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# Terms and Conditions

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Standard Terms: Net 30 days, 1.5% discount on payment received within 10 days. Shipping as requested by buyer. If unspecified, shipping will be at V.I.P. Inc.'s discretion. Buyer will be billed for shipping expense and any additional cost, including insurance and special handling. Delivery will be indicated at time of purchase agreement. Delivery schedule begins upon receipt of purchase order. Delivery date is subject to change upon notification from V.I.P. Inc. Buyer bears responsibility for filing any claims for loss or damage in shipping. V.I.P. Inc. reserves the right to withhold any shipment in whole or part if the account is determined to be delinquent. Prices are subject to change without notice. V.I.P. Inc. reserves the right to cancel any order if the item is unavailable or has been discontinued. V.I.P. Inc. reserves the right to inspect any goods determined by the buyer to be defective in either materials or workmanship. Cancellation of an accepted purchase order is subject to approval by V.I.P. Inc. with terms to protect V.I.P. Inc. from any financial loss. Returns require authorization from V.I.P. Inc. All claims against V.I.P. Inc. must be made within 15 days of shipping date. A 25% restocking fee will be effective after 15 days of shipment.

## Warranty/Guarantee Disclaimer

Volt Industrial Plastics Inc. products are sold with the understanding that the buyer assumes all responsibility and liability for the application and use of V.I.P. Inc. products. Volt Industrial Plastics Inc. warrants all of its products solely against defects in materials and workmanship. This warranty is limited to replacement of V.I.P. Inc. products shown to be defective in materials or workmanship. Under no circumstances will V.I.P. Inc. be liable for any damage, loss or expense arising from the use, misuse or inability to use any V.I.P. Inc. product. This warranty is in lieu of any other warranties whether expressed or implied, including but not limited to any warranty or guarantee of merchantability or fitness for use in any application.

## Shipping

V.I.P. will drop ship upon customer request. V.I.P. ships via FedEx or UPS. FedEx Express 2-Day services provides committed delivery in two business days. Any form of UPS delivery can be used.



## Return Policy

Your satisfaction is our top priority. We want you to be completely satisfied with your purchases. If for any reason you are not completely satisfied with your purchase, we will be happy to exchange the item for you or credit your account.

Returns require a Return Material Authorization (RMA) number from V.I.P. Inc. All claims against V.I.P. Inc. must be made within 15 days of shipping date.

A 25% restocking fee will be effective after 15 days of shipment. The customer must sign the RMA form faxed to them and return it to V.I.P. noting their debit memo number (if one exists) and their debit amount.

In order to receive full credit, returned parts must be received at V.I.P. within 14-21 days depending on customer's location, must be properly sealed in a bag inside a box, and the RMA number must be noted on the box. All returns are subject to inspection upon receipt. V.I.P. reserves the right not to issue a credit against returned parts.

All credits will be applied to customer's account. No checks will be cut for any reason.



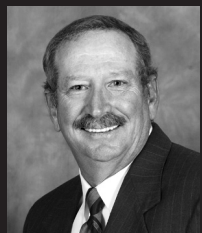
# *V.I.P. – Volt Industrial Plastics*



**Terry Walker**  
Plant Manager



**Jesse Patterson**  
Tool Room Manager



**Ran Branamen**  
Secondary Operations  
Manager



**Wayne Murphy**  
IT Manager



**Ron Schnakenberg**  
CNC Manager



**Chad Avise**  
Assistant Plant Manager



**Karen Benedix**  
Quality Manager



**Linda Williams**  
Office Manager

*"We're proud to be  
able to provide our  
customers with  
Same Day Shipping"*

## ***We Work With You***

Volt Industrial Plastics is a customer-oriented business. Our excellent customer service is one trait that distinguishes us from other plastic fastener manufacturers. Here at V.I.P., every member of the team is committed to complete customer satisfaction, and we back this commitment up with our guarantee.

Volt Industrial Plastics works with their customers to develop and produce the finest quality product for every application. Call today and give us the opportunity to put our experience, technical expertise, and rapid response production capability to work for you. Our friendly, knowledgeable sales staff wants to emphasize that V.I.P. pleases customers with our service and quality.

