# HOLO-KROME®

## WHEN IT MATTERS MOST™

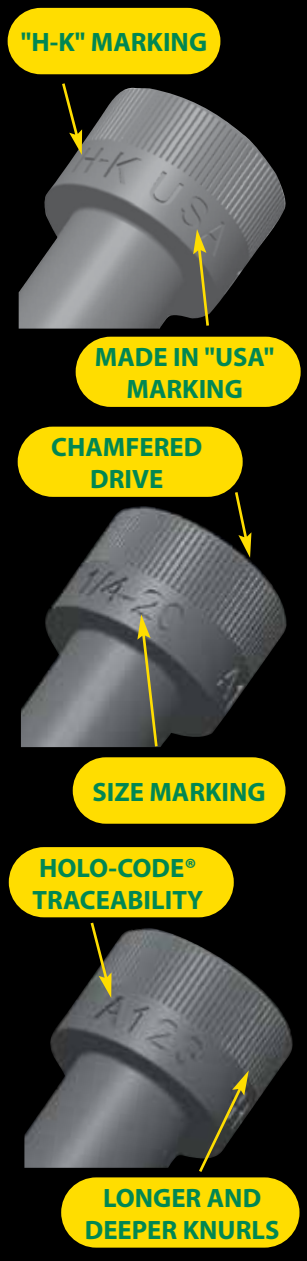
MADE IN THE USA SINCE 1929

# *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***




HOLO-KROME®
Made in USA
SINCE 1929

***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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# 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 capscrew, 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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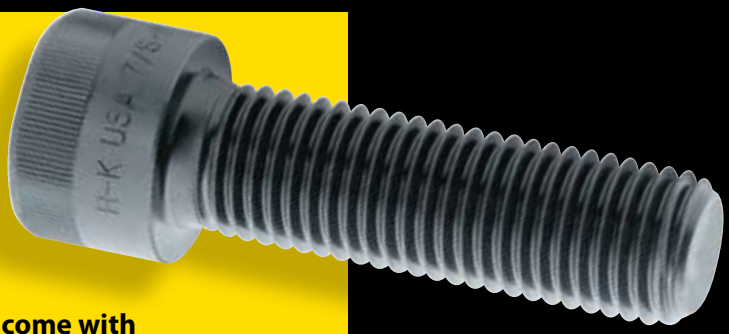
HOLO-KROME®
Made in USA
SINCE 1929

# HOLO-KROME®
# WHEN IT MATTERS MOST

MADE IN THE USA SINCE 1929

## 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 instillation 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

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

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

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

| Diameter | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| **1/2"** (Cont.) | 2-1/4" | 13 | **72236** | 4.0 | 25 |
| | 2-1/2" | | **72238** | 4.4 | |
| | 2-3/4" | | **72240** | 4.6 | |
| | 3" | | **72242** | 4.9 | |
| | 3-1/4" | | **72244** | 5.1 | |
| | 3-1/2" | | **72246** | 6.0 | |
| | 3-3/4" | | **72247** | 6.2 | |
| | 4" | | **72248** | 6.3 | |
| | 4-1/4" | | **720002490** | 2.7 | 10 |
| | 4-1/2" | | **72250** | 7.0 | 25 |
| | 4-3/4" | | **720002510** | 3.0 | 10 |
| | 5" | | **72252** | 7.9 | 25 |
| | 5-1/4" | | **720002530** | 3.2 | 10 |
| | 5-1/2" | | **72254** | 8.6 | 25 |
| | 5-3/4" | | **720002551** | 3.5 | 10 |
| | 6" | | **72256** | 9.3 | 25 |
| | 6-1/4" | | **720002570** | 3.8 | 10 |
| | 6-1/2" | | **72258** | 3.8 | |
| | 7" | | **72260** | 4.0 | |
| | 7-1/2" | | **720002610** | 4.5 | |
| | 8" | | **72262** | 4.5 | |
| | 8-1/2" | | **720002622** | 5.0 | |
| | 9" | | **720002624** | 5.3 | |
| | 10" | | **720002625** | 5.9 | |
| | 11" | | **720002627** | 6.4 | |
| | 12" | | **720002629** | 7.0 | |
| **5/8"** (.625") 1/2" Key | 1" | 11 | **72264** | 4.3 | 25 |
| | 1-1/4" | | **72266** | 4.8 | |
| | 1-1/2" | | **72268** | 5.3 | |
| | 1-3/4" | | **72270** | 5.6 | |
| | 2" | | **72272** | 6.0 | |
| | 2-1/4" | | **72274** | 6.8 | |
| | 2-1/2" | | **72276** | 7.3 | |
| | 2-3/4" | | **72278** | 7.8 | |
| | 3" | | **72280** | 8.4 | |
| | 3-1/4" | | **72282** | 9.0 | |
| | 3-1/2" | | **72284** | 9.5 | |
| | 4" | | **72286** | 10.5 | |
| | 4-1/2" | | **72288** | 9.5 | 20 |
| | 5" | | **72290** | 10.5 | |
| | 5-1/2" | | **72292** | 5.3 | 10 |
| | 6" | | **72294** | 5.5 | |
| | 6-1/2" | | **72296** | 5.9 | |
| | 7" | | **72298** | 6.3 | |
| | 7-1/2" | | **720002990** | 7.0 | |
| | 8" | | **72300** | 7.0 | |
| | 8-1/2" | | **720003002** | 7.9 | |
| | 9" | | **720003003** | 8.3 | |
| | 10" | | **720003005** | 9.2 | |
| | 11" | | **720003006** | 10.0 | |
| | 12" | | **720003007** | 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 |
|---|---|---|---|---|---|
| **3/4"** (.750") 5/8" Key | 1-1/4" | 10 | **72302** | 7.1 | 25 |
| | 1-1/2" | | **72304** | 7.6 | |
| | 1-3/4" | | **72306** | 8.4 | |
| | 2" | | **72308** | 9.1 | |
| | 2-1/4" | | **72310** | 9.9 | |
| | 2-1/2" | | **72312** | 10.6 | |
| | 2-3/4" | | **72314** | 11.4 | |
| | 3" | | **72316** | 12.3 | |
| | 3-1/4" | | **72318** | 13.0 | |
| | 3-1/2" | | **72320** | 13.8 | |
| | 3-3/4" | | **72321** | 14.8 | |
| | 4" | | **72322** | 15.4 | |
| | 4-1/2" | | **72324** | 14.0 | 20 |
| | 5" | | **72326** | 14.7 | |
| | 5-1/2" | | **72328** | 7.9 | 10 |
| | 6" | | **72330** | 8.4 | |
| | 6-1/2" | | **72332** | 9.0 | |
| | 7" | | **72334** | 9.6 | |
| | 7-1/2" | | **720003350** | 10.4 | |
| | 8" | | **72336** | 10.8 | |
| | 8-1/2" | | **720003352** | 11.6 | |
| | 9" | | **720003354** | 12.2 | |
| | 9-1/2" | | **720003356** | 12.8 | |
| | 10" | | **720003363** | 13.5 | |
| | 11" | | **720003364** | 14.7 | |
| | 12" | | **720003365** | 16.0 | |
| | 13" | | **720003366** | 17.2 | |
| **7/8"** (.875") 3/4" Key | 2" | 9 | **72338** | 5.1 | 10 |
| | 2-1/4" | | **72340** | 5.4 | |
| | 2-1/2" | | **72342** | 5.8 | |
| | 2-3/4" | | **72344** | 6.2 | |
| | 3" | | **72346** | 6.6 | |
| | 3-1/4" | | **72348** | 7.1 | |
| | 3-1/2" | | **72350** | 7.6 | |
| | 4" | | **72352** | 8.4 | |
| | 4-1/2" | | **72354** | 9.2 | |
| | 5" | | **72356** | 10.0 | |
| | 5-1/2" | | **72358** | 10.8 | |
| | 6" | | **72360** | 11.6 | |
| | 6-1/2" | | **72362** | 12.5 | |
| | 7" | | **72364** | 13.0 | |
| | 8" | | **72366** | 13.6 | |
| **1"** (1.000") 3/4" Key | 1-1/2" | 8 | **720003677** | 6.1 | 10 |
| | 1-3/4" | | **720003678** | 6.6 | |
| | 2" | | **72368** | 7.1 | |
| | 2-1/4" | | **72370** | 7.6 | |
| | 2-1/2" | | **72372** | 8.1 | |
| | 2-3/4" | | **72374** | 8.5 | |
| | 3" | | **72376** | 9.2 | |
| | 3-1/4" | | **72378** | 9.7 | |
| | 3-1/2" | | **72380** | 10.3 | |
| | 3-3/4" | | **720003810** | 10.8 | |
| | 4" | | **72382** | 11.3 | |
| | 4-1/2" | | **72384** | 12.4 | |
| | 5" | | **72386** | 13.5 | |
| | 5-1/2" | | **72388** | 14.6 | |

| Diameter | Length Under Head | Thread Series UNRC | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| **1"** (1.000") 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"** (1.250") 7/8" Key | **UNIFIED 2A THREAD FIT** | | | | |
| | 3" | 7 | **72400** | 1.6 | 1 |
| | 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"** (1.500") 1" Key | **UNIFIED 2A THREAD FIT** | | | | |
| | 3-1/2" | 6 | **72428** | 2.5 | 1 |
| | 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 |
|---|---|---|---|---|---|
| **#0** (.060") .050" Key | 1/8" | 80 | **73002** | 0.1 | 100 |
| | 3/16" | | **73004** | 0.1 | |
| | 1/4" | | **73006** | 0.1 | |
| | 3/8" | | **73008** | 0.1 | |
| **#1** (.073") 1/16" Key | 1/4" | 72 | **73014** | 0.1 | 100 |
| | 3/8" | | **73016** | 0.1 | |
| **#4** (.112") 3/32" Key | 1/4 | 48 | **730000180** | 0.1 | 50 |
| | 3/8 | | **730000200** | 0.1 | |
| | 1/2 | | **730000220** | 0.1 | |
| | 1 | | **730000270** | 0.1 | 25 |
| **#6** (.138") 7/64" Key | 1/4" | 40 | **73018** | 0.3 | 100 |
| | 3/8" | | **73020** | 0.3 | |
| | 1/2" | | **73022** | 0.4 | |
| | 5/8" | | **73024** | 0.4 | |
| | 3/4" | | **73026** | 0.4 | |
| | 1 | | **730000500** | 0.2 | 25 |
| | 1-1/4 | | **730000510** | 0.2 | |
| **#8** (.164") 9/64" Key | 3/8" | 36 | **73028** | 0.5 | 100 |
| | 1/2" | | **73030** | 0.5 | |
| | 3/4" | | **73032** | 0.7 | |
| | 1 | | **730000640** | 0.2 | 25 |
| **#10** (.190") 5/32" Key | 1/4" | 32 | **77388** | 0.5 | 100 |
| | 5/16 | | **730000698** | 0.6 | 100 |
| | 3/8" | | **73034** | 0.6 | 100 |
| | 1/2" | | **73036** | 0.7 | 100 |
| | 5/8" | | **73038** | 0.8 | 100 |
| | 3/4" | | **73040** | 0.9 | 100 |
| | 7/8" | | **73042** | 0.9 | 100 |
| | 1" | | **73044** | 1.0 | 100 |
| | 1-1/4" | | **73046** | 1.3 | 100 |
| | 1-1/2" | | **73048** | 1.4 | 100 |
| | 1-3/4" | | **73050** | 1.6 | 100 |
| | 2" | | **73052** | 1.9 | 100 |
| | 2-1/4" | | **77440** | 2.0 | 100 |
| | 2-1/2" | | **77442** | 2.2 | 100 |
| | 2-3/4 | | **730000891** | 2.3 | 100 |
| | 3 " | | **77446** | 2.5 | 100 |
| **1/4"** (.250") 3/16" Key | 1/4" | 28 | **77450** | 0.8 | 100 |
| | 3/8" | | **73054** | 1.0 | 100 |
| | 1/2" | | **73056** | 1.2 | 100 |
| | 5/8" | | **73058** | 1.4 | 100 |
| | 3/4" | | **73060** | 1.5 | 100 |
| | 7/8" | | **73062** | 1.6 | 100 |
| | 1" | | **73064** | 1.8 | 100 |
| | 1-1/4" | | **73066** | 2.1 | 100 |
| | 1-1/2" | | **73068** | 2.5 | 100 |
| | 1-3/4" | | **73070** | 2.8 | 100 |
| | 2 " | | **73072** | 3.0 | 100 |
| | 2-1/4" | | **73074** | 3.4 | 100 |
| | 2-1/2" | | **77474** | 3.8 | 100 |
| | 3 " | | **77478** | 4.3 | 100 |
| | 4 " | | **77482** | 5.7 | 100 |

