.70<br>3mm Key | 5                 | <b>770407005</b>    | 0.3                           | 100          |
|                                    | 6                 | <b>770407006</b>    | 0.3                           |              |
|                                    | 8                 | <b>77044</b>        | 0.3                           |              |
|                                    | 10                | <b>77048</b>        | 0.4                           |              |
|                                    | 12                | <b>77052</b>        | 0.4                           |              |
|                                    | 14                | <b>770407014</b>    | 0.5                           |              |
|                                    | 16                | <b>77056</b>        | 0.5                           |              |
|                                    | 20                | <b>77060</b>        | 0.6                           |              |
|                                    | 25                | <b>77064</b>        | 0.7                           |              |
|                                    | 30                | <b>77068</b>        | 0.8                           |              |
|                                    | 32                | <b>77070</b>        | 0.9                           |              |
|                                    | 35                | <b>770407035</b>    | 0.9                           |              |
|                                    | 40                | <b>770407040</b>    | 1.0                           |              |
|                                    | 45                | <b>770407045</b>    | 1.1                           |              |
|                                    | 50                | <b>770407050</b>    | 1.2                           |              |

# Socket Head Cap Screws Cont.



STAINLESS STEEL  
ISO 4762 • ISO 3506-1 • CLASS A2-70

| Diameter                           | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M5</b><br>Pitch 0.80<br>4mm Key | 6                 | 770508006           | 0.6                           | 100          |
|                                    | 8                 | 770508008           | 0.6                           |              |
|                                    | 10                | 77084               | 0.6                           |              |
|                                    | 12                | 77088               | 0.6                           |              |
|                                    | 14                | 770508014           | 0.8                           |              |
|                                    | 16                | 77092               | 0.7                           |              |
|                                    | 20                | 77096               | 0.7                           |              |
|                                    | 22                | 77098               | 0.8                           |              |
|                                    | 25                | 77100               | 0.9                           |              |
|                                    | 30                | 77104               | 1.0                           |              |
|                                    | 35                | 77108               | 1.4                           |              |
|                                    | 40                | 77110               | 1.5                           |              |
|                                    | 45                | 770508045           | 1.8                           |              |
|                                    | 50                | 770508050           | 2.0                           |              |
|                                    | 55                | 770508055           | 2.1                           |              |
|                                    | 60                | 770508060           | 2.3                           |              |
|                                    | 65                | 770508065           | 2.5                           |              |
|                                    | 70                | 770508070           | 2.6                           |              |
|                                    | 80                | 770508080           | 3.2                           |              |
|                                    | 90                | 770508090           | 3.3                           |              |

| Diameter                           | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M6</b><br>Pitch 1.00<br>5mm Key | 8                 | 770610008           | 1.0                           | 100          |
|                                    | 10                | 770610010           | 1.1                           |              |
|                                    | 12                | 77124               | 1.0                           |              |
|                                    | 16                | 77128               | 1.2                           |              |
|                                    | 18                | 770610018           | 1.4                           |              |
|                                    | 20                | 77132               | 1.4                           |              |
|                                    | 22                | 77134               | 1.5                           |              |
|                                    | 25                | 77136               | 1.6                           |              |
|                                    | 30                | 77140               | 1.8                           |              |
|                                    | 35                | 770610035           | 2.2                           |              |
|                                    | 40                | 770610040           | 2.4                           |              |
|                                    | 45                | 770610045           | 2.6                           |              |
|                                    | 50                | 770610050           | 2.9                           |              |
|                                    | 55                | 770610055           | 3.1                           |              |
|                                    | 60                | 770610060           | 3.4                           |              |
|                                    | 65                | 770610065           | 3.5                           |              |
|                                    | 70                | 770610070           | 3.7                           |              |
|                                    | 75                | 770610075           | 4.1                           |              |
|                                    | 80                | 770610080           | 4.3                           |              |
|                                    | 90                | 770610090           | 4.8                           |              |
|                                    | 100               | 770610100           | 5.3                           |              |
|                                    | 110               | 770610110           | 5.8                           |              |

# Socket Flat Head Cap Screws



HEAT TREATED ALLOY STEEL ISO 10642 PROPERTY CLASS 12.9\*  
METRIC THREADS TO ANSI B1.13M

\* Because of their head configurations, those may not meet the minimum ultimate tensile load specified in ISO 898-1 for property class 12.9.

| Diameter                              | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---------------------------------------|----------------|---------------------|-------------------------------|--------------|
| <b>M3</b><br>Pitch 0.50<br>2mm Key    | 6              | 87003               | 0.1                           | 100          |
|                                       | 8              | 87004               | 0.1                           |              |
|                                       | 10             | 87008               | 0.1                           |              |
|                                       | 12             | 87012               | 0.1                           |              |
|                                       | 15             | 87014               | 0.1                           |              |
|                                       | 16             | 87016               | 0.1                           |              |
|                                       | 20             | 87020               | 0.2                           |              |
|                                       | 25             | 87021               | 0.3                           |              |
| <b>M4</b><br>Pitch 0.70<br>2.55mm Key | 30             | 87022               | 0.3                           | 100          |
|                                       | 8              | 87024               | 0.2                           |              |
|                                       | 10             | 87028               | 0.2                           |              |
|                                       | 12             | 87032               | 0.3                           |              |
|                                       | 15             | 87034               | 0.3                           |              |
|                                       | 16             | 87036               | 0.3                           |              |
|                                       | 18             | 87038               | 0.5                           |              |
|                                       | 20             | 87040               | 0.4                           |              |
|                                       | 25             | 87044               | 0.5                           |              |
|                                       | 30             | 87048               | 0.6                           |              |
| <b>M5</b><br>Pitch 0.80<br>3mm Key    | 35             | 87049               | 0.7                           | 100          |
|                                       | 40             | 87050               | 0.9                           |              |
|                                       | 8              | 87052               | 0.3                           |              |
|                                       | 10             | 87056               | 0.4                           |              |
|                                       | 12             | 87060               | 0.4                           |              |
|                                       | 15             | 87062               | 0.5                           |              |
|                                       | 16             | 87064               | 0.5                           |              |
|                                       | 18             | 87066               | 0.6                           |              |
|                                       | 20             | 87068               | 0.7                           |              |

| Diameter                           | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|------------------------------------|----------------|---------------------|-------------------------------|--------------|
| <b>M5</b><br>(Cont.)               | 25             | 87072               | 0.8                           | 100          |
|                                    | 30             | 87076               | 0.9                           |              |
|                                    | 35             | 87077               | 1.3                           |              |
|                                    | 40             | 87078               | 1.4                           |              |
|                                    | 45             | 87080               | 1.6                           |              |
|                                    | 50             | 87079               | 1.8                           |              |
| <b>M6</b><br>Pitch 1.00<br>4mm Key | 10             | 87084               | 0.6                           | 100          |
|                                    | 12             | 87088               | 0.7                           |              |
|                                    | 15             | 87090               | 0.8                           |              |
|                                    | 16             | 87092               | 0.8                           |              |
|                                    | 18             | 87094               | 0.9                           |              |
|                                    | 20             | 87096               | 1.0                           |              |
|                                    | 25             | 87100               | 1.1                           |              |
|                                    | 30             | 87104               | 1.3                           |              |
|                                    | 35             | 87108               | 1.5                           |              |
|                                    | 40             | 87112               | 1.7                           |              |
|                                    | 45             | 87113               | 2.1                           |              |
|                                    | 50             | 87114               | 2.5                           |              |
| <b>M8</b><br>Pitch 1.25<br>5mm Key | 60             | 87115               | 2.8                           | 100          |
|                                    | 15             | 87122               | 1.5                           |              |
|                                    | 16             | 87124               | 1.6                           |              |
|                                    | 20             | 87128               | 1.9                           |              |
|                                    | 25             | 87132               | 2.2                           |              |
|                                    | 30             | 87136               | 2.5                           |              |
|                                    | 35             | 87140               | 2.9                           |              |
|                                    | 40             | 87144               | 3.2                           |              |

PLEASE ORDER BY PRODUCT NUMBER CODE • MADE TO PRINT ENGINEERED SPECIALS



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# Socket Flat Head Cap Screws Cont.



\* Because of their head configurations, those may not meet the minimum ultimate tensile load specified in ISO 898-1 for property class 12.9.

HEAT TREATED ALLOY STEEL ISO 10642 PROPERTY CLASS 12.9\*  
METRIC THREADS TO ANSI B1.13M

| Diameter                            | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|-------------------------------------|----------------|---------------------|-------------------------------|--------------|
| <b>M8</b><br>(Cont.)                | 45             | <b>87143</b>        | 3.9                           | 100          |
|                                     | 50             | <b>87145</b>        | 4.4                           |              |
|                                     | 55             | <b>87148</b>        | 4.8                           |              |
|                                     | 60             | <b>87146</b>        | 5.5                           |              |
|                                     | 70             | <b>87147</b>        | 6.6                           |              |
| <b>M10</b><br>Pitch 1.50<br>6mm Key | 15             | <b>87151</b>        | 2.5                           | 100          |
|                                     | 16             | <b>87149</b>        | 2.6                           |              |
|                                     | 20             | <b>87152</b>        | 3.1                           |              |
|                                     | 25             | <b>87156</b>        | 3.6                           |              |
|                                     | 30             | <b>87160</b>        | 3.1                           |              |
|                                     | 35             | <b>87164</b>        | 4.6                           |              |
|                                     | 40             | <b>87168</b>        | 5.2                           |              |
|                                     | 45             | <b>87172</b>        | 6.4                           |              |
|                                     | 50             | <b>87176</b>        | 7.0                           |              |
|                                     | 55             | <b>87173</b>        | 7.6                           |              |
|                                     | 60             | <b>87177</b>        | 8.0                           |              |
|                                     | 70             | <b>87178</b>        | 4.6                           | 50           |
|                                     | 80             | <b>87174</b>        | 5.5                           |              |
|                                     | 90             | <b>87175</b>        | 6.0                           |              |
|                                     | 100            | <b>87179</b>        | 6.9                           |              |