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***"Volt Industrial Plastics, Inc. Manufacturers of the  
Finest Plastic Fasteners in the World! Period."***

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**Joseph V. Volltrauer**  
CEO/President



**Erwine Volltrauer**  
Executive Vice President



**Heidi Volltrauer**  
Vice President of  
Marketing & Sales

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***Our Web site is updated often, visit us at  
[www.voltplastics.com](http://www.voltplastics.com)***

## ***Chat Live Online!***

***This "Live Help" feature allows the customer  
to chat live with a Volt Customer Service  
Representative to get questions answered instantly.***

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# *V.I.P. – Volt Industrial Plastics*

## ***Production***

Volt produces plastic screws and nuts (both standard and metric), license plate screws and nuts, Christmas tree clips, rivets, wire and cable routing clips, printed circuit board hardware, dowels, washers, spacers, tapped spacers and many other fasteners.

We have an aggressive tooling program in place that is adding new tools in order to provide a complete product line. The CNC department has the latest technology in milling, turning and EDM capabilities, featuring Haas Mills Hitachi-Seiki lathe and Mitsubishi EDM sinker and wires.

## ***Same Day Shipping***

The warehouse holds over 500 million plastic fasteners which can be shipped same day or following business day depending on the time the order is received.



---

*Volt's warehouse can accommodate  
same day shipping on most catalog items from  
over 500 million parts  
held in inventory.*

---

## **Key Hole Clips**



**Key Hole Clips  
are cost effective  
and lightweight.**

**No tools required...  
easily installed by hand  
with minimal pressure**

**Key Hole clips have  
a tapered point and  
collapsing side design  
which allows them to  
fit into a hole easily  
and then expand for  
superior holding.**



**For Samples  
or more info  
Contact us today**



---

**Monday - Friday 7:00 A.M. - 5:00 P.M. Central Standard Time**

# Plastic Threaded Rod



**All rod threaded  
in-house**

**Nylon 6/6 stocked  
in inventory, alternate  
materials available**

**Tubular & solid,  
threaded & blanks**

**Right & left hand,  
coarse, fine, &  
metric threads**



**Low Pricing  
Fast Delivery**

## V.I.P. – Volt Industrial Plastics

Everyone you talk to at Volt Industrial Plastics is customer-focused. There is no compromise on quality, efficiency or customer service.

Calls made to Volt are answered by one of our customer-friendly people, ready to help you find the information you need. Volt Customer Service Representatives are well trained and knowledgeable. We know our products and capabilities; we can check product status and history while we're talking to you.

With our dedication to customer service, we provide access to our online inventory and other types of order status. This online information is customer specific and password protected. Customers access order status, inventory availability, pre- or post-production status, shipping

information and other information specific to their accounts. Real-time order entry and order adjustment are available through this password protected online program. Web site visitors can also scan our standard products catalog and review detailed information on the many material options available at V.I.P.

### **Marketing Resources**

Heidi Volltrauer, Vice President Marketing and Sales, is responsible for our international sales program which involves direct sales people and manufacturers reps across the globe. Heidi puts into words what you sense throughout Volt: "Customer satisfaction has been the key to our rapid growth. We know our customers. We value them. And we work hard for them."



*Volt's Customer Service Team is well trained, knowledgeable and ready to meet their customers' needs. Standing (left to right): Heidi Volltrauer, Pam Lane, Ashley Sinor, and Chris Sebbby. Seated (from left): Misty James and Toni McManness. Not pictured: Stephanie Crull.*





# V.I.P. – Volt Industrial Plastics

At Volt, we provide quick-response service on the custom parts that are so much a part of our day-to-day production schedule.

Our quick response is achieved largely as a result of our inventory investment. Customers for the multi-use, standard parts are served by the over 500 million parts inventory. Customers for engineered, application-specific parts are served by a large inventory of tool and die components as well as a broad raw material inventory. We have the skills and the equipment to achieve exceptionally fast turnaround on new tooling and prototypes. Tool Room

Manager Jesse Patterson explains, "We often analyze, recommend, quote and have prototypes on the way while competitors are still coming up with a price."