| Diameter | Length Under Head | Thread Series UNRF | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| **5/16"** (.312") 1/4" Key | 1/2" | 24 | **73076** | 2.0 | 100 |
| | 5/8" | | **73078** | 2.3 | |
| | 3/4" | | **73080** | 2.5 | |
| | 7/8" | | **73082** | 2.7 | |
| | 1" | | **73084** | 2.9 | |
| | 1-1/4" | | **73086** | 3.4 | |
| | 1-1/2" | | **73088** | 3.9 | |
| | 1-3/4" | | **73090** | 4.4 | |
| | 2 " | | **73092** | 4.9 | |
| | 2-1/4" | | **73094** | 5.4 | |
| | 2-1/2" | | **73096** | 5.9 | |
| | 3" | | **730001440** | 6.9 | |
| | 3-1/2" | | **730001480** | 3.9 | 50 |
| | 4" | | **730001490** | 4.5 | |
| **3/8"** (.375") 5/16" Key | 1/2" | 24 | **73098** | 3.4 | 100 |
| | 5/8" | | **73100** | 3.8 | |
| | 3/4" | | **73102** | 4.0 | |
| | 7/8" | | **73104** | 4.3 | |
| | 1" | | **73106** | 4.6 | |
| | 1-1/4" | | **73108** | 5.2 | |
| | 1-1/2" | | **73110** | 6.0 | |
| | 1-3/4" | | **73112** | 3.3 | 50 |
| | 2" | | **73114** | 3.9 | |
| | 2-1/4" | | **73116** | 4.3 | |
| | 2-1/2" | | **73118** | 4.5 | |
| | 2-3/4" | | **73119** | 4.9 | |
| | 3" | | **73120** | 5.1 | |
| | 3-1/2" | | **77500** | 5.8 | |
| | 4" | | **77504** | 6.6 | |
| | 4-1/2" | | **730001820** | 7.4 | |
| | 5" | | **77510** | 8.8 | |
| | 5-1/2" | | **730001840** | 9.2 | |
| | 6" | | **730001850** | 9.5 | |
| **7/16"** (.437") 3/8" Key | 1" | 20 | **73122** | 6.4 | 100 |
| | 1-1/4" | | **73124** | 3.8 | 50 |
| | 1-1/2" | | **73126** | 4.2 | |
| | 2 " | | **73128** | 5.0 | |
| | 2-1/2" | | **730002060** | 6.0 | |
| | 3" | | **730002080** | 3.5 | 25 |
| | 3-1/2" | | **730002140** | 4.0 | |
| **1/2"** (.500") 3/8" Key | 3/4" | 20 | **730002220** | 4.2 | 50 |
| | 1" | | **73130** | 4.8 | |
| | 1-1/4" | | **73132** | 5.3 | |
| | 1-1/2" | | **73134** | 6.3 | |
| | 1-3/4" | | **73136** | 6.6 | |
| | 2" | | **73138** | 7.4 | |
| | 2-1/4" | | **73140** | 4.0 | 25 |
| | 2-1/2" | | **73142** | 4.4 | |
| | 2-3/4" | | **73143** | 4.6 | |
| | 3" | | **73144** | 4.9 | |
| | 3-1/2" | | **73145** | 6.0 | |
| | 4" | | **77540** | 6.3 | |
| | 4-1/2" | | **77544** | 7.0 | |
| | 5" | | **77548** | 7.9 | |
| | 5-1/2" | | **77552** | 8.6 | |
| | 6" | | **77556** | 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 |
|---|---|---|---|---|---|
| **5/8"** (.625") 1/2" Key | 1" | 18 | **73146** | 4.3 | 25 |
| | 1-1/4" | | **73148** | 4.8 | |
| | 1-1/2" | | **73150** | 5.3 | |
| | 1-3/4" | | **73152** | 5.6 | |
| | 2" | | **73154** | 6.0 | |
| | 2-1/2" | | **73156** | 7.3 | |
| | 2-1/4" | | **73155** | 6.8 | |
| | 2-3/4" | | **73158** | 7.8 | |
| | 3" | | **73160** | 8.4 | |
| | 3-1/2" | | **73164** | 9.5 | |
| | 4" | | **73168** | 10.5 | |
| | 4-1/2" | | **73172** | 9.5 | 20 |
| | 5" | | **73176** | 10.5 | |

| Diameter | Length Under Head | Thread Series UNRF | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| **3/4"** (.750") 5/8" Key | 1-1/4" | 16 | **730003020** | 7.1 | 25 |
| | 1-1/2" | | **730003040** | 7.6 | |
| | 1-3/4" | | **730003060** | 8.0 | |
| | 2" | | **730003080** | 9.1 | |
| | 2-1/4" | | **730003100** | 9.9 | |
| | 2-1/2" | | **730003120** | 10.6 | |
| | 2-3/4" | | **730003140** | 11.4 | |
| | 3" | | **730003160** | 12.3 | |
| | 3-1/2" | | **730003200** | 13.8 | |
| | 3-3/4" | | **730003210** | 14.8 | |
| | 4" | | **730003220** | 15.4 | |
| | 4-1/2" | | **730003240** | 17.1 | |
| | 5" | | **730003260** | 18.8 | |
| | 5-1/2" | | **730003280** | 8.0 | 10 |
| | 6" | | **730003300** | 8.7 | |
| | 7" | | **730003340** | 10.0 | |
| | 8" | | **730003360** | 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 | | |
| **#2** (.086") 56 UNRC 5/64" Key | 1/4" | **78004** | - | 0.1 | 100 |
| | 3/8" | **78006** | - | 0.1 | |
| **#4** (.112") 40 UNRC 3/32" Key | 3/16" | **780110019** | - | 0.1 | 100 |
| | 1/4" | **78010** | - | 0.2 | |
| | 5/16" | **780110031** | - | 0.1 | |
| | 3/8" | **78012** | - | 0.2 | |
| | 7/16" | **780110044** | | 0.2 | |
| | 1/2" | **78014** | - | 0.3 | |
| | 5/8" | **780110063** | - | **0.2** | |
| | 3/4" | **780110075** | - | 0.2 | |
| | 7/8" | **780110088** | - | 0.2 | |
| | 1" | **780110100** | - | 0.3 | |
| | 1-1/4" | **780110125** | - | 0.3 | |
| | 1-1/2" | **780110150** | - | 0.4 | |
| **#6** (.138") 32 UNRC 7/64" Key | 1/4" | **78016** | - | 0.3 | 100 |
| | 5/16" | **780140031** | - | 0.2 | |
| | 3/8" | **78018** | - | 0.3 | |
| | 1/2" | **78020** | - | 0.4 | |
| | 5/8" | **78022** | - | 0.4 | |
| | 3/4" | **78024** | - | 0.4 | |
| | 7/8" | **780140088** | - | 0.4 | |
| | 1" | **780140100** | - | 0.4 | |
| | 1-1/4" | **780140125** | - | 0.5 | |
| | 1-1/2" | **780140150** | - | 0.6 | |
| | 1-3/4" | **780140175** | - | 0.7 | |

| Diameter | Length Under Head | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNRC | UNRF | | |
| **#8** (.164") 32 UNRC 9/64" Key | 1/4" | **780160025** | - | 0.3 | 100 |
| | 5/16" | **780160031** | - | 0.4 | |
| | 3/8" | **78026** | - | 0.5 | |
| | 1/2" | **78028** | - | 0.5 | |
| | 5/8" | **78030** | - | 0.6 | |
| | 3/4" | **78032** | - | 0.7 | |
| | 7/8" | **780160088** | - | 0.6 | |
| | 1" | **78034** | - | 0.8 | |
| | 1-1/4" | **780160125** | - | 0.8 | |
| | 1-1/2" | **780160150** | - | 0.9 | |
| | 1-3/4" | **780160175** | - | 1.0 | |
| | 2" | **780160200** | - | 1.2 | |
| | 2-1/2" | **780160250** | - | 1.5 | |
| **#10** (.190") 24 UNRC 32 UNRF 5/32" Key | 1/4" | **780190025** | **790190025** | 0.4 | 100 |
| | 5/16" | **780190031** | **790190031** | 0.6 | |
| | 3/8" | **78036** | **79018** | 0.6 | |
| | 1/2" | **78038** | **79020** | 0.7 | |
| | 5/8" | **78040** | **79022** | 0.8 | |
| | 3/4" | **78042** | **79024** | 0.9 | |
| | 7/8" | **78044** | **790190088** | 0.9 | |
| | 1" | **780190100** | **79028** | 0.9 | |
| | 1-1/4" | **780190125** | **79030** | 1.1 | |
| | 1-1/2" | **780190150** | **79032** | 1.2 | |
| | 1-3/4" | **780190175** | **790190175** | 1.4 | |
| | 2" | **780190200** | **790190200** | 1.6 | |
| | 2-1/4" | **780190225** | **790190225** | 1.8 | |
| | 3" | - | **790190300** | 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 | | |
| **1/4"** (.250") 20 UNRC 28 UNRF 3/16" Key | 3/8" | **78052** | - | 1.0 | 100 |
| | 1/2" | **78054** | - | 1.2 | |
| | 5/8" | **78056** | **79036** | 1.4 | |
| | 3/4" | **78058** | **79038** | 1.5 | |
| | 7/8" | **78060** | - | 1.6 | |
| | 1" | **78062** | **79040** | 1.8 | |
| | 1-1/4" | **78064** | - | 2.1 | |
| | 1-1/2" | **78066** | - | 2.5 | |
| | 1-3/4" | **78068** | - | 2.8 | |
| | 2" | **78070** | - | 3.0 | |
| **5/16"** (.312") 18 UNRC 1/4" Key | 1/2" | **78072** | - | 2.0 | 100 |
| | 3/4" | **78076** | - | 2.5 | |
| | 7/8" | **78078** | - | 2.7 | |
| | 1" | **78080** | - | 2.9 | |
| | 1-1/4" | **78082** | - | 3.4 | |
| | 1-1/2" | **78084** | - | 3.9 | |
| | 2" | **78088** | - | 4.9 | |