| Diameter                             | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|--------------------------------------|----------------|---------------------|-------------------------------|--------------|
| <b>M12</b><br>Pitch 1.75<br>8mm Key  | 20             | <b>87180</b>        | 4.6                           | 100          |
|                                      | 25             | <b>87184</b>        | 5.4                           |              |
|                                      | 30             | <b>87188</b>        | 6.2                           |              |
|                                      | 35             | <b>87192</b>        | 7.0                           |              |
|                                      | 40             | <b>87196</b>        | 7.8                           |              |
|                                      | 45             | <b>87200</b>        | 4.7                           | 50           |
|                                      | 50             | <b>87204</b>        | 5.0                           |              |
|                                      | 55             | <b>87205</b>        | 5.4                           |              |
|                                      | 60             | <b>87206</b>        | 5.8                           |              |
|                                      | 70             | <b>87198</b>        | 7.0                           |              |
| <b>M16</b><br>Pitch 2.00<br>10mm Key | 80             | <b>87201</b>        | 8.0                           |              |
|                                      | 90             | <b>87202</b>        | 9.0                           |              |
|                                      | 100            | <b>87203</b>        | 10.0                          |              |
|                                      | 30             | <b>87207</b>        | 5.6                           | 50           |
|                                      | 35             | <b>87208</b>        | 6.4                           |              |
|                                      | 40             | <b>87212</b>        | 3.5                           | 25           |
|                                      | 45             | <b>87213</b>        | 4.2                           |              |
|                                      | 50             | <b>87216</b>        | 4.3                           |              |
|                                      | 55             | <b>87218</b>        | 4.9                           |              |
|                                      | 60             | <b>87220</b>        | 5.0                           |              |
|                                      | 70             | <b>87221</b>        | 6.3                           |              |

## Socket Button Head Cap Screws



HEAT TREATED ALLOY STEEL  
ISO 7380 PROPERTY CLASS 12.9\* METRIC THREADS TO ANSI B1.13M

| Diameter                              | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M3</b><br>Pitch 0.50<br>2mm Key    | 6                 | <b>86002</b>        | 0.1                           | 100          |
|                                       | 8                 | <b>86001</b>        | 0.1                           |              |
|                                       | 10                | <b>86003</b>        | 0.1                           |              |
|                                       | 12                | <b>86005</b>        | 0.2                           |              |
|                                       | 14                | <b>86004</b>        | 0.2                           |              |
|                                       | 16                | <b>86006</b>        | 0.2                           |              |
| <b>M4</b><br>Pitch 0.70<br>2.55mm Key | 8                 | <b>86007</b>        | 0.3                           | 100          |
|                                       | 10                | <b>86009</b>        | 0.3                           |              |
|                                       | 12                | <b>86011</b>        | 0.3                           |              |
|                                       | 15                | <b>86012</b>        | 0.4                           |              |
|                                       | 16                | <b>86013</b>        | 0.4                           |              |
| <b>M5</b><br>Pitch 0.80<br>3mm Key    | 10                | <b>86015</b>        | 0.5                           | 100          |
|                                       | 12                | <b>86017</b>        | 0.5                           |              |
|                                       | 15                | <b>86018</b>        | 0.6                           |              |
|                                       | 16                | <b>86019</b>        | 0.6                           |              |
|                                       | 20                | <b>86021</b>        | 0.8                           |              |
|                                       | 25                | <b>86023</b>        | 0.9                           |              |
|                                       | 30                | <b>86025</b>        | 1.0                           |              |
| <b>M6</b><br>Pitch 1.00<br>4mm Key    | 10                | <b>86027</b>        | 0.7                           | 100          |
|                                       | 12                | <b>86029</b>        | 0.7                           |              |
|                                       | 15                | <b>86030</b>        | 0.8                           |              |
|                                       | 16                | <b>86031</b>        | 0.9                           |              |
|                                       | 18                | <b>86032</b>        | 1.0                           |              |
|                                       | 20                | <b>86033</b>        | 1.1                           |              |
|                                       | 22                | <b>86034</b>        | 1.2                           |              |
|                                       | 25                | <b>86035</b>        | 1.2                           |              |
|                                       | 30                | <b>86037</b>        | 1.6                           |              |

| Diameter                            | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|-------------------------------------|-------------------|---------------------|-------------------------------|--------------|
| <b>M8</b><br>Pitch 1.25<br>5mm Key  | 10                | <b>86039</b>        | 1.0                           | 100          |
|                                     | 12                | <b>86041</b>        | 1.2                           |              |
|                                     | 15                | <b>86042</b>        | 1.5                           |              |
|                                     | 16                | <b>86043</b>        | 1.5                           |              |
|                                     | 18                | <b>86044</b>        | 1.7                           |              |
|                                     | 20                | <b>86045</b>        | 1.9                           |              |
|                                     | 25                | <b>86047</b>        | 2.3                           |              |
|                                     | 30                | <b>86049</b>        | 2.8                           |              |
|                                     | 35                | <b>86050</b>        | 3.2                           |              |
| <b>M10</b><br>Pitch 1.50<br>6mm Key | 40                | <b>86051</b>        | 3.6                           | 100          |
|                                     | 15                | <b>86052</b>        | 3.0                           |              |
|                                     | 16                | <b>86053</b>        | 3.2                           |              |
|                                     | 20                | <b>86055</b>        | 3.7                           |              |
|                                     | 25                | <b>86057</b>        | 4.2                           |              |
|                                     | 30                | <b>86059</b>        | 4.3                           |              |
| <b>M12</b><br>Pitch 1.75<br>8mm Key | 35                | <b>86060</b>        | 4.7                           | 100          |
|                                     | 40                | <b>86061</b>        | 5.0                           |              |
|                                     | 16                | <b>86062</b>        | 4.4                           |              |
|                                     | 20                | <b>86063</b>        | 5.1                           |              |
|                                     | 25                | <b>86065</b>        | 5.9                           |              |
|                                     | 30                | <b>86070</b>        | 3.3                           | 50           |
|                                     | 35                | <b>86075</b>        | 3.7                           |              |
|                                     | 40                | <b>86080</b>        | 4.1                           |              |
|                                     | 40                | <b>86080</b>        | 4.1                           | 50           |
|                                     | 50                | <b>86085</b>        | 4.9                           |              |

\* Because of their head configurations, those may not meet the minimum ultimate tensile load specified in ISO 898-1 for property class 12.9.

# Socket Shoulder Screws



HEAT TREATED ALLOY STEEL • ISO 7379\*\*\* PROPERTY CLASS 12.9\*  
METRIC THREADS TO ANSI B1.13M

| Diameter                                      | Shoulder Length | Thread Diameter | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|-----------------------------------------------|-----------------|-----------------|---------------------|-------------------------------|--------------|
| <b>6mm</b><br>3mm KEY<br>(6.000)<br>(5.982)   | 10              | M5              | <b>09002</b>        | 0.4                           | 25           |
|                                               | 12              |                 | <b>09001</b>        | 0.4                           |              |
|                                               | 15              |                 | <b>09104</b>        | 0.41                          |              |
|                                               | 16              |                 | <b>09003</b>        | 0.4                           |              |
|                                               | 20              |                 | <b>09005</b>        | 0.5                           |              |
|                                               | 25              |                 | <b>09110</b>        | 0.5                           |              |
|                                               | 30              |                 | <b>09114</b>        | 0.59                          |              |
|                                               | 40              |                 | <b>09118</b>        | 0.71                          |              |
| <b>8mm</b><br>4mm KEY<br>(8.000)<br>(7.978)   | 12              | M6              | <b>09006</b>        | 0.7                           | 25           |
|                                               | 15              |                 | <b>09124</b>        | 0.76                          |              |
|                                               | 16              |                 | <b>09007</b>        | 0.8                           |              |
|                                               | 20              |                 | <b>09009</b>        | 0.9                           |              |
|                                               | 25              |                 | <b>09011</b>        | 1.0                           |              |
|                                               | 30              |                 | <b>09013</b>        | 1.1                           |              |
|                                               | 40              |                 | <b>09015</b>        | 1.3                           |              |
| <b>10mm</b><br>5mm KEY<br>(10.000)<br>(9.978) | 50              | M8              | <b>09132</b>        | 1.52                          | 25           |
|                                               | 15              |                 | <b>09144</b>        | 1.4                           |              |
|                                               | 16              |                 | <b>09016</b>        | 1.4                           |              |
|                                               | 20              |                 | <b>09017</b>        | 1.5                           |              |
|                                               | 25              |                 | <b>09019</b>        | 1.7                           |              |
|                                               | 30              |                 | <b>09021</b>        | 1.8                           |              |
|                                               | 40              |                 | <b>09023</b>        | 2.2                           |              |
|                                               | 50              |                 | <b>09025</b>        | 2.6                           |              |
|                                               | 60              |                 | <b>09027</b>        | 2.9                           |              |
|                                               | 70              |                 | <b>09029</b>        | 3.2                           |              |
|                                               | 80              |                 | <b>09031</b>        | 3.5                           |              |

| Diameter                                        | Shoulder Length | Thread Diameter | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|-------------------------------------------------|-----------------|-----------------|---------------------|-------------------------------|--------------|
| <b>12mm</b><br>6 mm KEY<br>(12.000)<br>(11.973) | 15              | M10             | <b>09156</b>        | 2.0                           | 25           |
|                                                 | 16              |                 | <b>09032</b>        | 2.1                           |              |
|                                                 | 20              |                 | <b>09033</b>        | 2.3                           |              |
|                                                 | 25              |                 | <b>09035</b>        | 2.5                           |              |
|                                                 | 30              |                 | <b>09037</b>        | 2.8                           |              |
|                                                 | 40              |                 | <b>09039</b>        | 3.3                           |              |
|                                                 | 50              |                 | <b>09041</b>        | 3.8                           |              |
|                                                 | 60              |                 | <b>09043</b>        | 4.2                           |              |
|                                                 | 70              |                 | <b>09045</b>        | 4.7                           |              |
|                                                 | 80              |                 | <b>09046</b>        | 5.2                           |              |
|                                                 | 90              |                 | <b>09160</b>        | 5.7                           |              |
| <b>16mm</b><br>8mm KEY<br>(16.000)<br>(15.973)  | 100             |                 | <b>09164</b>        | 6.2                           | 25           |
|                                                 | 30              | M12             | <b>09047</b>        | 5.2                           |              |
|                                                 | 40              |                 | <b>09048</b>        | 6.3                           |              |
|                                                 | 50              |                 | <b>09049</b>        | 6.9                           |              |
|                                                 | 60              |                 | <b>09050</b>        | 8.0                           |              |
|                                                 | 70              |                 | <b>09051</b>        | 8.7                           |              |
|                                                 | 80              |                 | <b>09052</b>        | 9.8                           |              |
|                                                 | 90              |                 | <b>09053</b>        | 4.3                           | 10           |
|                                                 | 100             |                 | <b>09055</b>        | 4.5                           |              |
|                                                 | 120             |                 | <b>09054</b>        | 5.3                           |              |