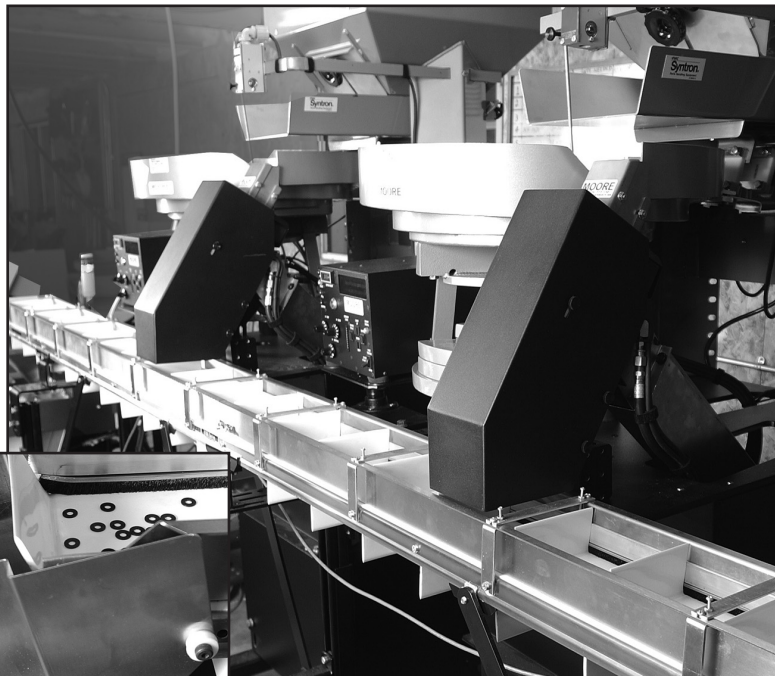


*Volt's production floor in action*

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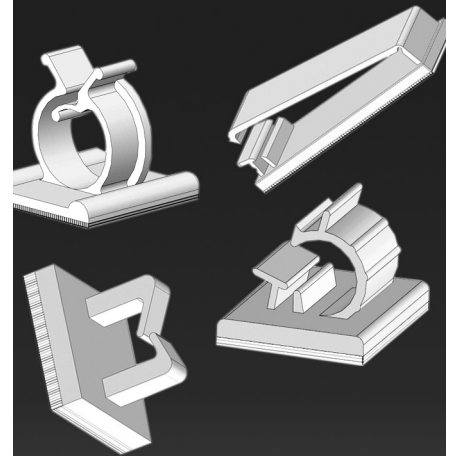
***Volt Industrial Plastics is the fastest growing manufacturer of plastic fasteners and assembly components in the marketplace today.***

---



*Bagging – Volt offers bagged product to more completely assist you with your needs outside of bulk shipping.*

## Adhesive Clips



**Organize wires, cords & cables fast!**

**Just peel & stick in place**

**Adheres to any smooth, clean, hard surface including wood, plastic & metal**

**Wires, cords or cables slip in & out easily, yet are retained securely**

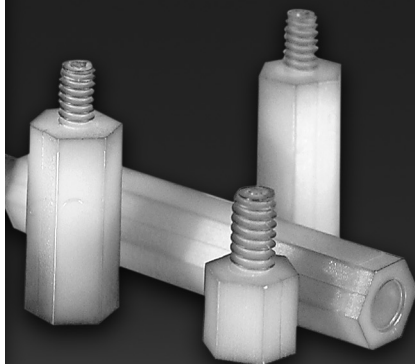


**For Samples or more info Contact us today**



**Monday - Friday 7:00 A.M. - 5:00 P.M. Central Standard Time**

# Hex Male-Female Standoffs



**Used extensively for internally threaded components in the electronics industry**

**Nylon 6/6 in stock for same day shipment**

**100 different materials available for various applications**



**For Samples or more info Contact us today**

## *Manufacturers of the Finest Plastic Fasteners in the World*

### **Company Heritage**

V.I.P.'s roots go back a lot further than the 16 years since Joe Volltrauer started the company in 1992. They really go back to 1952 when Joe came to the United States from Vienna. He brought with him the European work ethic that provided the foundation for the business that he founded. "Work hard and do it in such a way that you can take pride in what you do." Those are Joe's values and those are the values of his company – Volt Industrial Plastics.

Joe got a job as an apprentice tool and die maker for Acme Tool & Die in Chicago. He particularly loved the challenge of mold making. "It's like an artist sculpting," he explained, and Joe Volltrauer has a lot of the artist in him. In 1973 he started his own company, JV Tool, and a couple of years later moved to Arkansas where he designed his exceptionally functional, high quality molds for manufacturers of plastic components, including plastic fastener makers in the region. For its customers, JV Tool was a problem solver, a quality improver, a cost saver. In 1992 Joe decided he could use all of his mold and tool making expertise to



*Joe Volltrauer (CEO/Owner) working with Jesse Patterson, Tool Room Manager and longtime tool maker*

efficiently produce quality plastic fasteners in his own company and he founded Volt Industrial Plastics. He infused the entire company with his uncompromising dedication to quality and service and shared his knowledge – and his love – of tool and mold making.