| Diameter | Length Under Head | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNRC | UNRF | | |
| **3/8"** (.375") 16 UNRC 5/16" Key | 1/2" | **78090** | - | 3.4 | 100 |
| | 5/8" | **78092** | - | 3.8 | |
| | 3/4" | **78094** | - | 4.0 | |
| | 1" | **78098** | - | 4.6 | |
| | 1-1/4" | **78100** | - | 5.2 | |
| | 1-1/2" | **78102** | - | 6.0 | |
| | 1-3/4" | **78104** | - | 3.3 | 50 |
| | 2" | **78106** | - | 3.9 | |
| | 2-1/2" | **78108** | - | 4.5 | |
| **1/2"** (.500") 13 UNRC 3/8" Key | 1" | **78112** | - | 4.8 | 50 |
| | 1-1/4" | **78114** | - | 5.3 | |
| | 1-1/2" | **78116** | - | 6.3 | |
| | 1-3/4" | **78118** | - | 6.6 | |
| | 2" | **78120** | - | 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 | | |
| **#8** (.164") 32 UNRC 5/64" Key Head Height .082 | 3/8" | **68002** | - | 0.3 | 100 |
| | 1/2" | **68004** | - | 0.3 | |
| | 3/4" | **68008** | - | 0.5 | |
| | 1" | **68010** | - | 0.7 | |
| **#10** (.190") 24 UNRC 32 UNRF 3/32" Key Head Height .095 | 3/8" | **68012** | **69002** | 0.4 | 100 |
| | 1/2" | **68014** | **69004** | 0.5 | |
| | 5/8" | - | **69006** | 0.6 | |
| | 3/4" | **68018** | **69008** | 0.7 | |
| **1/4"** (.250") 20 UNRC 1/8" Key Head Height .125 | 3/8" | **68022** | - | 0.7 | 100 |
| | 1/2" | **68024** | - | 0.8 | |
| | 5/8" | **68026** | - | 1.1 | |
| | 3/4" | **68028** | - | 1.2 | |
| | 1" | **68030** | - | 1.3 | |

| Diameter | Length Under Head | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNRC | UNRF | | |
| **5/16"** (.312") 18 UNRC 5/32" Key Head Height .156 | 1/2" | **68032** | - | 1.4 | 100 |
| | 3/4" | **68034** | - | 1.8 | |
| | 1" | **68036** | - | 2.2 | |
| | 1-1/4" | **68038** | - | 2.8 | |
| | 1-1/2" | **68040** | - | 3.3 | |
| **3/8"** (.375") 16 UNRC 3/16" Key Head Height .187 | 1/2" | **68042** | - | 2.2 | 100 |
| | 3/4" | **68044** | - | 2.8 | |
| | 1" | **68046** | - | 3.5 | |
| | 1-1/4" | **68048** | - | 4.2 | |
| | 1-1/2" | **68050** | - | 5.0 | |
| **1/2"** (.500") 13 UNRC 1/4" Key Head Height .250 | 1" | **68052** | - | 3.7 | 50 |
| | 1-1/4" | **68054** | - | 4.1 | |
| | 1-1/2" | **68056** | - | 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 | | |
| **#4** (.112") 40 UNRC 1/16" Key | 1/4" | **60002** | - | 0.1 | 100 |
| | 3/8" | **60004** | - | 0.2 | |
| | 1/2" | **60006** | - | 0.2 | |
| | 5/8" | **60008** | - | 0.2 | |
| | 3/4" | **60010** | - | 0.3 | |
| **#5** (.125") 40 UNRC 5/64" Key | 1/4" | **60012** | - | 0.1 | 100 |
| | 3/8" | **60014** | - | 0.2 | |
| | 1/2" | **60016** | - | 0.2 | |
| | 5/8" | **60018** | - | 0.3 | |
| | 3/4" | **60020** | - | 0.3 | |
| **#6** (.138") 32 UNRC 5/64" Key | 1/4" | **60022** | - | 0.2 | 100 |
| | 3/8" | **60024** | - | 0.2 | |
| | 1/2" | **60026** | - | 0.3 | |
| | 5/8" | **60028** | - | 0.3 | |
| | 3/4" | **60030** | - | 0.3 | |
| **#8** (.164") 32 UNRC 3/32" Key | 3/8" | **60032** | - | 0.3 | 100 |
| | 1/2" | **60034** | - | 0.3 | |
| | 5/8" | **60036** | - | 0.4 | |
| | 3/4" | **60038** | - | 0.5 | |
| | 1" | **60040** | - | 0.6 | |
| **#10** (.190") 24 UNRC 32 UNRF 1/8" Key | 3/8" | **60042** | **61002** | 4.0 | 100 |
| | 1/2" | **60044** | **61004** | 0.5 | |
| | 5/8" | **60046** | **61006** | 0.6 | |
| | 3/4" | **60048** | **61008** | 0.6 | |
| | 1" | **60050** | **61010** | 0.8 | |
| | 1-1/4" | **60052** | **61012** | 1.0 | |
| | 1-1/2" | **60054** | **61014** | 1.2 | |
| **1/4"** (.250") 20 UNRC 28 UNRF 5/32" Key | 3/8" | **60056** | **61016** | 0.8 | 100 |
| | 1/2" | **60058** | **61018** | 0.9 | |
| | 5/8" | **60060** | **61020** | 1.0 | |
| | 3/4" | **60062** | **61022** | 1.2 | |
| | 1" | **60064** | **61024** | 1.4 | |
| | 1-1/4" | **60066** | **61026** | 1.7 | |
| | 1-1/2" | **60068** | **61028** | 2.1 | |
| | 1-3/4" | **60070** | - | 2.5 | |
| | 2" | **60072** | - | 2.8 | |
| **5/16"** (.312") 18 UNRC 24 UNRF 3/16" Key | 1/2" | **60074** | **61030** | 1.6 | 100 |
| | 5/8" | **60076** | **61032** | 1.7 | |
| | 3/4" | **60078** | **61034** | 2.0 | |
| | 1" | **60080** | **61036** | 2.4 | |
| | 1-1/4" | **60082** | **61038** | 2.9 | |
| | 1-1/2" | **60084** | - | 3.4 | |
| | 1-3/4" | **60086** | - | 4.0 | |
| | 2" | **60088** | - | 4.5 | |
| | 2-1/4" | **60090** | - | 5.1 | |
| | 2-1/2" | **60092** | - | 5.5 | |

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

# Socket Button Head Cap Screws

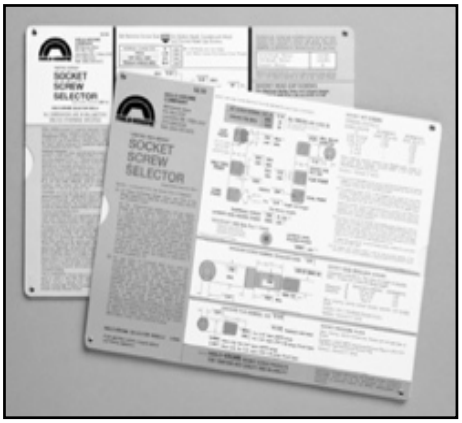
**COARSE AND FINE THREAD SERIES**

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** (.112") 40 UNRC 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** 40 UNRC (.125") 5/64" Key | 1/4 | **640010280** | - | 0.2 | 100 |
| | 3/8 | **640010300** | - | 0.1 | 50 |
| | 1/2 | **640010320** | - | 0.1 | |
| **#6** (.138") 32 UNRC 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** (.164") 32 UNRC 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 | |
| | 1" | **88348** | - | 0.7 | |
| **#10** (.190") 24 UNRC 32 UNRF 1/8" Key | 1/4" | **64026** | **65002** | 0.4 | 100 |
| | 5/16 | | **650000270** | 0.1 | 25 |
| | 3/8" | **64028** | **65004** | 0.4 | 100 |
| | 1/2" | **64030** | **65006** | 0.5 | |
| | 5/8" | **64032** | **65008** | 0.6 | |
| | 3/4" | **64034** | **65010** | 0.7 | |
| | 7/8" | **64036** | **65012** | 0.4 | 50 |
| | 1" | **64038** | **65014** | 0.4 | |

| Diameter | Length Under Head | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNRC | UNRF | | |
| **1/4"** (.250") 20 UNRC 28 UNRF 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"** (.312") 18 UNRC 24 UNRF 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 |
| | 1" | **64062** | **65034** | 1.1 | |
| **3/8"** (.375") 16 UNRC 24 UNRF 7/32" Key | 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 | |
| | 1-1/4" | **64074** | - | 2.0 | |
| **1/2"** (.500") 13 UNRC 5/16" Key | 1" | **64076** | - | 1.7 | 25 |
| | 1-1/4" | **64078** | - | 2.0 | |
| | 1-1/2" | **64080** | - | 2.3 | |
| | 2" | **64082** | - | 3.0 | |
| **5/8"** (.625") 11 UNRC 3/8" Key | 1" | **64084** | - | 2.9 | 25 |
| | 1-1/4" | **64086** | - | 3.3 | |
| | 1-1/2" | **64088** | - | 3.8 | |
| | 2" | **64090** | - | 4.8 | |

## Holo-Krome® Socket Screw Selector

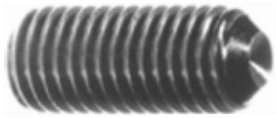



**These socket screw selectors are available in inch and metric for your fastener design needs.**

Socket Selector
Part numbers:
SAE: 99013
Metric: 99014

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

# Socket Set Screws



## COARSE & FINE THREAD SERIES

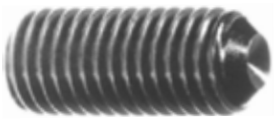
HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT
MEETS ASME B18.3 • MEETS ASTM F912

## CUP POINT

| Diameter | Length Overall | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNC | UNF | | |
| **#4** (.112") 40 UNC 48 UNF .050" Key | 1/8" | **32020** | **33020** | 0.1 | 100 |
| | 3/16" | **32022** | **33022** | 0.1 | |
| | 1/4" | **32024** | **33024** | 0.1 | |
| | 5/16" | **32026** | - | 0.1 | |
| | 3/8" | **32028** | - | 0.1 | |
| | 1/2" | **32030** | - | 0.1 | |
| | 5/8" | **32032** | - | 0.2 | |
| **#5** (.125") 40 UNC 44 UNF 1/16" Key | 1/8" | **32034** | **33026** | 0.1 | 100 |
| | 3/16" | **32036** | - | 0.1 | |
| | 1/4" | **32038** | - | 0.1 | |
| | 5/16" | **32040** | - | 0.1 | |
| | 3/8" | **32042** | - | 0.1 | |
| | 1/2" | **32044** | - | 0.2 | |
| | 5/8" | **32046** | - | 0.2 | |
| | 3/4" | **32048** | - | 0.2 | |
| **#6** (.138") 32 UNC 40 UNF 1/16" Key | 1/8" | **32050** | **33032** | 0.1 | 100 |
| | 3/16" | **32052** | **33034** | 0.1 | |
| | 1/4" | **32054** | **33036** | 0.1 | |
| | 5/16" | **32056** | - | 0.1 | |
| | 3/8" | **32058** | **33040** | 0.1 | |
| | 1/2" | **32060** | - | 0.2 | |
| | 5/8" | **32062** | - | 0.2 | |
| | 3/4" | **32064** | - | 0.3 | |
| | 7/8" | **32066** | - | 0.3 | |
| | 1" | **32068** | - | 0.4 | |
| **#8** (.164") 32 UNC 36 UNF 5/64" Key | 1/8" | **32070** | **33042** | 0.1 | 100 |
| | 3/16" | **32072** | **33044** | 0.1 | |
| | 1/4" | **32074** | **33046** | 0.1 | |
| | 5/16" | **32076** | - | 0.2 | |
| | 3/8" | **32078** | **33050** | 0.2 | |
| | 7/16" | **32080** | - | 0.2 | |
| | 1/2" | **32082** | - | 0.2 | |
| | 5/8" | **32084** | - | 0.3 | |
| | 3/4" | **32086** | - | 0.3 | |
| | 7/8" | **32088** | - | 0.4 | |
| | 1" | **32090** | - | 0.5 | |
| **#10** (.190") 24 UNC 32 UNF 3/32" Key | 3/16" | **32092** | **33054** | 0.1 | 100 |
| | 1/4" | **32094** | **33056** | 0.1 | |
| | 5/16" | **32096** | **33058** | 0.2 | |
| | 3/8" | **32098** | **33060** | 0.3 | |
| | 1/2" | **32100** | **33062** | 0.3 | |
| | 5/8" | **32102** | **33064** | 0.3 | |
| | 3/4" | **32104** | **33066** | 0.4 | |
| | 7/8" | **32106** | - | 0.4 | |
| | 1" | **32108** | **33068** | 0.5 | |
| | 1-1/4" | **32110** | **33070** | 0.6 | |
| **1/4"** (.250") 20 UNC 28 UNF 1/8" Key | 3/16" | **32112** | **33072** | 0.3 | 100 |
| | 1/4" | **32114** | **33074** | 0.3 | |
| | 5/16" | **32116** | **33076** | 0.3 | |
| | 3/8" | **32118** | **33078** | 0.4 | |
| | 1/2" | **32120** | **33080** | 0.5 | |