\* Because of their configuration these cannot be subject to tensile testing

\*\*\* Except shoulder dia to be h8



## Dowel Pins Black Lustre Finish

RUST RESISTANT • .0051MM OVER LISTED DIAMETER • MEETS ASME/ANSI B18.8.5M

| Diameter   | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------|----------------|---------------------|-------------------------------|-------------|
| <b>3mm</b> | 8              | <b>02001</b>        | 0.1                           | 100         |
|            | 10             | <b>02003</b>        | 0.1                           |             |
|            | 12             | <b>02005</b>        | 0.2                           |             |
|            | 16             | <b>02007</b>        | 0.2                           |             |
|            | 20             | <b>02009</b>        | 0.3                           |             |
|            | 25             | <b>02011</b>        | 0.3                           |             |
|            | 30             | <b>02013</b>        | 0.4                           |             |
| <b>4mm</b> | 10             | <b>02015</b>        | 0.2                           | 100         |
|            | 12             | <b>02017</b>        | 0.3                           |             |
|            | 16             | <b>02019</b>        | 0.4                           |             |
|            | 20             | <b>02021</b>        | 0.5                           |             |
|            | 25             | <b>02023</b>        | 0.6                           |             |
|            | 30             | <b>02025</b>        | 0.7                           |             |
|            | 35             | <b>02027</b>        | 0.8                           |             |
| <b>5mm</b> | 12             | <b>02029</b>        | 0.5                           | 100         |
|            | 16             | <b>02031</b>        | 0.6                           |             |
|            | 20             | <b>02033</b>        | 0.7                           |             |
|            | 25             | <b>02035</b>        | 0.9                           |             |
|            | 30             | <b>02037</b>        | 1.1                           |             |
|            | 35             | <b>02039</b>        | 1.3                           |             |
|            | 40             | <b>02041</b>        | 1.4                           |             |

| Diameter              | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------------|----------------|---------------------|-------------------------------|-------------|
| <b>5mm</b><br>(Cont.) | 45             | <b>02043</b>        | 1.6                           | 100         |
|                       | 50             | <b>02045</b>        | 1.8                           |             |
| <b>6mm</b>            | 16             | <b>02047</b>        | 0.8                           | 100         |
|                       | 20             | <b>02049</b>        | 1.0                           |             |
|                       | 25             | <b>02051</b>        | 0.8                           |             |
|                       | 30             | <b>02053</b>        | 1.2                           |             |
|                       | 35             | <b>02055</b>        | 1.7                           |             |
|                       | 40             | <b>02057</b>        | 1.9                           |             |
|                       | 45             | <b>02059</b>        | 2.2                           |             |
|                       | 50             | <b>02061</b>        | 2.4                           |             |
| <b>8mm</b>            | 60             | <b>02063</b>        | 2.9                           | 100         |
|                       | 16             | <b>02065</b>        | 1.4                           |             |
|                       | 20             | <b>02067</b>        | 1.7                           |             |
|                       | 25             | <b>02069</b>        | 2.2                           |             |
|                       | 30             | <b>02071</b>        | 2.4                           |             |
|                       | 35             | <b>02073</b>        | 2.9                           |             |
|                       | 40             | <b>02075</b>        | 3.3                           |             |
|                       | 45             | <b>02077</b>        | 4.0                           |             |
|                       | 50             | <b>02079</b>        | 4.2                           |             |
|                       | 60             | <b>02081</b>        | 5.4                           |             |
|                       | 70             | <b>02083</b>        | 6.3                           |             |



# Dowel Pins

## Black Lustre Finish Cont.

RUST RESISTANT • .0051MM OVER LISTED DIAMETER • MEETS ASME/ANSI B18.8.5M

| Diameter | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------|----------------|---------------------|-------------------------------|-------------|
| 10mm     | 20             | 02085               | 2.6                           | 100         |
|          | 25             | 02087               | 3.3                           |             |
|          | 30             | 02089               | 4.0                           |             |
|          | 35             | 02091               | 4.6                           |             |
|          | 40             | 02093               | 5.3                           |             |
|          | 45             | 02095               | 2.5                           | 40          |
|          | 50             | 02097               | 2.8                           |             |
|          | 60             | 02099               | 3.2                           |             |
|          | 70             | 02101               | 3.8                           |             |
|          | 80             | 02103               | 4.4                           |             |
| 12mm     | 90             | 02105               | 4.8                           | 40          |
|          | 25             | 02107               | 2.1                           |             |
|          | 30             | 02109               | 2.4                           |             |
|          | 35             | 02111               | 2.6                           |             |
|          | 40             | 02113               | 3.1                           |             |
|          | 45             | 02115               | 3.5                           | 20          |
|          | 50             | 02117               | 3.9                           |             |
|          | 60             | 02119               | 2.3                           |             |
|          | 70             | 02121               | 2.7                           |             |
|          | 80             | 02123               | 3.2                           |             |
|          | 90             | 02125               | 3.6                           |             |
|          | 100            | 02127               | 3.8                           |             |

| Diameter | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------|----------------|---------------------|-------------------------------|-------------|
| 16mm     | 30             | 02131               | 1.0                           | 10          |
|          | 35             | 02133               | 1.2                           |             |
|          | 40             | 02135               | 1.4                           |             |
|          | 45             | 02137               | 1.6                           |             |
|          | 50             | 02139               | 1.7                           |             |
|          | 60             | 02141               | 2.1                           |             |
|          | 70             | 02143               | 2.4                           |             |
|          | 80             | 02145               | 2.7                           |             |
|          | 90             | 02147               | 3.1                           |             |
|          | 100            | 02149               | 3.5                           |             |
| 20mm     | 50             | 02151               | 2.7                           | 10          |
|          | 60             | 02153               | 3.2                           |             |
|          | 70             | 02155               | 3.7                           |             |
|          | 80             | 02157               | 4.3                           |             |
|          | 90             | 02159               | 4.9                           |             |
|          | 100            | 02161               | 5.4                           |             |
|          | 110            | 02163               | 5.9                           |             |
|          | 120            | 02165               | 6.5                           |             |
|          | 130            | 02167               | 7.0                           |             |
|          | 140            | 02169               | 7.6                           |             |



# Socket Head Cap Screws Zinc and Clear Chromate

DECORATIVE FLASH PLATE  
MEETS ASME/ANSI B18.3 and ASTM A574 Before Plate

| Diameter                                                 | Length Under Head | Product Number Code |           | Approx. Weight per Box (lbs.) | Qty. in Box |
|----------------------------------------------------------|-------------------|---------------------|-----------|-------------------------------|-------------|
|                                                          |                   | UNRC                | UNRF      |                               |             |
| <b>#4</b><br>(.112")<br>UNRC 40<br>3/32" Key             | 1/4"              | ZP1C72018           | -         | 0.2                           | 100         |
|                                                          | 3/8"              | ZP1C72020           | -         | 0.2                           |             |
|                                                          | 1/2"              | ZP1C72022           | -         | 0.3                           |             |
|                                                          | 5/8"              | ZP1C72024           | -         | 0.3                           |             |
|                                                          | 3/4"              | ZP1C72026           | -         | 0.3                           |             |
|                                                          | 1"                | ZP1C86176           | -         | 0.3                           |             |
| <b>#6</b><br>(.138")<br>UNRC 32<br>7/64" Key             | 1/4"              | ZP1C72038           | -         | 0.3                           | 100         |
|                                                          | 5/16"             | ZP1C72039           | -         | 0.3                           |             |
|                                                          | 3/8"              | ZP1C72040           | -         | 0.3                           |             |
|                                                          | 1/2"              | ZP1C72042           | -         | 0.3                           |             |
|                                                          | 5/8"              | ZP1C72044           | -         | 0.4                           |             |
|                                                          | 3/4"              | ZP1C72046           | -         | 0.4                           |             |
|                                                          | 7/8"              | ZP1C72048           | -         | 0.4                           |             |
|                                                          | 1"                | ZP1C72050           | -         | 0.5                           |             |
| <b>#8</b><br>(.164")<br>UNRC 32<br>9/64" Key             | 1/4"              | ZP1C72052           | -         | 0.5                           | 100         |
|                                                          | 3/8"              | ZP1C72054           | -         | 0.4                           |             |
|                                                          | 1/2"              | ZP1C72056           | -         | 0.5                           |             |
|                                                          | 5/8"              | ZP1C72058           | -         | 0.5                           |             |
|                                                          | 3/4"              | ZP1C72060           | -         | 0.6                           |             |
|                                                          | 1"                | ZP1C72064           | -         | 0.7                           |             |
|                                                          | 1-1/4"            | ZP1C72066           | -         | 0.8                           |             |
|                                                          | 1-1/2"            | ZP1C72068           | -         | 0.9                           |             |
| <b>#10</b><br>(.190")<br>5/32" Key<br>UNRC 24<br>UNRF 32 | 3/8"              | ZP1C72070           | ZP1C73034 | 1.1                           | 100         |
|                                                          | 1/2"              | ZP1C72072           | ZP1C73036 | 0.6                           |             |
|                                                          | 5/8"              | ZP1C72074           | ZP1C73038 | 0.7                           |             |
|                                                          | 3/4"              | ZP1C72076           | ZP1C73040 | 0.8                           |             |
|                                                          | 7/8"              | -                   | ZP1C73042 | 0.9                           |             |
|                                                          | 1"                | ZP1C72080           | ZP1C73044 | 0.9                           |             |
|                                                          | 1-1/4"            | ZP1C72082           | ZP1C73046 | 1.0                           |             |
|                                                          | 1-1/2"            | ZP1C72084           | ZP1C73048 | 1.3                           |             |
| <b>1/4"</b><br>(.250")<br>UNRC 20<br>3/16" Key           | 2                 | -                   | ZP1C73052 | 1.4                           | 100         |
|                                                          | 1/4"              | ZP1C86526           | -         | 1.9                           |             |
|                                                          | 3/8"              | ZP1C72090           | -         | 0.8                           |             |
|                                                          | 1/2"              | ZP1C72092           | -         | 1.0                           |             |
|                                                          | 5/8"              | ZP1C72094           | -         | 1.2                           |             |
|                                                          | 3/4"              | ZP1C72096           | -         | 1.3                           |             |
|                                                          | 7/8"              | ZP1C72098           | -         | 1.5                           |             |
|                                                          | 1"                | ZP1C72100           | -         | 1.6                           |             |
|                                                          | 1-1/4"            | ZP1C72102           | -         | 1.8                           |             |
|                                                          | 1-1/2"            | ZP1C72104           | -         | 2.1                           |             |
|                                                          | 1-3/4"            | ZP1C72106           | -         | 2.5                           |             |
|                                                          | 2"                | ZP1C72108           | -         | 2.9                           |             |
|                                                          | 2-1/4"            | ZP1C72110           | -         | 3.0                           |             |
|                                                          | 2-1/2"            | ZP1C72112           | -         | 3.4                           |             |
|                                                          | 3"                | ZP1C72116           | -         | 3.8                           |             |
|                                                          | 4"                | ZP1C72115           | -         | 4.0                           |             |