Joe's willingness to put profits back into the business to buy state-of-the-art computer aided manufacturing equipment has enabled Volt to achieve an exceptionally efficient and responsive organization. He has attracted to the company people who share his dedication and his skills. And, as with every truly successful company, it is the people that have made the difference.

---

***Volt offers a unique blend of tooling skills, technology and customer dedication.***

---



*Volt's continuously expanding CNC department includes CNC lathe (pictured) and wire EDM machines*





When you have a reliable source for precision non-metallic fasteners, you can use them to reduce the weight, cost, and assembling complexities of your products.

The light weight, non-magnetic, non-corrosive, non-toxic, non-flammable, non-abrasive, non-conducting, heat resistant properties of versatile polymers make them invaluable for applications where high tensile holding strength is not the primary requirement.

And, when you consider that these characteristics may be further enhanced by chemical and fiber additions to increase strength, hardness, flexibility, or temperature and UV resistance, you can begin to understand why plastics are so attractive.

The skilled craftsmen at Volt Industrial Plastics not only efficiently produce new fastener shapes to customer print, they also produce them in a wide range of materials to achieve specific ductility or hardness. Today they are working with unique materials that add an entirely new dimension to plastic components and challenge the most creative design engineers. These are plastics that glow, can be richly colored and are soft to the touch or give off attractive scents.

Volt Industrial Plastics has the capability of molding over 120 different materials and is able to color match for specific applications. Over 100 colors are stocked in house. Following are descriptions of some of the materials in use at V.I.P. Please do not hesitate to call for more information on these or any other materials. Call for free samples.

## **ABS**

A polymer consisting of Acrylonitrile, Butadiene and Styrene which can be combined in different ratios to produce a blend tailored to the customer's specific needs. Acrylonitrile contributes heat stability, chemical and aging resistance. Butadiene contributes low temperature retention, toughness and impact strength. Styrene contributes a glossy finish, rigidity and processing ease. Together, they provide flame retardance, electroplatability and variable gloss finish capability.

## **Acetal**

Acetal resins are odorless, tasteless and nontoxic. Key properties include high strength and rigidity, excellent dimensional stability, fatigue endurance, relatively low moisture absorption and low dynamic and static coefficient of friction. Perhaps the most outstanding feature is Acetal's ability to retain these properties over a wide range of adverse conditions including extreme humidity, exposure to solvents and other chemicals and high loading and prolonged cyclic stressing. Acetal is widely used in the automotive, electrical, machinery, equipment and watch making industries.

## **Aromatic Thermoplastics**

A specialty compound that makes your product more attractive, pleasant, or even more fun. One that helps you highlight desirable product characteristics and build brand recognition by appealing to a customer's sense of smell. Scented Compounds, which incorporate one of hundreds of standard or custom fragrances, emit a pleasant scent. While these fragrances are compatible with most reinforcements and colors, they work best in olefinic resins such as polypropylenes, polyethylenes, and olefinic thermoplastic elastomers. They can be injection molded, extruded or blow molded. Fragrances may be retained for up to a year. Generally, the thicker the part, the longer the fragrance will last. Applications for Scented Compounds include toys, household products, personal care products, medical supplies, cosmetics, automotive interior items, consumer goods, non-FDA parts and air freshening. Scented Compounds can also be helpful in offsetting undesirable odors in some applications.

## **Customized Phosphorescent Thermoplastics (Glow-in-the-Dark)**

A family of compounds with intriguing, glow-in-the-dark effects. Options in glow duration, intensity and color. Phosphorescent pigments absorb ultraviolet light and slowly emit this energy over time. This effect is best achieved with clear or translucent resin systems such as: elastomers, acrylics, polycarbonates, styrenics and polyolefins. New classes of pigments allow for longer glow life. The most effective way to recharge these compounds is to expose them to direct ultraviolet rays. These compounds are perfect for a variety of applications including: electronics, consumer goods, athletic and sporting goods, and safety equipment and signage. These compounds are an effective alternate light source to eliminate expensive wiring and lighting systems in applications such as signs, railings, armrests, or automotive instrument panels.