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

# 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 | | |
| **5/8"** (.625") 11 UNC 18 UNF 5/16" Key | 1/2" | **32236** | - | 2.8 | 100 |
| | 5/8" | **32238** | **33132** | 1.8 | 50 |
| | 3/4" | **32240** | - | 2.1 | |
| | 1" | **32242** | **33134** | 3.0 | |
| | 1-1/4" | **32244** | - | 1.9 | 25 |
| | 1-1/2" | **32246** | - | 2.4 | |
| | 1-3/4" | **32248** | - | 2.9 | |
| | 2" | **32250** | - | 3.2 | |
| | 2-1/2" | **32252** | - | 1.7 | 10 |
| | 3" | **32254** | - | 2.1 | |
| **3/4"** (.750") 10 UNC 3/8" Key | 5/8" | **32256** | - | 2.8 | 50 |
| | 3/4" | **32258** | - | 3.3 | |
| | 1" | **32260** | - | 4.3 | |

| Diameter | Length Overall | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNC | UNF | | |
| **3/4"** (Cont.) | 1-1/4" | **32262** | - | 2.7 | 25 |
| | 1-1/2" | **32264** | - | 3.4 | |
| | 1-3/4" | **32266** | - | 1.6 | 10 |
| | 2" | **32268** | - | 1.8 | |
| | 2-1/2" | **32270** | - | 2.4 | |
| | 3" | **32272** | - | 2.9 | |
| **7/8"** (.875") 9 UNC 1/2" Key | 7/8" | **32274** | - | 0.9 | 10 |
| | 1" | **32276** | - | 1.0 | |
| | 2-1/2" | **32282** | - | 3.1 | |
| **1"** (1.000") 9/16" Key | 1" | **32286** | - | 1.3 | 10 |
| | 1-1/2" | **32288** | - | 2.2 | |
| | 2" | **32290** | - | 3.2 | |
| | 3" | **32294** | - | 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 | | |
| **#4** (.112") 40 UNC .050" Key | 1/8" | **42002** | - | 0.1 | 100 |
| **#6** (.138") 32 UNC 40 UNF 1/16" Key | 1/8" | **42008** | **43006** | 0.1 | 100 |
| | 3/16" | **42010** | - | 0.1 | |
| | 1/4" | **42012** | - | 0.1 | |
| **#8** (.164") 32 UNC 5/64" Key | 1/8" | **42014** | - | 0.1 | 100 |
| | 3/16" | **42016** | - | 0.1 | |
| | 1/4" | **42018** | - | 0.1 | |
| | 3/8" | **42020** | - | 0.2 | |
| **#10** (.190") 24 UNC 32 UNF 3/32" Key | 3/16" | - | **43008** | 0.1 | 100 |
| | 1/4" | **42024** | **43010** | 0.1 | |
| | 3/8" | - | **43012** | 0.3 | |
| | 1/2" | - | **43014** | 0.3 | |
| **1/4"** (.250") 20 UNC 28 UNF 1/8" Key | 3/16" | **42026** | **43016** | 0.3 | 100 |
| | 1/4" | **42028** | **43018** | 0.3 | |
| | 5/16" | **42030** | **43020** | 0.3 | |
| | 3/8" | **42032** | **43022** | 0.4 | |
| | 1/2" | **42034** | - | 0.5 | |
| | 3/4" | **42036** | - | 0.8 | |

| Diameter | Length Overall | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNC | UNF | | |
| **5/16"** (.312") 18 UNC 24 UNF 5/32" Key | 1/4" | **42038** | **43024** | 0.4 | 100 |
| | 5/16" | **42040** | **43026** | 0.4 | |
| | 3/8" | **42042** | **43028** | 0.5 | |
| | 1/2" | **42043** | **43030** | 0.8 | |
| | 5/8" | **42044** | - | 1.0 | |
| | 3/4" | **42045** | - | 1.2 | |
| | 1" | **42046** | - | 1.7 | |
| **3/8"** (.375") 16 UNC 24 UNF 3/16" Key | 3/8" | **42047** | **43032** | 0.9 | 100 |
| | 1/2" | **42048** | **43034** | 1.1 | |
| | 3/4" | **42049** | - | 1.8 | |
| | 1" | **42050** | - | 2.3 | |
| **1/2"** (.500") 13 UNC 1/4" Key | 1/2" | **42052** | - | 2.0 | 100 |
| | 5/8" | **42054** | - | 2.5 | |
| | 3/4" | **42056** | - | 2.8 | 50 |
| | 1" | **42058** | - | 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 |
|---|---|---|---|---|
| **1/4"** (.246") (.248") 1/8" Key THREAD SERIES #10-24 UNRC | 3/8" | **08002** | 0.4 | 25 |
| | 1/2" | **08004** | 0.4 | |
| | 5/8" | **08006** | 0.4 | |
| | 3/4" | **08008** | 0.5 | |
| | 1" | **08010** | 0.6 | |
| | 1-1/4" | **08012** | 0.6 | |
| | 1-1/2" | **08014** | 0.8 | |
| **5/16"** (.3085") (.3105") 5/32" Key THREAD SERIES 1/4-20 UNRC | 3/8" | **08016** | 0.5 | 25 |
| | 1/2" | **08018** | 0.6 | |
| | 5/8" | **08020** | 0.7 | |
| | 3/4" | **08022** | 0.8 | |
| | 1" | **08024** | 0.9 | |
| | 1-1/4" | **08026** | 1.0 | |
| | 1-1/2" | **08028** | 1.1 | |
| | 1-3/4" | **08030** | 1.3 | |
| | 2" | **08032** | 1.4 | |
| **3/8"** (.371") (.373") 3/16" Key THREAD SERIES 5/16-18 UNRC | 1/4" | **0800330** | 0.9 | 25 |
| | 3/8" | **08034** | 0.9 | |
| | 1/2" | **08036** | 1.0 | |
| | 5/8" | **08038** | 1.1 | |
| | 3/4" | **08040** | 1.3 | |
| | 1" | **08042** | 1.4 | |
| | 1-1/4" | **08046** | 1.6 | |
| | 1-1/2" | **08048** | 1.9 | |
| | 1-3/4" | **08049** | 2.1 | |
| | 2" | **08050** | 2.3 | |
| | 2-1/4" | **08052** | 2.4 | |
| | 2-1/2" | **08054** | 2.6 | |
| | 2-3/4" | **08056** | 2.9 | |
| | 3" | **08058** | 3.1 | |
| | 3-1/4" | **08060** | 3.3 | |
| | 3-1/2" | **08062** | 3.5 | |
| | 4" | **08064** | 3.9 | |
| **1/2"** (.496") (.498") 1/4" Key THREAD SERIES 3/8-16 UNRC | 3/8" | **0800650** | 1.9 | 25 |
| | 1/2" | **08066** | 2.0 | |
| | 5/8" | **08068** | 2.3 | |
| | 3/4" | **08070** | 2.4 | |
| | 1" | **08072** | 2.8 | |
| | 1-1/4" | **08074** | 3.1 | |
| | 1-1/2" | **08076** | 3.4 | |
| | 1-3/4" | **08078** | 3.8 | |
| | 2" | **08080** | 4.1 | |
| | 2-1/4" | **08082** | 4.5 | |
| | 2-1/2" | **08084** | 4.9 | |
| | 2-3/4" | **08086** | 5.2 | |
| | 3" | **08088** | 5.6 | |
| | 3-1/4" | **08090** | 5.9 | |
| | 3-1/2" | **08092** | 6.3 | |
| | 3-3/4" | **08093** | 6.5 | |
| | 4" | **08094** | 7.0 | |
| | 4-1/4" | **08095** | 7.2 | |
| | 4-1/2" | **08096** | 3.0 | 10 |
| | 4-3/4" | **08097** | 3.2 | |
| | 5" | **08098** | 3.4 | |