| Diameter                                       | Length Under Head | Product Number Code |      | Approx. Wt. (Lbs.) Per Box | Qty. in Box |
|------------------------------------------------|-------------------|---------------------|------|----------------------------|-------------|
|                                                |                   | UNRC                | UNRF |                            |             |
| <b>5/16"</b><br>(.312")<br>UNRC 18<br>1/4" Key | 1/2"              | ZP1C72120           | -    | 2.0                        | 100         |
|                                                | 5/8"              | ZP1C72122           | -    | 2.3                        |             |
|                                                | 3/4"              | ZP1C72124           | -    | 2.5                        |             |
|                                                | 7/8"              | ZP1C72126           | -    | 2.7                        |             |
|                                                | 1"                | ZP1C72128           | -    | 2.9                        |             |
|                                                | 1-1/4"            | ZP1C72130           | -    | 3.4                        |             |
|                                                | 1-1/2"            | ZP1C72132           | -    | 3.9                        |             |
|                                                | 1-3/4"            | ZP1C72134           | -    | 4.4                        |             |
|                                                | 2"                | ZP1C72136           | -    | 4.9                        |             |
|                                                | 2-1/4"            | ZP1C72138           | -    | 5.4                        |             |
|                                                | 2-1/2"            | ZP1C72140           | -    | 5.9                        |             |
|                                                | 3"                | ZP1C72144           | -    | 6.9                        |             |
|                                                | 3-1/2"            | ZP1C72148           | -    | 3.9                        | 50          |
|                                                | 4"                | ZP1C86646           | -    | 4.5                        |             |
| <b>3/8"</b><br>(.375")<br>UNRC 16<br>5/16" Key | 1/2"              | ZP1C72150           | -    | 3.4                        | 100         |
|                                                | 3/4"              | ZP1C72154           | -    | 4.0                        |             |
|                                                | 7/8"              | ZP1C72156           | -    | 4.3                        |             |
|                                                | 1"                | ZP1C72158           | -    | 4.6                        |             |
|                                                | 1-1/4"            | ZP1C72160           | -    | 5.2                        |             |
|                                                | 1-1/2"            | ZP1C72162           | -    | 6.0                        |             |
|                                                | 2"                | ZP1C72166           | -    | 3.9                        | 50          |
|                                                | 2-1/4"            | ZP1C72168           | -    | 4.3                        |             |
|                                                | 2-1/2"            | ZP1C72170           | -    | 4.5                        |             |
|                                                | 3"                | ZP1C72174           | -    | 5.1                        |             |
|                                                | 4"                | ZP1C72180           | -    | 6.6                        |             |
| <b>1/2"</b><br>(.500")<br>UNRC 13<br>3/8" Key  | 1"                | ZP1C72226           | -    | 4.8                        | 50          |
|                                                | 1-1/4"            | ZP1C72228           | -    | 5.3                        |             |
|                                                | 1-1/2"            | ZP1C72230           | -    | 6.3                        |             |
|                                                | 2"                | ZP1C72234           | -    | 7.4                        |             |
|                                                | 2-1/2"            | ZP1C72238           | -    | 4.4                        | 25          |
|                                                | 3"                | ZP1C72242           | -    | 4.9                        |             |
|                                                | 4"                | ZP1C72248           | -    | 6.3                        |             |
|                                                | 4-1/2"            | ZP1C72250           | -    | 7.0                        |             |
| <b>5/8"</b><br>(.625")<br>UNRC 11<br>1/2" Key  | 1-1/4"            | ZP1C72266           | -    | 4.8                        | 25          |
|                                                | 1-1/2"            | ZP1C72268           | -    | 5.3                        |             |
|                                                | 2"                | ZP1C72272           | -    | 6.0                        |             |
|                                                | 2-1/2"            | ZP1C72276           | -    | 7.3                        |             |
|                                                | 3"                | ZP1C72280           | -    | 8.4                        |             |
|                                                | 4"                | ZP1C72286           | -    | 10.5                       |             |



# Socket Head Cap Screws with Nylon Patch

MEETS ASME/ANSI B18.3 AND ASTM A574 • IFI 124 •  
UNRC COARSE THREAD SERIES

| Diameter        | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------|-------------------|---------------------|-------------------------------|-------------|
| #2<br>UNRC 56   | 3/16"             | PATCH72002          | 0.1                           | 100         |
|                 | 1/4"              | PATCH72004          | 0.1                           |             |
|                 | 3/8"              | PATCH72006          | 0.1                           |             |
|                 | 1/2"              | PATCH72008          | 0.1                           |             |
| #4<br>UNRC 40   | 1/4"              | PATCH72018          | 0.1                           | 100         |
|                 | 5/16"             | PATCH86154          | 0.1                           |             |
|                 | 3/8"              | PATCH72020          | 0.1                           |             |
|                 | 1/2"              | PATCH72022          | 0.2                           |             |
|                 | 5/8"              | PATCH72024          | 0.2                           |             |
|                 | 3/4"              | PATCH72026          | 0.2                           |             |
|                 | 1"                | PATCH86176          | 0.3                           |             |
| #6<br>UNRC 32   | 1/4"              | PATCH72038          | 0.2                           | 100         |
|                 | 3/8"              | PATCH72040          | 0.3                           |             |
|                 | 1/2"              | PATCH72042          | 0.3                           |             |
|                 | 3/4"              | PATCH72046          | 0.3                           |             |
| #8<br>UNRC 32   | 3/8"              | PATCH72054          | 0.4                           | 100         |
|                 | 1/2"              | PATCH72056          | 0.4                           |             |
|                 | 3/4"              | PATCH72060          | 0.5                           |             |
|                 | 1"                | PATCH72064          | 0.6                           |             |
| #10<br>UNRC 24  | 3/8"              | PATCH72070          | 0.5                           | 100         |
|                 | 1/2"              | PATCH72072          | 0.6                           |             |
|                 | 3/4"              | PATCH72076          | 0.7                           |             |
|                 | 1"                | PATCH72080          | 0.8                           |             |
| 1/4"<br>UNRC 20 | 3/8"              | PATCH72090          | 0.9                           | 100         |
|                 | 1/2"              | PATCH72092          | 1.1                           |             |
|                 | 5/8"              | PATCH72094          | 1.2                           |             |
|                 | 3/4"              | PATCH72096          | 1.3                           |             |
|                 | 7/8"              | PATCH72098          | 1.4                           |             |
|                 | 1"                | PATCH72100          | 1.6                           |             |
|                 | 1 1/4"            | PATCH72102          | 1.8                           |             |
|                 | 1 1/2"            | PATCH72104          | 2.2                           |             |
|                 | 2"                | PATCH72108          | 2.8                           |             |
|                 | 3"                | PATCH72116          | 4.1                           |             |