## **TPE Thermoplastic Elastomer Compounds (Rubber-like Material)**

Thermoplastic Elastomer Compounds (TPE) are easily processed in a wide range of parameters for injection molding applications. Features of this material are soft touch, rubbery feel, excellent color ability and good ozone/UV stability. Thermoplastic Elastomer Compounds (TPE) has excellent grip characteristics and is extremely weatherproof. Examples of applications are medical and package tubing, closures and seals, household products, infant and personal care products and PVC replacement.

*(continued)*





## **Kostrate**

This new thermoplastic material, which serves as a cost effective alternative to polycarbonate, exhibits exceptional toughness, rigidity and clarity. Kostrate is a significant cost-saving alternative for clear applications where rubber modified polystyrene, polycarbonate and copolymer polyester may have been used. Compared to other clear and engineered materials, Kostrate offers the following: high impact, high flexural and tensile strength.

## **Nylon**

Nylon resins are typically used in applications requiring heat and chemical resistance, as well as, toughness. Some examples include under-the-hood automotive components, electrical connectors for the telecommunications and computer industries and components of medical devices. Nylon products can be found in virtually every industry. Parts in a broad range of colors can be produced with most nylon resins.

## **Polybutylene**

A thermoplastic polymer, such as butyl rubber, of a butylene liquefied petroleum gas, isobutene, butene-1, butene-2 that is manufactured in various degrees of elasticity, strength and stability. Used for films, coatings, pipes, tubing, fittings and many other services.

## **Polycarbonate**

Polycarbonate resin is one of the toughest, most versatile engineering thermoplastics, combining outstanding electrical insulation properties, performance history and economic advantages over other thermoplastics, metals, glass and other materials. Available with a variety of additive options which enhance UV stabilization, flame and heat resistance, impact strength, dimensional stability and optical quality: Polycarbonate resin is widely used in the appliance, automotive, packaging, electrical and electronic industries.

## **Polyethylene**

Polyethylene is a partially crystalline, lightweight thermoplastic, polymerized from ethylene gas at controlled temperatures and pressures. It is tough, heat stable, flexible and has a wax-like feel. Polyethylene is used in many applications because of its moisture barrier properties, superior optics, salability, toughness and outstanding electrical properties.

## **Polypropylene**

Polypropylene is a thermoplastic polymer with low specific gravity and good resistance to chemicals and fatigue. It can be readily colored, has good tensile strength and proven resistance to acids, alkalis and solvents. It also has low permeability to water, is unaffected by bacteria or fungus and has good electrical resistance. Chemical and fiber additions produce improved impact and UV resistance, increased flexibility and anti-static control, strength, excellent end product durability and performance.

## **Polystyrene**

Polystyrene (or Styrene) advanced performance resins are crystal-clear, resist moisture, stable when exposed to radiation, can be uniformly colored, have attractive light transmission capabilities, dimensional stability, high tensile and flexible.

**Looking For Specifications?**  
Our Material Data Sheets are located on  
our Web site: [www.voltplastics.com](http://www.voltplastics.com)

If you don't have access  
to the Internet please call us!



## **Certification of Composition**

Neither our Nylon 6/6 parts nor our packing materials contain any unconditionally banned substances, or conditionally banned substances.

This includes Cadmium (Cd) and its compounds, Lead (Pb) and its compounds, Hexavalent Chromium (Cr) compounds, Mercury (Hg) and its compounds, Polychlorinated Biphenyls (PCBs), Polybrominated Biphenyls (PBBs), or Polybrominated Diphenyl Ethers (PBDEs).

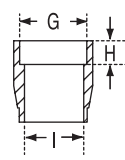
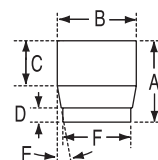
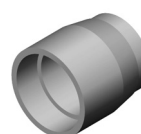
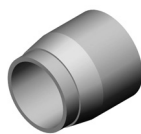
V.I.P.'s products do not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of CFR 372.