| Diameter | Shoulder Length | Product Number Code | Approx. Weight per Box (lbs.) | Qty. In Box |
|---|---|---|---|---|
| **5/8"** (.621") (.623") 5/16" Key THREAD SERIES 1/2-13 UNRC | 3/4" | **0800994** | 4.1 | 25 |
| | 1" | **0800996** | 4.7 | |
| | 1-1/4" | **08100** | 5.0 | |
| | 1-1/2" | **08102** | 5.6 | |
| | 1-3/4" | **08104** | 6.3 | |
| | 2" | **08106** | 6.8 | |
| | 2-1/4" | **08108** | 7.4 | |
| | 2-1/2" | **08110** | 7.9 | |
| | 2-3/4" | **08112** | 8.5 | |
| | 3" | **08114** | 8.9 | |
| | 3-1/4" | **08116** | 9.5 | |
| | 3-1/2" | **08118** | 10.0 | |
| | 3-3/4" | **08117** | 4.2 | |
| | 4" | **08120** | 4.4 | 10 |
| | 4-1/4" | **08119** | 4.6 | |
| | 4-1/2" | **08122** | 5.0 | |
| | 4-3/4" | **08121** | 5.1 | |
| | 5" | **08124** | 5.2 | |
| | 5-1/2" | **08123** | 6.2 | |
| | 6" | **08125** | 6.6 | |
| **3/4"** (.746") (.748") 3/8" Key THREAD SERIES 5/8-11 UNRC | 1-1/2" | **08126** | 3.6 | 10 |
| | 1-3/4" | **08128** | 3.8 | |
| | 2" | **08130** | 4.0 | |
| | 2-1/4" | **08132** | 4.4 | |
| | 2-1/2" | **08134** | 4.8 | |
| | 2-3/4" | **08136** | 5.0 | |
| | 3" | **08138** | 5.4 | |
| | 3-1/4" | **08139** | 5.6 | |
| | 3-1/2" | **08140** | 6.0 | |
| | 3-3/4" | **08141** | 6.3 | |
| | 4" | **08142** | 6.6 | |
| | 4-1/4" | **08143** | 7.0 | |
| | 4-1/2" | **08144** | 7.2 | |
| | 4-3/4" | **08145** | 7.6 | |
| | 5" | **08146** | 7.8 | |
| | 5-1/2" | **08148** | 8.5 | |
| | 6" | **08150** | 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 |
|---|---|---|---|---|
| 1/8" | 3/8" | **01002** | 0.5 | 100 |
| | 1/2" | **01004** | 0.5 | |
| | 5/8" | **01006** | 0.5 | |
| | 3/4" | **01008** | 0.5 | |
| | 7/8" | **01010** | 0.5 | |
| | 1" | **01012** | 0.5 | |
| | 1-1/4" | **01014** | 0.5 | |
| | 1-1/2" | **01016** | 0.5 | |
| | 2" | **01020** | 1.0 | |
| 3/16" | 1/2" | **01022** | 0.5 | 100 |
| | 5/8" | **01024** | 0.5 | |
| | 3/4" | **01026** | 0.5 | |
| | 7/8" | **01028** | 0.5 | |
| | 1" | **01030** | 1.0 | |
| | 1-1/4" | **01032** | 1.5 | |
| | 1-1/2" | **01034** | 1.5 | |
| | 1-3/4" | **01036** | 1.5 | |
| | 2" | **01038** | 1.5 | |
| 1/4" | 1/2" | **01040** | 1.0 | 100 |
| | 5/8" | **01042** | 1.0 | |
| | 3/4" | **01044** | 1.0 | |
| | 7/8" | **01046** | 1.5 | |
| | 1" | **01048** | 1.5 | |
| | 1-1/4" | **01050** | 2.0 | |
| | 1-1/2" | **01052** | 2.0 | |
| | 1-3/4" | **01054** | 2.5 | |
| | 2" | **01056** | 3.0 | |
| | 2-1/4" | **01058** | 3.3 | |
| | 2-1/2" | **01060** | 3.5 | |
| 5/16" | 1/2" | **01062** | 1.5 | 100 |
| | 5/8" | **01064** | 1.5 | |
| | 3/4" | **01066** | 2.0 | |
| | 7/8" | **01068** | 2.0 | |
| | 1" | **01070** | 2.0 | |
| | 1-1/4" | **01072** | 3.0 | |
| | 1-1/2" | **01074** | 3.5 | |
| | 1-3/4" | **01076** | 4.0 | |
| | 2" | **01078** | 4.5 | |
| | 2-1/4" | **01080** | 5.0 | |
| | 2-1/2" | **01082** | 5.5 | |
| | 3" | **01084** | 6.5 | |
| 3/8" | 1/2" | **01086** | 2.0 | 100 |
| | 5/8" | **01088** | 2.0 | |
| | 3/4" | **01090** | 2.5 | |
| | 7/8" | **01092** | 2.5 | |
| | 1" | **01094** | 3.0 | |
| | 1-1/4" | **01096** | 4.0 | |
| | 1-1/2" | **01098** | 5.0 | |
| | 1-3/4" | **01100** | 2.2 | 40 |
| | 2" | **01102** | 2.6 | |
| | 2-1/4" | **01104** | 2.8 | |
| | 2-1/2" | **01106** | 3.2 | |
| | 3" | **01108** | 3.8 | |

| Diameter | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|
| 7/16" | 1" | **01110** | 1.8 | 40 |
| | 1-1/4" | **01112** | 2.2 | |
| | 1-1/2" | **01114** | 2.6 | |
| | 2" | **01118** | 3.6 | |
| | 2-1/2" | **01120** | 4.4 | |
| | 3" | **01122** | 5.2 | |
| 1/2" | 3/4" | **01124** | 1.8 | 40 |
| | 1" | **01126** | 2.4 | |
| | 1-1/4" | **01128** | 2.8 | |
| | 1-1/2" | **01130** | 3.4 | |
| | 1-3/4" | **01132** | 4.0 | |
| | 2" | **01134** | 4.6 | |
| | 2-1/4" | **01136** | 2.6 | 20 |
| | 2-1/2" | **01138** | 2.8 | |
| | 3" | **01140** | 3.4 | |
| | 3-1/2" | **01142** | 4.0 | |
| | 4" | **01144** | 4.6 | |
| 5/8" | 1" | **01146** | 0.9 | 10 |
| | 1-1/4" | **01148** | 1.2 | |
| | 1-1/2" | **01150** | 1.4 | |
| | 1-3/4" | **01152** | 1.6 | |
| | 2" | **01154** | 1.8 | |
| | 2-1/2" | **01158** | 2.3 | |
| | 3" | **01160** | 2.7 | |
| | 3-1/2" | **01162** | 3.2 | |
| | 4" | **01164** | 3.6 | |
| 3/4" | 2" | **01170** | 2.5 | 10 |
| | 2-1/2" | **01172** | 3.2 | |
| | 3" | **01174** | 3.8 | |
| | 3-1/2" | **01176** | 4.4 | |
| | 4" | **01178** | 5.1 | |
| 7/8" | 2" | **01186** | 3.5 | 10 |
| | 2-1/2" | **01188** | 4.4 | |
| | 3" | **01190** | 5.3 | |
| | 4" | **01194** | 6.9 | |
| 1" | 2" | **01202** | 4.5 | 10 |
| | 2-1/2" | **01204** | 5.7 | |
| | 3" | **01206** | 6.8 | |
| | 4" | **01210** | 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 |
|---|---|---|---|---|
| 1/8" | 1/2" | 03004 | 5.0 | 100 |
| | 3/4" | 03008 | 0.5 | |
| | 1" | 03010 | 0.5 | |
| 3/16" | 1/2" | 03016 | 0.5 | 100 |
| | 1" | 03022 | 1.0 | |
| | 1-1/2" | 03026 | 1.5 | |
| 1/4" | 1/2" | 03030 | 1.0 | 100 |
| | 3/4" | 03034 | 1.0 | |
| | 1" | 03036 | 1.5 | |
| | 1-1/4" | 03038 | 2.0 | |
| | 1-1/2" | 03040 | 2.0 | |
| | 2" | 03042 | 3.0 | |
| 5/16" | 1" | 03046 | 2.0 | 100 |
| | 1-1/2" | 03050 | 3.5 | |
| 3/8" | 1" | 03058 | 3.0 | 100 |
| | 1-1/4" | 03060 | 4.0 | |
| | 1-1/2" | 03062 | 5.0 | |

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

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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 |
|---|---|---|---|---|
| 5/16" | 3/4" | 04022 | 0.3 | 20 |
| | 1" | 04026 | 0.4 | |
| | 1-1/4" | 04028 | 0.6 | |
| | 1-1/2" | 04030 | 0.7 | |
| | 2" | 04034 | 0.9 | |
| | 2-1/2" | 04038 | 1.4 | |
| 3/8" | 1" | 04042 | 0.6 | 20 |
| | 1-1/4" | 04044 | 0.8 | |
| | 1-1/2" | 04046 | 0.9 | |
| | 1-3/4" | 04048 | 1.1 | |
| | 2" | 04050 | 1.3 | |
| | 2-1/4" | 04052 | 3.0 | |
| | 2-1/2" | 04054 | 1.6 | |
| | 3" | 04056 | 1.9 | |
| 1/2" | 1" | 04058 | 1.1 | 20 |
| | 1-1/4" | 04060 | 1.4 | |
| | 1-1/2" | 04062 | 1.7 | |
| | 1-3/4" | 04064 | 2.0 | |
| | 2" | 04066 | 2.2 | |
| | 2-1/4" | 04068 | 2.6 | |
| | 2-1/2" | 04070 | 2.8 | |
| | 3" | 04072 | 3.4 | |
| | 3-1/2" | 04074 | 4.0 | |

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

# Allenuts®

**COARSE AND FINE THREADS**

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

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

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

# Stainless Allenuts®

**COARSE AND FINE THREADS**

MATERIAL: AUSTENITIC STAINLESS STEEL • THREADS: UNC/UNF

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

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

# Socket Pressure Plugs

**DRYSEAL SOCKET PRESSURE PLUGS**

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

| Pressure Plug Size | Length of Plug Nom. | NPTF- 3/4" Threads Per Inch | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| 1/16" | 5/16" | 27 | **10002** | 0.5 | 100 |
| 1/8" | | | **10004** | 0.8 | |
| 1/4" | 7/16" | 18 | **10006** | 2.0 | |
| 3/8" | 1/2" | | **10008** | 4.0 | |
| 1/2" | 9/16" | 14 | **10010** | 2.9 | 50 |
| 3/4" | 5/8" | | **10012** | 5.1 | |
| 1" | 3/4" | 11-1/2 | **10014** | 5.3 | 25 |
| 1-1/4" | 13/16" | | **10016** | 9.5 | |

**STAINLESS STEEL SOCKET PRESSURE PLUGS**

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

| Pressure Plug Size | Length of Plug Nom. | NPTF- 3/4" Threads Per Inch | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| 1/8" | 5/16" | 27 | **13002** | 0.8 | 100 |
| 1/4" | 7/16" | 18 | **13004** | 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 | **12002** | 0.5 | 100 |
| 1/8" | | | **12004** | 0.8 | |
| 1/4" | 13/32" | 18 | **12006** | 2.0 | |
| 3/8" | | | **12008** | 4.0 | |
| 1/2" | 17/32" | 14 | **12010** | 2.9 | 50 |
| 3/4" | | | **12012** | 5.1 | |

### 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 | **11100** | 0.5 | 100 |
| 1/8" | | 27 | **11102** | 0.8 | |
| 1/4" | 13/32" | 18 | **11104** | 2.0 | |
| 3/8" | | 18 | **11106** | 4.0 | |
| 1/2" | 17/32" | 14 | **11108** | 2.9 | 50 |
| 3/4" | | 14 | **11110** | 5.1 | |