| Diameter         | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------|-------------------|---------------------|-------------------------------|-------------|
| 5/16"<br>UNRC 18 | 1/2"              | PATCH72120          | 1.9                           | 100         |
|                  | 5/8"              | PATCH72122          | 2.1                           |             |
|                  | 3/4"              | PATCH72124          | 2.3                           |             |
|                  | 7/8"              | PATCH72126          | 2.5                           |             |
|                  | 1"                | PATCH72128          | 2.7                           |             |
|                  | 1 1/4"            | PATCH72130          | 3.1                           |             |
|                  | 1 1/2"            | PATCH72132          | 3.5                           |             |
|                  | 1 3/4"            | PATCH72134          | 4.1                           |             |
|                  | 2"                | PATCH72136          | 4.5                           |             |
|                  | 2 1/2"            | PATCH72140          | 5.5                           |             |
| 3/8"<br>UNRC 16  | 3/4"              | PATCH72154          | 3.7                           | 100         |
|                  | 1"                | PATCH72158          | 4.3                           |             |
|                  | 1 1/4"            | PATCH72160          | 4.9                           |             |
|                  | 1 1/2"            | PATCH72162          | 5.4                           |             |
|                  | 2"                | PATCH72166          | 3.4                           |             |
| 7/16"<br>UNRC 14 | 2 1/2"            | PATCH72170          | 4.2                           | 50          |
|                  | 1"                | PATCH72194          | 6.2                           | 100         |
|                  | 1 1/4"            | PATCH72196          | 3.5                           | 50          |
|                  | 3/4"              | PATCH72222          | 4.1                           | 50          |
| 1/2"<br>UNRC 13  | 1"                | PATCH72226          | 4.6                           |             |
|                  | 1 1/4"            | PATCH72228          | 5.1                           |             |
|                  | 1 1/2"            | PATCH72230          | 5.7                           |             |
|                  | 1 3/4"            | PATCH72232          | 6.2                           |             |
|                  | 2"                | PATCH72234          | 6.7                           |             |
|                  | 2 1/2"            | PATCH72238          | 4.1                           |             |
|                  | 3"                | PATCH72242          | 4.8                           | 25          |
| 5/8"<br>UNRC 11  | 1"                | PATCH72264          | 4.3                           | 25          |
|                  | 1 1/4"            | PATCH72266          | 4.7                           |             |
|                  | 1 1/2"            | PATCH72268          | 5.1                           |             |
|                  | 1 3/4"            | PATCH72270          | 5.6                           |             |
|                  | 2"                | PATCH72272          | 6.0                           |             |
|                  | 2 1/2"            | PATCH72276          | 7.1                           |             |
|                  | 3"                | PATCH72280          | 8.0                           |             |

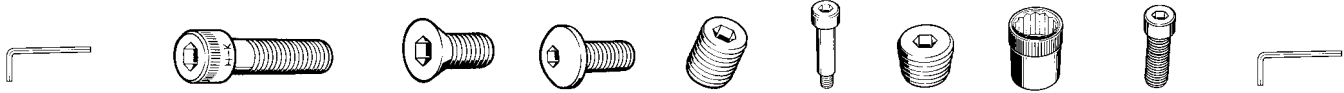
MEETS ASME/ANSI B18.3 AND ASTM A574 • IFI 124 • UNRF FINE THREAD SERIES

| Diameter        | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|-----------------|-------------------|---------------------|-------------------------------|-------------|
| #10<br>UNRF 32  | 3/8"              | PATCH73034          | 0.5                           | 100         |
|                 | 1/2"              | PATCH73036          | 0.6                           |             |
|                 | 5/8"              | PATCH73038          | 0.7                           |             |
|                 | 3/4"              | PATCH73040          | 0.7                           |             |
|                 | 7/8"              | PATCH73042          | 0.8                           |             |
|                 | 1"                | PATCH73044          | 0.9                           |             |
|                 | 1 1/4"            | PATCH73046          | 1.1                           |             |
|                 | 1 1/2"            | PATCH73048          | 1.3                           |             |
| 1/4"<br>UNRF 28 | 3/8"              | PATCH73054          | 1.0                           | 100         |
|                 | 1/2"              | PATCH73056          | 1.1                           |             |
|                 | 5/8"              | PATCH73058          | 1.3                           |             |
|                 | 3/4"              | PATCH73060          | 1.4                           |             |
|                 | 7/8"              | PATCH73062          | 1.5                           |             |
|                 | 1"                | PATCH73064          | 1.7                           |             |
|                 | 1 1/4"            | PATCH73066          | 1.9                           |             |
|                 | 1 1/2"            | PATCH73068          | 2.4                           |             |

| Diameter         | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|------------------|-------------------|---------------------|-------------------------------|-------------|
| 5/16"<br>UNRF 24 | 1/2"              | PATCH73076          | 2.0                           | 100         |
|                  | 3/4"              | PATCH73080          | 2.4                           |             |
|                  | 1"                | PATCH73084          | 2.8                           |             |
|                  | 1 1/4"            | PATCH73086          | 3.2                           |             |
|                  | 1 1/2"            | PATCH73088          | 3.8                           |             |
|                  | 1"                | PATCH73098          | 3.6                           | 100         |
| 3/8"<br>UNRF 24  | 3/4"              | PATCH73102          | 4.3                           |             |
|                  | 1"                | PATCH73106          | 4.7                           |             |
|                  | 1 1/4"            | PATCH73108          | 5.4                           |             |
| 1/2"<br>UNRF 20  | 1 1/2"            | PATCH73110          | 6.0                           | 50          |
|                  | 1"                | PATCH73130          | 4.8                           |             |
|                  | 1 1/2"            | PATCH73134          | 5.9                           |             |

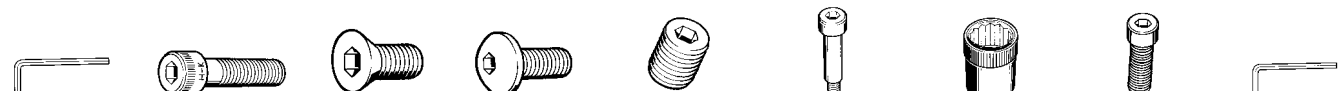
**CALL FOR AVAILABILITY**

## Hex Key Fit Selector - Keys Fit These Products



| Nominal Key Size, Inches | Socket Head Cap Screws |                     | Flat Head Cap Screws | Button Head Cap Screws | Set Screws   | Shoulder Screws | Pressure Plugs | Allenuts | Low Head Cap Screws | Nominal Key Size, Inches |
|--------------------------|------------------------|---------------------|----------------------|------------------------|--------------|-----------------|----------------|----------|---------------------|--------------------------|
|                          | 1960 Series            | 1936 Series         |                      |                        |              |                 |                |          |                     |                          |
| .028                     | -                      | -                   | -                    | -                      | 0            | -               | -              | -        | -                   | .028                     |
| .035                     | -                      | -                   | 0                    | 0                      | 1,2          | -               | -              | -        | -                   | .035                     |
| .050                     | 0                      | 0,1                 | 1,3                  | 1,3                    | 3,4          | -               | -              | -        | 4                   | .050                     |
| 1/16                     | 1                      | 2                   | 3,4                  | 3,4                    | 5,6          | -               | -              | -        | 5,6                 | 1/16                     |
| 5/64                     | 2,3                    | 3,4                 | 5,6                  | 5,6                    | 8            | -               | -              | -        | 8                   | 5/64                     |
| 3/32                     | 4,5                    | 5,6                 | 8                    | 8                      | 10           | -               | -              | -        | 10                  | 3/32                     |
| 7/64                     | 6                      | -                   | -                    | -                      | -            | -               | -              | -        | -                   | 7/64                     |
| 1/8                      | -                      | 8                   | 10                   | 10                     | 1/4          | 1/4             | -              | 4,5      | 1/4                 | 1/8                      |
| 9/64                     | 8                      | 10                  | -                    | -                      | -            | -               | -              | -        | -                   | 9/64                     |
| 5/32                     | 10                     | 1/4                 | 1/4                  | 1/4                    | 5/16         | 5/16            | 1/16           | 6        | 5/16                | 5/32                     |
| 3/16                     | 1/4                    | -                   | 5/16                 | 5/16                   | 3/8          | 3/8             | 1/8            | 8,10     | 3/8                 | 3/16                     |
| 7/32                     | -                      | 5/16                | 3/8                  | 3/8                    | 7/16         | -               | -              | -        | 7/16                | 7/32                     |
| 1/4                      | 5/16                   | -                   | 7/16                 | -                      | 1/2          | 1/2             | 1/4            | 1/4      | 1/2                 | 1/4                      |
| 5/16                     | 3/8                    | 3/8, 7/16           | 1/2                  | -                      | 5/8          | 5/8             | 3/8            | 5/16     | 5/8                 | 5/16                     |
| 3/8                      | 7/16, 1/2              | 1/2                 | 5/8                  | -                      | 3/4          | 3/4             | 1/2            | 3/8      | -                   | 3/8                      |
| 7/16                     | -                      | -                   | -                    | -                      | -            | -               | -              | 7/16     | -                   | 7/16                     |
| 1/2                      | 5/8                    | 5/8                 | 3/4                  | -                      | 7/8          | 1               | -              | 1/2      | -                   | 1/2                      |
| 9/16                     | -                      | 3/4, 7/8            | 7/8                  | -                      | 1, 1-1/8     | -               | 3/4            | -        | -                   | 9/16                     |
| 5/8                      | 3/4                    | 1                   | 1                    | -                      | 1-1/4, 1-3/8 | 1-1/4           | 1              | 5/8      | -                   | 5/8                      |
| 3/4                      | 7/8, 1                 | -                   | 1-1/8                | -                      | 1-1/2        | -               | 1-1/4          | 3/4      | -                   | 3/4                      |
| 7/8                      | 1-1/8, 1-1/4           | -                   | 1-1/4, 1-3/8         | -                      | -            | 1-1/2           | -              | 7/8      | -                   | 7/8                      |
| 1                        | 1-3/8, 1-1/2           | 1-1/2               | 1-1/2                | -                      | 1-3/4, 2     | 1-3/4           | 1-1/2, 2       | 1        | -                   | 1                        |
| 1-1/4                    | 1-3/4                  | -                   | -                    | -                      | -            | 2               | -              | 1-1/4    | -                   | 1-1/4                    |
| 1-1/2                    | 2                      | 1-1/8, 1-1/4, 1-3/8 | -                    | -                      | -            | -               | -              | 1-1/2    | -                   | 1-1/2                    |
| 1-3/4                    | 2-1/4, 2-1/2           | -                   | -                    | -                      | -            | -               | -              | -        | -                   | 1-3/4                    |
| 2                        | -3/4                   | -                   | -                    | -                      | -            | -               | -              | -        | -                   | 2                        |