All of our Nylon 6/6 products and packing materials comply with Restriction on Hazardous Substances (RoHS) and Waste for Electrical and Electronic Equipment (WEEE) initiatives including:

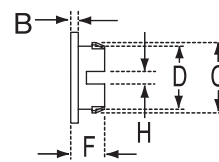
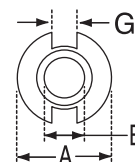
- EU-Directive 2002/95, EU End-of-Life-Vehicle Directive 200/53/EC, and EU-Directive 2003/11/EC
- List of Declarable Materials in Automobile Manufacturing of VDA Norm 232-101
- German Hazardous Substances Ordinance of 15.11.99



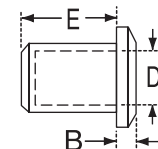
## Bushings



| Item     | A    | B    | C    | D    | E   | F    | G    | H    | I    |
|----------|------|------|------|------|-----|------|------|------|------|
| BSH-1693 | .515 | .500 | .285 | .090 | 10° | .435 | .425 | .150 | .375 |



| Item        | A    | B    | C    | D    | E    | F    | G    | H    |
|-------------|------|------|------|------|------|------|------|------|
| BSH-0127-SP | .750 | .060 | .560 | .502 | .392 | .270 | .200 | .100 |



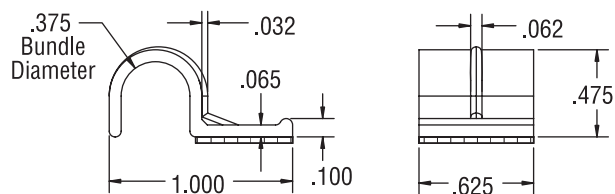
| Item     | A    | B    | C    | D    | E    |
|----------|------|------|------|------|------|
| BSH-1698 | .373 | .075 | .252 | .197 | .357 |



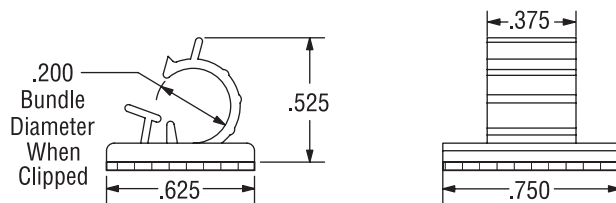
# Cable Routing & Wire Handling Hardware

## Adhesive Backed Wire & Cable Clips

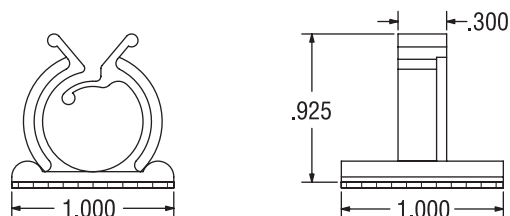
Item CLB-0536-ADB



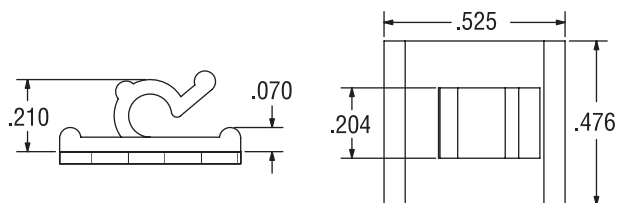
CLB-1169-ADB



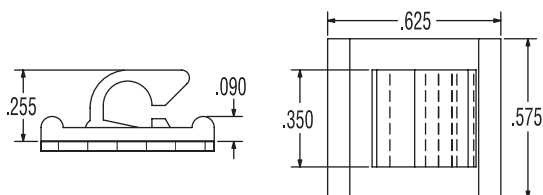
Item CLB-2084-ADB / .620 BUNDLE DIA.



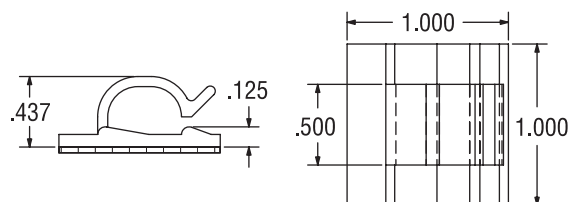
CLB-2049-ADB / .125 BUNDLE DIA.



Item CLB-0663-ADB / .187 BUNDLE DIA.



CLB-419-ADB / .375 BUNDLE DIA.



(continued)

CLIPS ARE BACKED WITH A QUALITY .062 THICK  
FOAM ADHESIVE TAPE FOR EASY INSTALLATION.

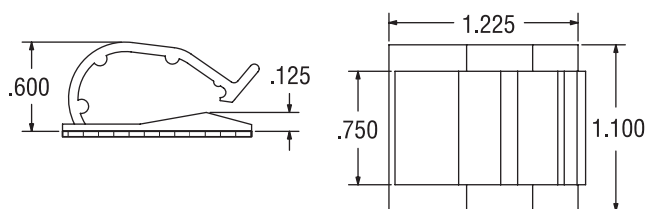
ALSO AVAILABLE WITHOUT TAPE.