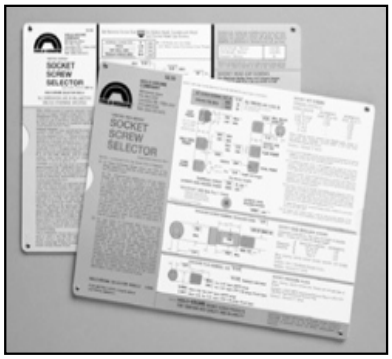
# Socket Jam Screws

HEAT TREATED ALLOY STEEL • UNIFIED 3A THREAD FIT

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

| Diameter | Length Overall | Product Number Code | | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|---|
| | | UNC | UNF | | |
| **5/8"** (.625") 11 UNC 18 UNF | 5/16" | 06022 | 07022 | 1.50 | 100 |
| **3/4"** (.750") 10 UNC 16 UNF | 3/8" | 06024 | 07024 | 1.50 | 50 |
| **7/8"** (.875") 9 UNC 14 UNF | 7/16" | 06026 | 07026 | 0.85 | 25 |
| **1"** (1.00") 8 UNC 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 | |
| **HK12111** | 7/32 Hex L-key LA | 25 |
| **HK12112** | 1/4 Hex L-key LA | |
| **HK12113** | 5/16 Hex L-key LA | |
| **HK12114** | 3/8 Hex L-key LA | |
| **HK12115** | 7/16 Hex L-key LA | 10 |
| **HK12116** | 1/2 Hex L-key LA | |
| **HK12117** | 9/16 Hex L-key LA | 5 |
| **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 | |
| **HK12168** | 6mm Hex L-key LA | 25 |
| **HK12172** | 8mm Hex L-key LA | |
| **HK12176** | 10mm Hex L-key LA | |
| **HK12178** | 11mm Hex L-key LA | |
| **HK12180** | 12mm Hex L-key LA | 10 |
| **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 | |
| **HK12209** | 5/32 Hex L-key SA | |
| **HK12210** | 3/16 Hex L-key SA | |
| **HK12211** | 7/32 Hex L-key SA | 25 |
| **HK12212** | 1/4 Hex L-key SA | |
| **HK12213** | 5/16 Hex L-key SA | |
| **HK12214** | 3/8 Hex L-key SA | |
| **HK12215** | 7/16 Hex L-key SA | |
| **HK12216** | 1/2 Hex L-key SA | |
| **HK12217** | 9/16 Hex L-key SA | 10 |
| **HK12218** | 5/8 Hex L-key SA | |
| **HK12219** | 3/4 Hex L-key SA | 5 |
| **HK12220** | 7/8 Hex L-key SA | |
| **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 | |
| **HK12268** | 6mm Hex L-key SA | 25 |
| **HK12272** | 8mm Hex L-key SA | |
| **HK12276** | 10mm Hex L-key SA | |
| **HK12278** | 11mm Hex L-key SA | |
| **HK12280** | 12mm Hex L-key SA | |
| **HK12284** | 14mm Hex L-key SA | 10 |
| **HK12286** | 17mm Hex L-key SA | |
| **HK12288** | 19mm Hex L-key SA | 5 |

## 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

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

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

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

| Diameter | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|---|---|---|---|---|
| **M14** Pitch 2.00 12mm Key | 20MM | **76820** | 2.9 | 25 |
| | 25MM | **76822** | 3.2 | |
| | 30MM | **76824** | 3.5 | |
| | 35MM | **76826** | 3.7 | |
| | 40MM | **76830** | 4.0 | |
| | 45MM | **76832** | 4.3 | |
| | 50MM | **76834** | 4.5 | |
| | 55MM | **76836** | 4.8 | |
| | 60MM | **76838** | 5.3 | |
| | 65MM | **76840** | 5.6 | |
| | 70MM | **76842** | 6.0 | |
| | 75MM | **76844** | 6.3 | |
| | 80MM | **76846** | 6.7 | |
| | 85MM | **76848** | 70 | |
| | 90MM | **76850** | 7.3 | |
| | 100MM | **76852** | 8.0 | |
| | 110MM | **76854** | 3.5 | 10 |
| | 120MM | **76856** | 3.8 | |
| **M16** Pitch 2.00 14mm Key | 25 | **76423** | 4.2 | 25 |
| | 30 | **76424** | 4.2 | |
| | 35 | **76428** | 4.8 | |
| | 40 | **76432** | 5.0 | |
| | 45 | **76436** | 5.3 | |
| | 50 | **76440** | 5.8 | |
| | 55 | **76444** | 6.2 | |
| | 60 | **76448** | 6.7 | |
| | 65 | **76452** | 7.1 | |
| | 70 | **76456** | 7.5 | |
| | 75 | **76460** | 8.0 | |
| | 80 | **76464** | 8.5 | |
| | 90 | **76468** | 9.3 | |
| | 100 | **76472** | 4.0 | 10 |
| | 110 | **76476** | 4.4 | |
| | 120 | **76480** | 4.7 | |
| | 130 | **76478** | 5.1 | |
| | 140 | **76479** | 5.5 | |
| | 150 | **76481** | 5.8 | |
| | 160 | **76482** | 6.0 | |
| | 180 | **76483** | 6.2 | |
| | 200 | **760004840** | 7.7 | |
| | 220 | **760004848** | 8.4 | |
| | 240 | **760004856** | 9.1 | |
| | 260 | **760004864** | 9.8 | |
| | 280 | **760004868** | 10.5 | |
| | 300 | **760004872** | 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 |
|---|---|---|---|---|
| **M20** Pitch 2.50 17mm Key | 30 | **76800** | 16.0 | 25 |
| | 35 | **76804** | 3.2 | 10 |
| | 40 | **76484** | 3.2 | |
| | 45 | **76488** | 3.5 | |
| | 50 | **76492** | 3.8 | |
| | 55 | **76496** | 4.0 | |
| | 60 | **76500** | 4.3 | |
| | 65 | **76504** | 4.5 | |
| | 70 | **76508** | 4.8 | |
| | 75 | **76512** | 5.1 | |
| | 80 | **76516** | 5.4 | |
| | 90 | **76520** | 5.9 | |
| | 100 | **76524** | 6.4 | |
| | 110 | **76528** | 7.0 | |
| | 120 | **76532** | 7.6 | |
| | 130 | **76536** | 8.1 | |
| | 140 | **76537** | 8.7 | |
| | 150 | **76540** | 9.2 | |
| | 160 | **76541** | 9.7 | |
| | 180 | **76542** | 9.9 | |
| | 200 | **76543** | 12.0 | |
| | 220 | **760005432** | 1.5 | 1 |
| | 240 | **760005434** | 1.6 | |
| | 260 | **760005436** | 1.7 | |
| | 280 | **760005438** | 1.8 | |
| | 300 | **760005440** | 1.9 | |
| **M24** Pitch 3.00 19mm Key | 40 | **76808** | 15.5 | 25 |
| | 50 | **76544** | 6.9 | 10 |
| | 55 | **76810** | 7.3 | |
| | 60 | **76548** | 7.6 | |
| | 65 | **76552** | 7.9 | |
| | 70 | **76556** | 8.2 | |
| | 75 | **760005600** | 8.5 | |
| | 80 | **76560** | 8.9 | |
| | 90 | **76564** | 9.6 | |
| | 100 | **76568** | 10.7 | |
| | 110 | **76569** | 11.5 | |
| | 120 | **76572** | 12.3 | |
| | 130 | **76573** | 13 | |
| | 140 | **76574** | 13.8 | |
| | 150 | **76576** | 7.3 | 5 |
| | 160 | **76577** | 7.7 | |
| | 180 | **76578** | 8.5 | |
| | 200 | **76579** | 9.3 | |
| | 220 | **76580** | 10.1 | |
| | 240 | **76581** | 2.3 | 1 |
| | 260 | **76583** | 2.4 | |
| | 280 | **760005808** | 2.6 | |
| | 300 | **760005809** | 2.8 | |

| Diameter | Length Under Head | Product Number Code | Approx. Wt. (lbs.) Per Box | Qty. Per Box |
|---|---|---|---|---|
| **M30** Pitch 3.5 22mm Key | 50 | **760005825** | 1.3 | 1 |
| | 60 | **760005826** | 1.4 | |
| | 70 | **760005828** | 1.5 | |
| | 80 | **76584** | 1.6 | |
| | 90 | **76585** | 1.7 | |
| | 100 | **76586** | 1.8 | |
| | 110 | **76587** | 1.9 | |
| | 120 | **76592** | 2.1 | |
| | 130 | **76588** | 2.2 | |
| | 140 | **76593** | 2.3 | |
| | 150 | **76589** | 2.5 | |
| | 160 | **76594** | 2.6 | |
| | 180 | **76590** | 2.9 | |
| | 200 | **76591** | 3.1 | |
| | 220 | **76595** | 3.4 | |
| | 240 | **76596** | 3.6 | |
| | 260 | **760005970** | 3.9 | |
| | 280 | **760005975** | 4.1 | |
| | 300 | **76598** | 4.3 | |
| | 320 | **760005990** | 4.6 | |
| | 340 | **760005992** | 4.8 | |
| | 360 | **760005994** | 5.1 | |
| | 380 | **760005996** | 5.3 | |
| | 420 | **760005998** | 5.8 | |
| **M36** Pitch 4 27mm Key | 80 | **76900** | 2.6 | 1 |
| | 90 | **76902** | 2.7 | |
| | 100 | **76906** | 2.8 | |
| | 110 | **76910** | 3.0 | |
| | 120 | **76914** | 3.3 | |
| | 130 | **76918** | 3.4 | |
| | 140 | **76922** | 3.6 | |
| | 150 | **76926** | 3.8 | |
| | 160 | **76930** | 4.0 | |
| | 170 | **76934** | 4.2 | |
| | 180 | **76938** | 4.4 | |
| | 200 | **76942** | 4.7 | |
| | 220 | **760009640** | 5.0 | |
| | 240 | **76946** | 5.4 | |
| | 260 | **76950** | 5.8 | |
| | 280 | **760009646** | 6.1 | |
| | 300 | **760009650** | 6.4 | |
| | 340 | **760009660** | 7.1 | |
| | 360 | **760009700** | 7.4 | |
| | 380 | **760009740** | 7.8 | |
| | 400 | **760009780** | 8.1 | |
| | 420 | **760009820** | 8.5 | |
| | 440 | **760009860** | 8.9 | |
| | 460 | **760009880** | 9.3 | |
| | 480 | **760009940** | 9.5 | |
| | 520 | **760009980** | 10.3 | |
| | 540 | **760009984** | 10.6 | |
| | 560 | **760009985** | 10.9 | |
| | 580 | **760009988** | 11.2 | |
| | 600 | **760009990** | 11.6 | |
| | 640 | **760009994** | 12.3 | |
| | 650 | **760009995** | 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 |
|---|---|---|---|---|
| **M4** Pitch 0.70 3 mm Key Head Height 2.8 | 8 | **69304** | 0.4 | 100 |
| | 10 | **69308** | 0.4 | |
| | 12 | **69312** | 0.4 | |
| | 15 | **69316** | 0.5 | |
| | 16 | **69320** | 0.5 | |
| | 18 | **69329** | 0.5 | |
| | 20 | **69328** | 0.6 | |
| | 25 | **69332** | 0.7 | |
| | 30 | **69336** | 0.7 | |
| **M5** Pitch 0.80 4 mm Key Head Height 3.5 | 8 | **69350** | 0.7 | 100 |
| | 10 | **69354** | 0.7 | |
| | 12 | **69358** | 0.8 | |
| | 16 | **69370** | 0.9 | |
| | 20 | **69374** | 0.9 | |
| | 25 | **69378** | 1.1 | |
| | 30 | **69382** | 1.2 | |
| **M6** Pitch 1.00 5 mm Key Head Height 4.0 | 8 | **69390** | 0.9 | 100 |
| | 10 | **69394** | 0.9 | |
| | 12 | **69398** | 1.0 | |
| | 14 | **69402** | 1.1 | |
| | 15 | **69406** | 1.1 | |
| | 16 | **69410** | 1.2 | |
| | 20 | **69414** | 1.3 | |
| | 25 | **69418** | 1.6 | |
| | 30 | **69422** | 1.7 | |
| | 35 | **69426** | 2.1 | |
| | 40 | **69430** | 2.3 | |
| | 45 | **69434** | 2.5 | |
| | 50 | **69438** | 2.8 | |
| **M8** Pitch 1.25 6 mm Key Head Height 5.0 | 12 | **69450** | 2.1 | 100 |
| | 15 | **69455** | 2.2 | |
| | 16 | **69458** | 2.3 | |
| | 20 | **69462** | 2.6 | |
| | 25 | **69466** | 3.0 | |
| | 30 | **69472** | 3.3 | |