## Hex Key Fit Selector - Keys Fit These Products



| Nominal Key Size, MM | Socket Head Cap Screws | Flat Head Cap Screws | Button Head Cap Screws | Set Screws       | Shoulder Screws | Allenuts | Low Head Cap Screws | Nominal Key Size, MM |
|----------------------|------------------------|----------------------|------------------------|------------------|-----------------|----------|---------------------|----------------------|
| 0.7                  | -                      | -                    | -                      | M1.4, M1.6, M1.7 | -               | -        | -                   | 0.7                  |
| 0.9                  | -                      | -                    | -                      | M2, M2.3         | -               | -        | -                   | 0.9                  |
| 1.3                  | M1.4                   | -                    | -                      | M2.5, M2.6       | -               | -        | -                   | 1.3                  |
| 1.5                  | M1.6, M1.7, M2         | -                    | -                      | M3               | -               | -        | -                   | 1.5                  |
| 2                    | M2.3, M2.5, M2.6       | M3                   | M3                     | M4               | -               | -        | -                   | 2                    |
| 2.5                  | M3                     | M4                   | M4                     | M5               | -               | -        | -                   | 2.5                  |
| 3                    | M4                     | M5                   | M5                     | M6               | 6mm             | M3       | M4                  | 3                    |
| 4                    | M5                     | M6                   | M6                     | M8               | 8mm             | M4       | M5                  | 4                    |
| 5                    | M6                     | M8                   | M8                     | M10              | 10mm            | M6       | M6                  | 5                    |
| 6                    | M8                     | M10                  | M10                    | M12, M14         | 12mm            | M6       | M8                  | 6                    |
| 8                    | M10                    | M12                  | M12                    | M16              | 16mm            | M8       | M10                 | 8                    |
| 10                   | M12                    | M14, M16             | -                      | M20              | 20mm            | M10      | M12                 | 10                   |
| 12                   | M14                    | M20                  | -                      | M24              | -               | M12      | M14                 | 12                   |
| 14                   | M16                    | -                    | -                      | -                | -               | -        | M16                 | 14                   |
| 17                   | M20                    | -                    | -                      | -                | -               | M16      | M20, M22            | 17                   |
| 19                   | M24                    | -                    | -                      | -                | -               | -        | M24                 | 19                   |

# Assortments

## Set Screw and Key Assortments

Precision tolerances, heat treated alloy steel, black finish



Item No.  
**56880**

Set No.  
**602**

### 705 Pc. SAE Set Screw and Hex Key Assortment

An assortment of 11 sizes of SAE alloy steel socket set screws with a cup point and the appropriate short arm hex keys in a sectioned metal Box. Contains 590 set screws and 115 hex keys. Box size: 9-3/4" x 13-3/4" x 2-1/2". Weight: 9.3 lbs.

#### Assortment Contents:

| Set Screw Size | Quantity |
|----------------|----------|
| #10-32 X 3/16  | 100      |
| #10-32 X 1/4   | 50       |
| 1/4-20 X 1/4   | 100      |
| 1/4-20 X 3/8   | 50       |
| 5/16-18 X 5/16 | 100      |
| 5/16-18 X 3/8  | 50       |

| Set Screw Size | Quantity |
|----------------|----------|
| 3/8-16 X 3/8   | 50       |
| 3/8-16 X 1/2   |          |
| 7/16-14 X 7/16 | 20       |
| 1/2-13 X 1/2   | 10       |
| 5/8-11 X 5/8   |          |

| Hex Key Size | Quantity |
|--------------|----------|
| 3/32         | 25       |
| 1/8          |          |
| 5/32         |          |
| 3/16         |          |
| 7/32         | 5        |
| 1/4          |          |
| 5/16         |          |



Item No.  
**56884**

Set No.  
**608**

### 145 Pc. SAE Set Screw and Hex Key Assortment

An assortment of 10 sizes of SAE alloy steel socket set screws with a cup point and the appropriate short arm hex keys in a sectioned plastic box. Contains 100 set screws and 45 hex keys. Box size: 8-3/8" x 4-1/2" x 1-1/2". Weight: 1.3 lbs.

#### Assortment Contents:

| Set Screw Size | Quantity |
|----------------|----------|
| #8-32 X 3/16   | 10       |
| #8-32 X 1/4    |          |
| #10-32 X 3/16  |          |
| #10-32 X 1/4   |          |
| 1/4-20 X 1/4   |          |
| 1/4-20 X 3/8   |          |

| Set Screw Size | Quantity |
|----------------|----------|
| 5/16-18 X 5/16 | 10       |
| 5/16-18 X 3/8  |          |
| 3/8-16 X 3/8   |          |
| 3/8-16 X 1/2   |          |

| Hex Key Size | Quantity |
|--------------|----------|
| 5/64         | 10       |
| 3/32         |          |
| 1/8          |          |
| 5/32         |          |
| 3/16         | 5        |

# Assortments

## Set Screw and Key Assortments

Precision tolerances, heat treated alloy steel, black finish



**Item No.**  
**56410**

### 170 Pc. SAE Cap Screw Set

An assortment of 12 sizes of SAE alloy steel socket head cap screws in a 12 section plastic box. Box size: 10-3/4" x 6-3/4" x 1-7/8". Weight 3.7 lbs.

#### Assortment Contents

| Cap Screw Size | Quantity |
|----------------|----------|
| #6-32 X 1/2    | 20       |
| #8-32 X 1/2    |          |
| 1/4-20 X 1/2   | 10       |
| 1/4-20 X 3/4   |          |
| 1/4-20 X 1     |          |
| 5/16-18 X 1    |          |

| Cap Screw Size  | Quantity |
|-----------------|----------|
| 5/16-18 X 1-1/2 | 10       |
| 3/8-16 X 1      |          |
| 3/8-16 X 1-1/2  | 20       |
| #10-32 X 1/2    |          |
| #10-32 X 3/4    |          |
| #10-32 X 1      |          |



**Item No.**  
**56420**

### 300 Pc. SAE Button Head Cap Screw Set

An assortment of 12 sizes of SAE alloy steel button head cap screws in a 12 section plastic box. Box size: 10-3/4" x 6-3/4" x 1-7/8". Weight: 3.7 lbs.

#### Assortment Contents

| Button Head Size | Quantity |
|------------------|----------|
| #6-32 X 3/8      | 25       |
| #6-32 X 1/2      |          |
| #8-32 X 3/8      |          |
| #8-32 X 1/2      |          |
| 1/4-20 X 1/2     |          |
| 1/4-20 X 3/4     |          |

| Button Head Size | Quantity |
|------------------|----------|
| 1/4-20 X 1       | 25       |
| 5/16-18 X 3/4    |          |
| 5/16-18 X 1      |          |
| #10-32 X 3/8     |          |
| #10-32 X 1/2     |          |
| #10-32 X 3/4     |          |



**Item No.**  
**56430**

### 300 Pc. SAE Flat Head Cap Screw Set

An assortment of 12 sizes of SAE alloy steel flat head cap screws in a 12 section plastic box. Box size: 10-3/4" x 6-3/4" x 1-7/8". Weight: 3.4 lbs.

#### Assortment Contents

| Flat Head Size | Quantity |
|----------------|----------|
| #6-32 X 3/8    | 25       |
| #6-32 X 1/2    |          |
| #8-32 X 3/8    |          |
| #8-32 X 1/2    |          |
| 1/4-20 X 1/2   |          |
| 1/4-20 X 3/4   |          |

| Flat Head Size | Quantity |
|----------------|----------|
| 1/4-20 X 1     | 25       |
| 5/16-18 X 3/4  |          |
| 5/16-18 X 1    |          |
| #10-32 X 3/8   |          |
| #10-32 X 1/2   |          |
| #10-32 X 3/4   |          |

# Assortments

## Cap Screw, Set Screw and Key Assortment

Precision tolerances, heat treated alloy steel, black finish



**Item No.**  
**56886**  
**Set No.**  
**621**

### 336 Pc. SAE Set Screw and Hex Key Assortment

An assortment of 24 numbered size alloy steel socket set screws with a cup point and the appropriate short arm hex keys in a sectioned metal box. Contains 288 set screws and 48 hex keys. Box size: 8-1/2" x 5-3/4" x 1". Weight: 1.3 lbs.

#### Assortment Contents:

| Set Screw Size | Quantity |
|----------------|----------|
| #4-40 X 1/8    | 12       |
| #4-40 X 3/16   |          |
| #4-40 X 1/4    |          |
| #4-40 X 5/16   |          |
| #4-40 X 3/8    |          |
| #5-40 X 1/8    |          |
| #5-40 X 3/16   |          |
| #5-40 X 1/4    |          |
| #5-40 X 5/16   |          |
| #5-40 X 3/8    |          |
| #6-32 X 1/8    |          |
| #6-32 X 3/16   |          |

| Set Screw Size | Quantity |
|----------------|----------|
| #6-32 X 1/4    | 12       |
| #6-32 X 5/16   |          |
| #6-32 X 3/8    |          |
| #8-32 X 1/8    |          |
| #8-32 X 3/16   |          |
| #8-32 X 1/4    |          |
| #8-32 X 5/16   |          |
| #8-32 X 3/8    |          |
| #10-24 X 3/16  |          |
| #10-24 X 1/4   |          |
| #10-24 X 5/16  |          |
| #10-24 X 3/8   |          |

| Hex Key Size | Quantity |
|--------------|----------|
| .050         | 12       |
| 1/16         |          |
| 5/64         |          |
| 3/32         |          |



**Item No.**  
**56438**

### 300 Pc. SAE Holo-Knurl® Point Screw Set

An assortment of 12 sizes of SAE alloy steel socket set screws with a Holo-Knurl® point in a 12 section plastic box. Box size: 10-3/4" x 6-3/4" x 1-7/8". Weight: 2.3 lbs.

#### Assortment Contents:

| Set Screw Size | Quantity |
|----------------|----------|
| #8-32 X 1/4    | 25       |
| #10-32 X 3/16  |          |
| #10-32 X 1/4   |          |
| 1/4-20 X 1/4   |          |
| 1/4-20 X 3/8   |          |
| 1/4-20 X 1/2   |          |

| Set Screw Size | Quantity |
|----------------|----------|
| 1/4-28 X 1/4   | 25       |
| 5/16-18 X 3/8  |          |
| 5/16-18 X 1/2  |          |
| 3/8-16 X 3/8   |          |
| 3/8-16 X 1/2   |          |
| 1/2-13 X 1/2   |          |



**Item No.**  
**76582**  
**Set No.**  
**MK2**

### 274 Pc. Metric Cap Screw and Hex Key Assortment

An assortment of 18 sizes of alloy steel metric socket head cap screws and the appropriate short arm hex keys in a sectioned plastic box. Contains 270 cap screws and 4 hex keys. Box size: 11" x 6-3/4" x 1-3/4". Weight: 5 lbs.

#### Assortment Contents:

| Cap Screw Size | Quantity |
|----------------|----------|
| M4 X 10MM      | 25       |
| M4 X 12MM      |          |
| M4 X 20MM      |          |
| M4 X 25MM      |          |
| M5 X 12MM      |          |
| M5 X 20MM      | 10       |
| M5 X 25MM      |          |
| M5 X 30MM      |          |
| M6 X 12MM      |          |

| Cap Screw Size | Quantity |
|----------------|----------|
| M6 X 20MM      | 10       |
| M6 X 25MM      |          |
| M6 X 30MM      |          |
| M6 X 40MM      |          |
| M8 X 20MM      |          |
| M8 X 25MM      |          |
| M8 X 30MM      |          |
| M8 X 40MM      |          |
| M8 X 45MM      |          |

| Hex Key Size | Quantity |
|--------------|----------|
| 3MM          | 1        |
| 4MM          |          |
| 5MM          |          |
| 6MM          |          |

# Definitions of Screw and Thread Terms

**Major Diameter** - The largest diameter of the thread of the screw or nut. The term "major diameter" replaces the term "outside diameter" as applied to the thread of a screw and also the term full diameter as applied to the thread of a nut.

**Minor Diameter** - The smallest diameter of the thread of a screw or nut. The term "minor diameter" replaces the term "core diameter" as applied to the thread of a screw and also the term "inside diameter" as applied to the thread of a nut.

**Half Angle of Thread** - The angle included between a side of the thread and the normal to the axis, measured in an axial plane.

**Angle of Thread** - The angle included between the sides of the thread measured in an axial plane.

**Pitch Diameter** - On a straight screw thread, the diameter of an imaginary cylinder, the surface of which would pass through the threads at such points as to make equal the width of the threads and the width of the spaces cut by the surface of the cylinder. On a taper screw thread, the diameter, at a given distance from a reference plane perpendicular to the axis of an imaginary cone, the surface of which would pass through the threads at such points as to make equal the width of the threads and the width of the spaces cut by the surface of the cone.

**Helix Angle** - The angle made by the helix, or conical spiral, of the thread at the pitch diameter with a plane perpendicular to the axis.

**Screw Thread** - A ridge or uniform section in the form of a helix on the external or internal surface of a cylinder, or in the form of a conical spiral on the external or internal surface of a cone.



**Root** - The surface of the thread corresponding to the minor diameter of the screw and the major diameter of the nut.

**Side or Flank** - The surface of the thread which connects the crest with the root.

**Pitch Line** - An element of the imaginary cylinder or cone as specified under "Pitch Diameter".

**Axis of a Screw** - The longitudinal central line through the screw.

**Crest** - The surface of the thread corresponding to the major diameter of the screw and the minor diameter of the nut.

**Depth of Thread** - The distance between the crest and the base of the thread measured normal to the axis.

**Base of Thread** - The bottom section of the thread; the greatest section between the two adjacent roots.



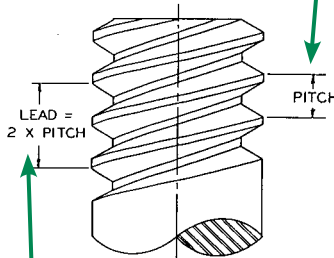
**Thickness of Thread (1/2 of pitch)** - The distance between the adjacent sides of the thread measured along or parallel to the pitch line.

**Pitch** - the distance from a point on a screw thread to a corresponding point on the next thread measured parallel to the axis.

The pitch in inches -  

$$\frac{1}{\text{Number of threads per inch}}$$

EXAMPLE OF MULTIPLE THREADED SCREW  
 (LEAD FOR DOUBLE THREAD)



**Lead** - The distance a screw thread advances axially in one turn. On a single threaded screw the lead and pitch are identical; on a double threaded screw the lead is two times the pitch; on a triple threaded screw the lead is three times the pitch, etc.

**Internal Thread ex. a nut** - An internal thread is a thread on the inside of a member.

**External Thread ex. a bolt** - An external thread is a thread on the outside of a member.

**Number of Threads** - The number of threads in one inch of length.

**Length of Engagement** - The length of contact between two mated threaded parts measured axially.

**Depth of Engagement** - The depth of thread contact of two mated parts, measured radially.

**Mean Area** - The term "mean area of a screw," when used in specifications and for other purposes, designates the cross-sectional area computed from the mean of the basic pitch and minor diameters.

# Terms Relating to Classification and Tolerances

**Allowance** - An intentional difference in the dimensions of mating parts. It is the minimum clearance of the maximum interference which is intended between mating parts. It represents the condition of the tightest permissible fit, or the largest internal member mated with the smallest external member.

**Examples:**

A 1/2-13 American National Coarse Thread.

Minimum pitch diameter of nut (2B) ..... 0.4500

Maximum pitch diameter of screw (2A) ..... .4485

Allowance (positive) ..... 0.0015

**Tolerance** - The amount of variation permitted in the size of a part.

**Example:**

1/2 - 13, 3A American National Coarse Thread Series.

Maximum pitch diameter ..... 0.4500

Minimum pitch diameter ..... .4463

Tolerance ..... 0.0037

**Basic Size** - The theoretical or nominal standard size from which all variations are made.

**Crest Clearance** - Defined on a screw form as the space between the crest of a thread and the root of its mating part.

**Finish** - The character of the surface on a screw thread or other product.

**Fit** - The relation between two mating parts with reference to the conditions of a assembly. For example: Wrench fit; close fit; medium fit; free fit; loose fit. The quality of fit is dependent upon both the relative size and the quality of finish of the mating parts.

**Neutral Zone** - A positive allowance (See "Allowance.")

**Limits** - The extreme permissible dimensions of a part.

**Example :**

1/2-13, Class 3A, American National Coarse Thread Series.

The limits are:

Maximum pitch diameter (3A) ..... 0.4500

Minimum pitch diameter (3A) ..... 0.4463

# Recommended Torque Specification\*

## Inch & Metric Fastener Charts



| Socket Head Cap Screws |                                |          |              |                         |
|------------------------|--------------------------------|----------|--------------|-------------------------|
| Nominal Size           | Inch                           |          | Metric       |                         |
|                        | Tightening Torque (Inch - lbs) |          | Nominal Size | Tightening Torque (N·m) |
|                        | UNRC                           | UNRF     |              |                         |
| 0                      | -                              | 2.6      | M1.6         | 0.34                    |
| 1                      | 4.5                            | 4.8      | M2           | 0.69                    |
| 2                      | 7.5                            | 8.0      | M2.5         | 1.43                    |
| 3                      | 11.0                           | 12.0     | M3           | 2.48                    |
| 4                      | 16.0                           | 18.0     | M4           | 5.85                    |
| 5                      | 24.0                           | 24.0     | M5           | 12.0                    |
| 6                      | 30.0                           | 34.0     | M6           | 20.3                    |
| 8                      | 55.0                           | 58.0     | M8           | 48.8                    |
| 10                     | 79.0                           | 90.0     | M10          | 97.5                    |
| 1/4                    | 200.0                          | 230.0    | M12          | 165.0                   |
| 5/16                   | 415.0                          | 460.0    | M14          | 265.0                   |
| 3/8                    | 740.0                          | 845.0    | M16          | 413.0                   |
| 7/16                   | 1,190.0                        | 1,305.0  | M20          | 825.0                   |
| 1/2                    | 1,800.0                        | 2,065.0  | M24          | 1,425.0                 |
| 5/8                    | 3,400.0                        | 3,800.0  | M30          | 2,775.0                 |
| 3/4                    | 6,000.0                        | 6,750.0  | M36          | 4,875.0                 |
| 7/8                    | 8,250.0                        | 9,200.0  |              |                         |
| 1                      | 12,500.0                       | 13,000.0 |              |                         |
| 1-1/4                  | 25,000.0                       | 27,750.0 |              |                         |
| 1-1/2                  | 43,500.0                       | 49,000.0 |              |                         |



| Socket Should Bolts |                                |              |                         |
|---------------------|--------------------------------|--------------|-------------------------|
| Inch                |                                | Metric       |                         |
| Nominal Size        | Tightening Torque (Inch - lbs) | Nominal Size | Tightening Torque (N·m) |
| 1/4                 | 50                             | M5 x 0.8     | 6.9                     |
| 5/16                | 125                            | M6 x 1       | 12.0                    |
| 3/8                 | 265                            | M8 x 1.25    | 28.0                    |
| 1/2                 | 470                            | M10 x 1.5    | 56.0                    |
| 5/8                 | 1,150                          | M12 x 1.75   | 99.0                    |
| 3/4                 | 2,000                          | M16 x 2      | 250.0                   |
| 1                   | 4,000                          | M20 x 2.5    | 400.0                   |