| Diameter | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---|---|---|---|---|
| **M8** (Cont.) | 35 | **69476** | 3.7 | 100 |
| | 40 | **69480** | 4.2 | |
| | 45 | **69484** | 2.5 | 50 |
| | 50 | **69488** | 2.6 | |
| | 60 | **69492** | 3.0 | |
| **M10** Pitch 1.50 8 mm Key Head Height 6.5 | 15 | **69501** | 4.0 | 100 |
| | 16 | **69504** | 4.0 | |
| | 20 | **69508** | 4.3 | |
| | 25 | **69512** | 4.9 | |
| | 30 | **69516** | 5.5 | |
| | 35 | **69520** | 3.1 | 50 |
| | 40 | **69524** | 3.3 | |
| | 45 | **69528** | 3.7 | |
| | 50 | **69532** | 4.1 | |
| | 55 | **69536** | 4.4 | |
| | 60 | **69540** | 4.7 | |
| | 70 | **69544** | 5.4 | |
| **M12** Pitch 1.75 10 mm Key Head Height 8.0 | 20 | **69550** | 3.2 | 50 |
| | 25 | **69554** | 3.7 | |
| | 30 | **69558** | 4.1 | |
| | 35 | **69562** | 4.4 | |
| | 40 | **69566** | 2.4 | 25 |
| | 45 | **69570** | 2.6 | |
| | 50 | **69574** | 2.9 | |
| | 60 | **69578** | 3.4 | |
| | 80 | **69582** | 4.5 | |
| | 100 | **69586** | 5.5 | |
| **M16** Pitch 2.00 12 mm Key Head Height 10.0 | 30 | **69590** | 1.7 | 10 |
| | 35 | **69594** | 1.9 | |
| | 40 | **69598** | 2.0 | |
| | 45 | **69602** | 2.1 | |
| | 50 | **69606** | 2.3 | |
| | 60 | **69610** | 2.6 | |
| | 70 | **69614** | 3.0 | |
| | 90 | **69618** | 3.7 | |
| | 100 | **69622** | 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 |
|---|---|---|---|---|
| **M3** Pitch 0.50 2.5mm Key | 5 | **770305005** | 0.2 | 100 |
| | 6 | **77004** | 0.1 | |
| | 8 | **77008** | 0.2 | |
| | 10 | **77012** | 0.2 | |
| | 12 | **77016** | 0.2 | |
| | 16 | **77020** | 0.2 | |
| | 20 | **770305020** | 0.3 | |
| | 25 | **770305025** | 0.4 | |
| | 30 | **770305030** | 0.4 | |
| | 35 | **770305035** | 0.5 | |

| Diameter | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---|---|---|---|---|
| **M4** Pitch 0.70 3mm Key | 5 | **770407005** | 0.3 | 100 |
| | 6 | **770407006** | 0.3 | |
| | 8 | **77044** | 0.3 | |
| | 10 | **77048** | 0.4 | |
| | 12 | **77052** | 0.4 | |
| | 14 | **770407014** | 0.5 | |
| | 16 | **77056** | 0.5 | |
| | 20 | **77060** | 0.6 | |
| | 25 | **77064** | 0.7 | |
| | 30 | **77068** | 0.8 | |
| | 32 | **77070** | 0.9 | |
| | 35 | **770407035** | 0.9 | |
| | 40 | **770407040** | 1.0 | |
| | 45 | **770407045** | 1.1 | |
| | 50 | **770407050** | 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 |
|---|---|---|---|---|
| **M5** Pitch 0.80 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 |
|---|---|---|---|---|
| **M6** Pitch 1.00 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 |
|---|---|---|---|---|
| **M3** Pitch 0.50 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 | |
| | 30 | **87022** | 0.3 | |
| **M4** Pitch 0.70 2.55mm Key | 8 | **87024** | 0.2 | 100 |
| | 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 | |
| | 35 | **87049** | 0.7 | |
| | 40 | **87050** | 0.9 | |
| **M5** Pitch 0.80 3mm Key | 8 | **87052** | 0.3 | 100 |
| | 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 |
|---|---|---|---|---|
| **M5** (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 | |
| **M6** Pitch 1.00 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 | |
| | 60 | **87115** | 2.8 | |
| **M8** Pitch 1.25 5mm Key | 15 | **87122** | 1.5 | 100 |
| | 16 | **87124** | 1.6 | |
| | 20 | **87128** | 1.9 | |
| | 25 | **87132** | 2.2 | |
| | 30 | **87136** | 2.5 | |
| | 35 | **87140** | 2.9 | |
| | 40 | **87144** | 3.2 | |

# 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 |
|---|---|---|---|---|
| **M8** (Cont.) | 45 | **87143** | 3.9 | 100 |
| | 50 | **87145** | 4.4 | |
| | 55 | **87148** | 4.8 | |
| | 60 | **87146** | 5.5 | |
| | 70 | **87147** | 6.6 | |
| **M10** Pitch 1.50 6mm Key | 15 | **87151** | 2.5 | 100 |
| | 16 | **87149** | 2.6 | |
| | 20 | **87152** | 3.1 | |
| | 25 | **87156** | 3.6 | |
| | 30 | **87160** | 3.1 | |
| | 35 | **87164** | 4.6 | |
| | 40 | **87168** | 5.2 | |
| | 45 | **87172** | 6.4 | |
| | 50 | **87176** | 7.0 | |
| | 55 | **87173** | 7.6 | |
| | 60 | **87177** | 8.0 | |
| | 70 | **87178** | 4.6 | 50 |
| | 80 | **87174** | 5.5 | |
| | 90 | **87175** | 6.0 | |
| | 100 | **87179** | 6.9 | |

| Diameter | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---|---|---|---|---|
| **M12** Pitch 1.75 8mm Key | 20 | **87180** | 4.6 | 100 |
| | 25 | **87184** | 5.4 | |
| | 30 | **87188** | 6.2 | |
| | 35 | **87192** | 7.0 | |
| | 40 | **87196** | 7.8 | |
| | 45 | **87200** | 4.7 | 50 |
| | 50 | **87204** | 5.0 | |
| | 55 | **87205** | 5.4 | |
| | 60 | **87206** | 5.8 | |
| | 70 | **87198** | 7.0 | |
| | 80 | **87201** | 8.0 | |
| | 90 | **87202** | 9.0 | |
| | 100 | **87203** | 10.0 | |
| **M16** Pitch 2.00 10mm Key | 30 | **87207** | 5.6 | 50 |
| | 35 | **87208** | 6.4 | |
| | 40 | **87212** | 3.5 | 25 |
| | 45 | **87213** | 4.2 | |
| | 50 | **87216** | 4.3 | |
| | 55 | **87218** | 4.9 | |
| | 60 | **87220** | 5.0 | |
| | 70 | **87221** | 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 |
|---|---|---|---|---|
| **M3** Pitch 0.50 2mm Key | 6 | **86002** | 0.1 | 100 |
| | 8 | **86001** | 0.1 | |
| | 10 | **86003** | 0.1 | |
| | 12 | **86005** | 0.2 | |
| | 14 | **86004** | 0.2 | |
| | 16 | **86006** | 0.2 | |
| **M4** Pitch 0.70 2.55mm Key | 8 | **86007** | 0.3 | 100 |
| | 10 | **86009** | 0.3 | |
| | 12 | **86011** | 0.3 | |
| | 15 | **86012** | 0.4 | |
| | 16 | **86013** | 0.4 | |
| **M5** Pitch 0.80 3mm Key | 10 | **86015** | 0.5 | 100 |
| | 12 | **86017** | 0.5 | |
| | 15 | **86018** | 0.6 | |
| | 16 | **86019** | 0.6 | |
| | 20 | **86021** | 0.8 | |
| | 25 | **86023** | 0.9 | |
| | 30 | **86025** | 1.0 | |
| **M6** Pitch 1.00 4mm Key | 10 | **86027** | 0.7 | 100 |
| | 12 | **86029** | 0.7 | |
| | 15 | **86030** | 0.8 | |
| | 16 | **86031** | 0.9 | |
| | 18 | **86032** | 1.0 | |
| | 20 | **86033** | 1.1 | |
| | 22 | **86034** | 1.2 | |
| | 25 | **86035** | 1.2 | |
| | 30 | **86037** | 1.6 | |

| Diameter | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---|---|---|---|---|
| **M8** Pitch 1.25 5mm Key | 10 | **86039** | 1.0 | 100 |
| | 12 | **86041** | 1.2 | |
| | 15 | **86042** | 1.5 | |
| | 16 | **86043** | 1.5 | |
| | 18 | **86044** | 1.7 | |
| | 20 | **86045** | 1.9 | |
| | 25 | **86047** | 2.3 | |
| | 30 | **86049** | 2.8 | |
| | 35 | **86050** | 3.2 | |
| | 40 | **86051** | 3.6 | |
| **M10** Pitch 1.50 6mm Key | 15 | **86052** | 3.0 | 100 |
| | 16 | **86053** | 3.2 | |
| | 20 | **86055** | 3.7 | |
| | 25 | **86057** | 4.2 | |
| | 30 | **86059** | 4.3 | |
| | 35 | **86060** | 4.7 | |
| | 40 | **86061** | 5.0 | |
| **M12** Pitch 1.75 8mm Key | 16 | **86062** | 4.4 | 100 |
| | 20 | **86063** | 5.1 | |
| | 25 | **86065** | 5.9 | |
| | 30 | **86070** | 3.3 | 50 |
| | 35 | **86075** | 3.7 | |
| | 40 | **86080** | 4.1 | |
| | 50 | **86085** | 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 |
|---|---|---|---|---|---|
| **6mm** 3mm KEY (6.000) (5.982) | 10 | M5 | **09002** | 0.4 | 25 |
| | 12 | | **09001** | 0.4 | |
| | 15 | | **09104** | 0.41 | |
| | 16 | | **09003** | 0.4 | |
| | 20 | | **09005** | 0.5 | |
| | 25 | | **09110** | 0.5 | |
| | 30 | | **09114** | 0.59 | |
| | 40 | | **09118** | 0.71 | |
| **8mm** 4mm KEY (8.000) (7.978) | 12 | M6 | **09006** | 0.7 | 25 |
| | 15 | | **09124** | 0.76 | |
| | 16 | | **09007** | 0.8 | |
| | 20 | | **09009** | 0.9 | |
| | 25 | | **09011** | 1.0 | |
| | 30 | | **09013** | 1.1 | |
| | 40 | | **09015** | 1.3 | |
| | 50 | | **09132** | 1.52 | |
| **10mm** 5mm KEY (10.000) (9.978) | 15 | M8 | **09144** | 1.4 | 25 |
| | 16 | | **09016** | 1.4 | |
| | 20 | | **09017** | 1.5 | |
| | 25 | | **09019** | 1.7 | |
| | 30 | | **09021** | 1.8 | |
| | 40 | | **09023** | 2.2 | |
| | 50 | | **09025** | 2.6 | |
| | 60 | | **09027** | 2.9 | |
| | 70 | | **09029** | 3.2 | |
| | 80 | | **09031** | 3.5 | |