| Cup Point Set Screws |                                |              |                         |
|----------------------|--------------------------------|--------------|-------------------------|
| Inch                 |                                | Metric       |                         |
| Nominal Size         | Tightening Torque (Inch - lbs) | Nominal Size | Tightening Torque (N·m) |
| 0                    | 1.1                            | 1.6          | 0.1                     |
| 1                    | 2.1                            | 2.0          | 0.2                     |
| 2                    | 2.1                            | 2.5          | 0.6                     |
| 3                    | 6.0                            | 3.0          | 1.0                     |
| 4                    | 6.0                            | 4.0          | 2.1                     |
| 5                    | 11.0                           | 5.0          | 4.7                     |
| 6                    | 11.0                           | 6.0          | 7.7                     |
| 8                    | 23.0                           | 8.0          | 17.8                    |
| 10                   | 40.0                           | 10.0         | 35.0                    |
| 1/4                  | 94.0                           | 12.0         | 55.0                    |
| 5/16                 | 183.0                          | 16.0         | 125.0                   |
| 3/8                  | 317.0                          | 20.0         | 250.0                   |
| 7/16                 | 502.0                          | 24.0         | 425.0                   |
| 1/2                  | 750.0                          |              |                         |
| 5/8                  | 1,460.0                        |              |                         |
| 3/4                  | 2,520.0                        |              |                         |
| 7/8                  | 5,750.0                        |              |                         |
| 1                    | 8,000.0                        |              |                         |



| Button Head Socket Cap Screws |                                |              |                         |
|-------------------------------|--------------------------------|--------------|-------------------------|
| Inch                          |                                | Metric       |                         |
| Nominal Size                  | Tightening Torque (Inch - lbs) | Nominal Size | Tightening Torque (N•m) |
| 4                             | 8                              | M3 x 0.5     | 1.25                    |
| 5                             | -                              | M4 x 0.7     | 2.9                     |
| 6                             | 15                             | M5 x 0.8     | 5.9                     |
| 8                             | 30                             | M6 x 1       | 10.0                    |
| 10                            | 65                             | M8 x 1.25    | 24.0                    |
| 1/4                           | 125                            | M10 x 1.5    | 48.0                    |
| 5/16                          | 200                            | M12 x 1.75   | 84.0                    |
| 3/8                           | 360                            | M16 x 2      | 207.0                   |
| 1/2                           | 1000                           | M20 x 2.5    | -                       |
| 5/8                           | 1750                           |              |                         |

**NOTE:** This specification is for Holo-Krome® alloy steel fasteners with thermal black finish and light oil.



| Flat Head Socket Cap Screws |                                |              |                         |
|-----------------------------|--------------------------------|--------------|-------------------------|
| Inch                        |                                | Metric       |                         |
| Nominal Size                | Tightening Torque (Inch - lbs) | Nominal Size | Tightening Torque (N•m) |
| 4                           | 9.5                            | M3 x 0.5     | 1.85                    |
| 5                           | 14.0                           | M4 x 0.7     | 3.4                     |
| 6                           | 18.0                           | M5 x 0.8     | 6.9                     |
| 8                           | 32.0                           | M6 x 1       | 12.0                    |
| 10                          | 75.0                           | M8 x 1.25    | 28.0                    |
| 1/4                         | 140.0                          | M10 x 1.5    | 56.0                    |
| 5/16                        | 245.0                          | M12 x 1.75   | 99.0                    |
| 3/8                         | 400.0                          | M16 x 2      | 246.0                   |
| 7/16                        | 600.0                          | M20 x 2.5    | 400.0                   |
| 1/2                         | 1,200.0                        |              |                         |
| 5/8                         | 2,000.0                        |              |                         |
| 3/4                         | 4,000.0                        |              |                         |
| 7/8                         | 6,000.0                        |              |                         |
| 1                           | 8,500.0                        |              |                         |



| Low Head Socket Cap Screws |                                |
|----------------------------|--------------------------------|
| Inch                       |                                |
| Nominal Size               | Tightening Torque (Inch - lbs) |
| 4                          | 5.0                            |
| 5                          | 9.5                            |
| 6                          | 9.5                            |
| 8                          | 19.0                           |
| 10                         | 30.0                           |
| 1/4                        | 75.0                           |

| Low Head Socket Cap Screws |                                |
|----------------------------|--------------------------------|
| Inch                       |                                |
| Nominal Size               | Tightening Torque (Inch - lbs) |
| 5/16                       | 150.0                          |
| 3/8                        | 275.0                          |
| 7/16                       | 425.0                          |
| 1/2                        | 600.0                          |
| 5/8                        | 1,300.0                        |

\* Suggested torque values were determined based on calculations in controlled conditions intended to produce desired preloads. Testing should be completed to confirm suitability for individual applications

# HOLO-KROME® *can make your tough shapes easier!*

Manufacturing parts with unusual contour, strength and cost requirements often becomes uneconomical as material, labor and energy costs escalate. For many companies, HOLO-KROME® has become the economic design and manufacturing alternative. The key is metal forming versus metal removal. We have over 80 years of applied technology experience in forming metal solutions. For us, tough parts take shape just a little easier.



## HOLO-KROME ADVANTAGES

- Technical Engineering Staff to Answer your Questions
- Same Day Shipping
- 98% Fill Rates
- Full Metric and SAE Line
- Cad Drawing Online
- Two Fully Automated Continuous Heat Treating Furnaces Totalling 2,400 lbs/hr. Capacity
- Three Semi-Automated Batch Furnace Systems

## QUALITY CONTROL

- ISO 9001:2008
- Holo-Code Traceability
- Limited Raw Materials Suppliers to ensure tight chemistry
- ROHS Compliant
- QSLM Class 2 Approved
- DFARS Compliant
- A2LA

## PRODUCTS

- **Bolts, Screws & Studs:** Hex Heads, Heavy Hex, Dog Points, Flange 12 pt Screws, and Single End, Double End, and Fully Threaded Studs  
*According to: A193/A193M, A320/A320M, ANSI B18.2.1, DIN 931, 933, 960, & 961, A325/A325M, A490, A449, A354BD. SAE J429. and MORE*
- **All Types of Socket Cap Screws**  
*According to: ANSI B18.3, ISO 4762, ISO 898-1, A574, A193/A193M, A320/A320M, and MORE*
- **Custom Headed Parts**

## RAW MATERIALS

- **Carbon & Alloy Steel:** A193:B7, B7M, B16, A320/A320M:L7/L7M, 1018, 1045, 4140/42, 4037, 4137, 4340, 8640, and MORE
- **Stainless Steel:** 302HQ/304L (18-8), 316/316L, A2/A4 (50/70/80), 410, B8/B8M, B6/B6X, 17-4, PH (H925/H950/H1025/H1075/H1100/H1150/DH1150), and MORE
- **Super Alloys:** Monel™ 400/K500

## COATINGS

- **Electrolytic Coatings:** Zinc Plating, Nickel Plating, Chromium Plating, Copper Plating, Cadmium Plating
- **Chemical & Other Coatings:** Mn/Zn Phosphating, Electroless Nickel Plating, Geomet, Dacromet®, Molybdenum Disulfide, PTFE Product/Material Standards: ASTM, API, ANSI, ISO, DIN, NACE, SAE, IFI, and MORE

# MACHINING & PART SIZE CAPABILITIES

## Threading

- All Standard and Metric Thread Pitches (UNC, UNF, UNJ, Metric, Pipe)
- Rolled: up to 2" Diameter
- Right/Left Hand

## Hot Upset Forging

- Hot Heading and Forging: up to 2" Diameter (M48) and 28" (720m) long

## Cold Heading

Our 200,000 sq. ft. facility specializes in small to large, medium to high-volume parts, including:

- Specialty Shoulder Screws
- Large Head with Small Body Severe Upsets and Extrusions
- Custom Designed Parts and Exotic Configurations
- Semi-Special Manufactured Large Washer Heads
- Non-Standard Product with High Heads

**Socket Cap Screws:** #0-2" and M1.6 to M48

**Socket Set Screws:** #4 to 1 inch

**Socket Shoulder Screws:** 1/4 to  $\infty$  and M6 to M16

**Dowel Pins:** 1/8" to 1" and 3mm to 20mm - Standard and oversize

**Special Head Cap Screws:**

Flat Head – #4 to 3/4" and M3 to M16

Button Head – #4 to 5/8" and M3 to M12

Low Head – #8 to 1/4" and M4 to M16



# CUSTOM DESIGNED SOLUTIONS

## HOLO-KROME® Company

Made in the USA products are used in a wide variety of market applications that demand high-quality, high-strength precision components. In addition to the standard product line of cap screws, socket shoulder bolts, dowel pins, socket jam screws, and socket pipe plugs, HOLO-KROME also manufactures semi-standards, specialty parts and cold-headed parts.

With emphasis on lower cost and higher productivity, more companies are looking to HOLO-KROME to solve assembly and "tough-to-manufacture" part problems. If there is a length, material, coating or other criteria you don't find on our website or in our catalog, we will supply a quotation.



## Do you require screw machine parts that have:

- Two or more outside diameters?
- A recess or bore up to 2x diameter in depth?
- A requirement for special material?

Warm or cold heading may be a practical alternative. Shaping metal by controlled warm or cold forming yields inherently stronger parts. Material structure is controlled in critical stress areas, eliminating the possibility of tears that are so common with machined parts.

HOLO-KROME can shape various types of material - aluminum and brasses, austenitic and martensitic stainless, 4000 series alloy steels, all the way through H-11 and other tool steels - into difficult dimensions while retaining the metallurgically important property of grain flow.

Tough-to-manufacture parts can be produced at less cost than traditional methods. With little or no metal removal, savings in material normally justifies HOLO-KROME's heading process. Our vertically integrated manufacturing process encompasses many innovative secondary and finishing operations such as high-speed/proprietary machining, full capability contour grinding, and precision roll threading up to 2" diameter. Our finishing operations include a controlled-heat treating department. Most high-strength alloy parts are automatically conveyed through furnaces to ensure that specified metallurgical properties are achieved.

**Contact us today for a quote on your tough-to-manufacture parts.**



# HOLO-KROME®

## WHEN IT MATTERS MOST.™

*HOLO-KROME has been providing superior-quality critical application fasteners since 1929, and now offers custom designed solutions of the same superior-quality – each product proudly made in the USA.*

### The Difference Is Easy To See

"H-K" MARKING



SIZE MARKING



HOLO-CODE  
TRACEABILITY



To learn more about HOLO-KROME and the products we provide, visit:  
**[www.holo-krome.com](http://www.holo-krome.com)**

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