| Diameter | Shoulder Length | Thread Diameter | Product Number Code | Approx. Weight per Box (lbs.) | Qty. Per Box |
|---|---|---|---|---|---|
| **12mm** 6 mm KEY (12.000) (11.973) | 15 | M10 | **09156** | 2.0 | 25 |
| | 16 | | **09032** | 2.1 | |
| | 20 | | **09033** | 2.3 | |
| | 25 | | **09035** | 2.5 | |
| | 30 | | **09037** | 2.8 | |
| | 40 | | **09039** | 3.3 | |
| | 50 | | **09041** | 3.8 | |
| | 60 | | **09043** | 4.2 | |
| | 70 | | **09045** | 4.7 | |
| | 80 | | **09046** | 5.2 | |
| | 90 | | **09160** | 5.7 | |
| | 100 | | **09164** | 6.2 | |
| **16mm** 8mm KEY (16.000) (15.973) | 30 | M12 | **09047** | 5.2 | 25 |
| | 40 | | **09048** | 6.3 | |
| | 50 | | **09049** | 6.9 | |
| | 60 | | **09050** | 8.0 | |
| | 70 | | **09051** | 8.7 | |
| | 80 | | **09052** | 9.8 | |
| | 90 | | **09053** | 4.3 | 10 |
| | 100 | | **09055** | 4.5 | |
| | 120 | | **09054** | 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 |
|---|---|---|---|---|
| **3mm** | 8 | **02001** | 0.1 | 100 |
| | 10 | **02003** | 0.1 | |
| | 12 | **02005** | 0.2 | |
| | 16 | **02007** | 0.2 | |
| | 20 | **02009** | 0.3 | |
| | 25 | **02011** | 0.3 | |
| | 30 | **02013** | 0.4 | |
| **4mm** | 10 | **02015** | 0.2 | 100 |
| | 12 | **02017** | 0.3 | |
| | 16 | **02019** | 0.4 | |
| | 20 | **02021** | 0.5 | |
| | 25 | **02023** | 0.6 | |
| | 30 | **02025** | 0.7 | |
| | 35 | **02027** | 0.8 | |
| **5mm** | 12 | **02029** | 0.5 | 100 |
| | 16 | **02031** | 0.6 | |
| | 20 | **02033** | 0.7 | |
| | 25 | **02035** | 0.9 | |
| | 30 | **02037** | 1.1 | |
| | 35 | **02039** | 1.3 | |
| | 40 | **02041** | 1.4 | |

| Diameter | Length Overall | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|
| **5mm** (Cont.) | 45 | **02043** | 1.6 | 100 |
| | 50 | **02045** | 1.8 | |
| **6mm** | 16 | **02047** | 0.8 | 100 |
| | 20 | **02049** | 1.0 | |
| | 25 | **02051** | 0.8 | |
| | 30 | **02053** | 1.2 | |
| | 35 | **02055** | 1.7 | |
| | 40 | **02057** | 1.9 | |
| | 45 | **02059** | 2.2 | |
| | 50 | **02061** | 2.4 | |
| | 60 | **02063** | 2.9 | |
| **8mm** | 16 | **02065** | 1.4 | 100 |
| | 20 | **02067** | 1.7 | |
| | 25 | **02069** | 2.2 | |
| | 30 | **02071** | 2.4 | |
| | 35 | **02073** | 2.9 | |
| | 40 | **02075** | 3.3 | |
| | 45 | **02077** | 4.0 | |
| | 50 | **02079** | 4.2 | |
| | 60 | **02081** | 5.4 | |
| | 70 | **02083** | 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 | |
| | 90 | **02105** | 4.8 | |
| 12mm | 25 | **02107** | 2.1 | 40 |
| | 30 | **02109** | 2.4 | |
| | 35 | **02111** | 2.6 | |
| | 40 | **02113** | 3.1 | |
| | 45 | **02115** | 3.5 | |
| | 50 | **02117** | 3.9 | |
| | 60 | **02119** | 2.3 | 20 |
| | 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 | | |
| **#4** (.112") UNRC 40 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 | |
| **#6** (.138") UNRC 32 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 | |
| **#8** (.164") UNRC 32 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 | |
| **#10** (.190") 5/32" Key UNRC 24 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 | |
| | 2 | - | **ZP1C73052** | 1.4 | |
| **1/4"** (.250") UNRC 20 3/16" Key | 1/4" | **ZP1C86526** | - | 1.9 | 100 |
| | 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 | | |
| **5/16"** (.312") UNRC 18 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 | |
| **3/8"** (.375") UNRC 16 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 | |
| **1/2"** (.500") UNRC 13 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 | |
| **5/8"** (.625") UNRC 11 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** UNRC 56 | 3/16" | PATCH72002 | 0.1 | 100 |
| | 1/4" | PATCH72004 | 0.1 | |
| | 3/8" | PATCH72006 | 0.1 | |
| | 1/2" | PATCH72008 | 0.1 | |
| **#4** 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** UNRC 32 | 1/4" | PATCH72038 | 0.2 | 100 |
| | 3/8" | PATCH72040 | 0.3 | |
| | 1/2" | PATCH72042 | 0.3 | |
| | 3/4" | PATCH72046 | 0.3 | |
| **#8** UNRC 32 | 3/8" | PATCH72054 | 0.4 | 100 |
| | 1/2" | PATCH72056 | 0.4 | |
| | 3/4" | PATCH72060 | 0.5 | |
| | 1" | PATCH72064 | 0.6 | |
| **#10** UNRC 24 | 3/8" | PATCH72070 | 0.5 | 100 |
| | 1/2" | PATCH72072 | 0.6 | |
| | 3/4" | PATCH72076 | 0.7 | |
| | 1 " | PATCH72080 | 0.8 | |
| **1/4"** 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"** 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" | PATCH72144 | 6.5 | |
| **3/8"** 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 | 50 |
| | 2 1/2" | PATCH72170 | 4.2 | |
| **7/16"** UNRC 14 | 1" | PATCH72194 | 6.2 | 100 |
| | 1 1/4" | PATCH72196 | 3.5 | 50 |
| **1/2"** UNRC 13 | 3/4" | PATCH72222 | 4.1 | 50 |
| | 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 | 25 |
| | 3" | PATCH72242 | 4.8 | |
| **5/8"** 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

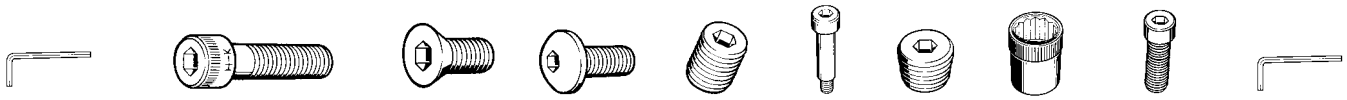
| Diameter | Length Under Head | Product Number Code | Approx. Weight per Box (lbs.) | Qty. in Box |
|---|---|---|---|---|
| **#10** UNRF 32 | 3/8" | PATCH73034 | 0.5 | 100 |
| | 1/2" | PATCH73036 | 0.6 | |
| | 5/8" | PATCH73038 | 0.7 | |
| | 3/4" | PATCH73040 | 0.7 | |
| | 7/8" | PATCH73042 | 0.8 | |
| | 1" | PATCH73044 | 0.9 | |
| | 1 1/4" | PATCH73046 | 1.1 | |
| | 1 1/2" | PATCH73048 | 1.3 | |
| **1/4"** 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"** 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 | |
| **3/8"** UNRF 24 | 1/2" | PATCH73098 | 3.6 | 100 |
| | 3/4" | PATCH73102 | 4.3 | |
| | 1" | PATCH73106 | 4.7 | |
| | 1 1/4" | PATCH73108 | 5.4 | |
| | 1 1/2" | PATCH73110 | 6.0 | |
| **1/2"** UNRF 20 | 1" | PATCH73130 | 4.8 | 50 |
| | 1 1/2" | PATCH73134 | 5.9 | |

**CALL FOR AVAILABILITY**

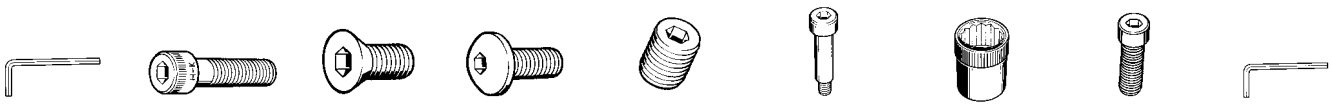
# Dimension Standards

## 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 5/18 | |

| 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 | |

| Set Screw Size | Quantity |
|---|---|
| 1/4-20 X 3/8 | 10 |
| 5/16-18 X 5/16 | |
| 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 | |
| #10-32 X 1/2 | 20 |
| #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 | |
| M5 X 25MM | 10 |
| 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 | |

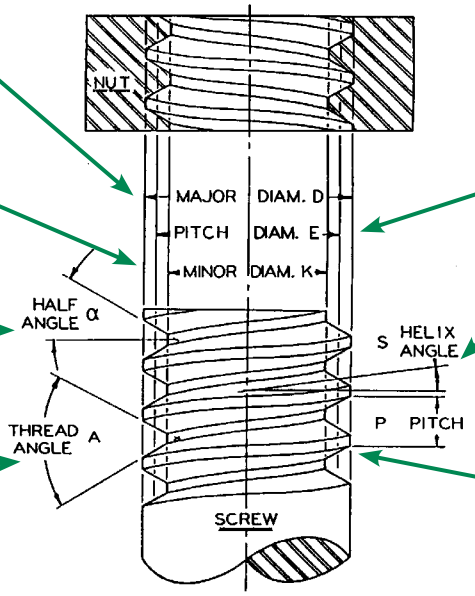
# Definitions of Screw and Thread Terms

**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.

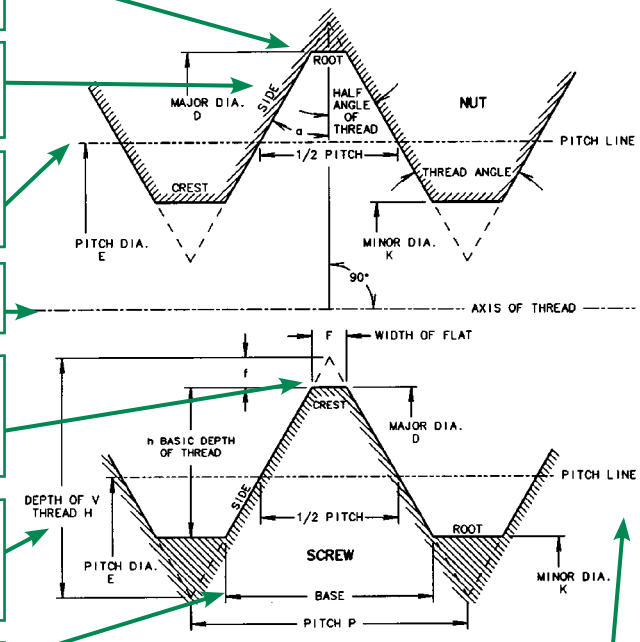
**Pitch Line** - An element of the imaginary cylinder or cone as specified under "Pitch Diameter".

**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.

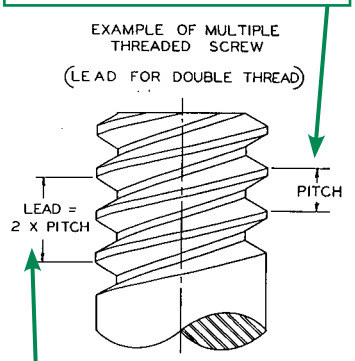
**Base of Thread** - The bottom section of the thread; the greatest section between the two adjacent roots.




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




**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 diamters.

# 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 | | | | |
|---|---|---|---|---|
| Inch | | | Metric | |
| Nominal Size | 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 | | |

| 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 |
| 516 | 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 | | |

| 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 | | |

| 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 Disulphide, 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 ≤ 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 ciritical stress reas, 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

To learn more about HOLO-KROME and the products we provide, visit:

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