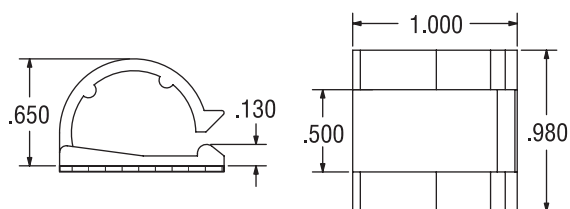
# Cable Routing & Wire Handling Hardware

## Adhesive Backed Wire & Cable Clips (continued)

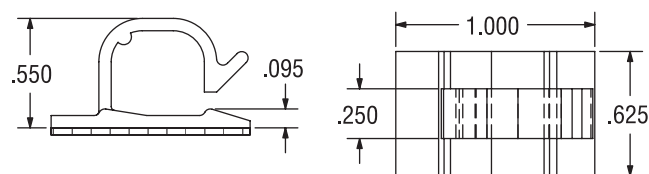
Item CLB-0662-ADB / .575 BUNDLE DIA.



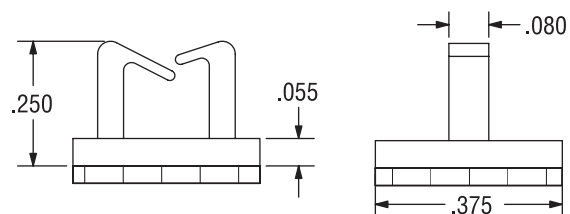
Item CLB-0753-ADB / .625 BUNDLE DIA.



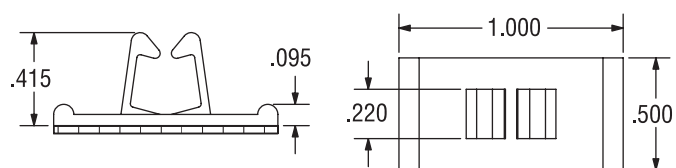
Item CLB-0894-ADB / .450 BUNDLE DIA.



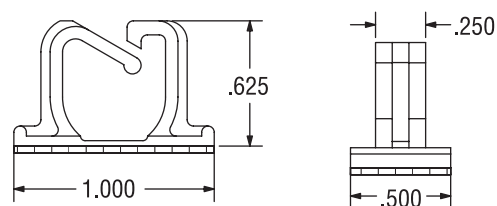
Item CLM-0882-SM-ADB / .170 BUNDLE DIA.



Item CLB-0858-ADB / .250 BUNDLE DIA.



Item CLP-1712-ADB / .450 BUNDLE DIA.



(continued)

CLIPS ARE BACKED WITH A QUALITY .062 THICK  
FOAM ADHESIVE TAPE FOR EASY INSTALLATION.

ALSO AVAILABLE WITHOUT TAPE.

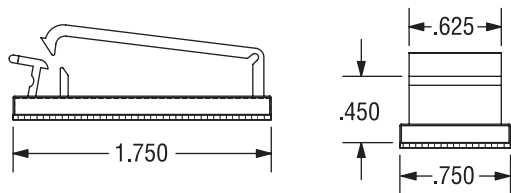


# Cable Routing & Wire Handling Hardware

## Adhesive Backed Wire & Cable Clips (continued)

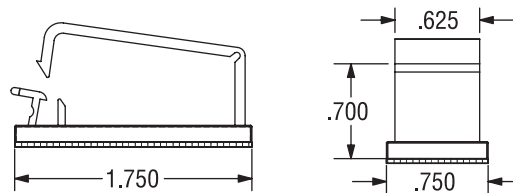
Item **CLB-1856-ADB**

MAX. FLAT WIRE WIDTH 1.250, HEIGHT .250



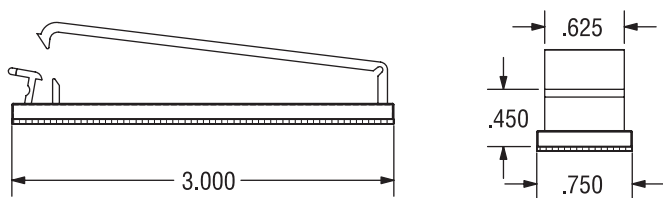
Item **CLB-1899-ADB**

MAX. FLAT WIRE WIDTH 1.250, HEIGHT .500



Item **CLB-1855-ADB**

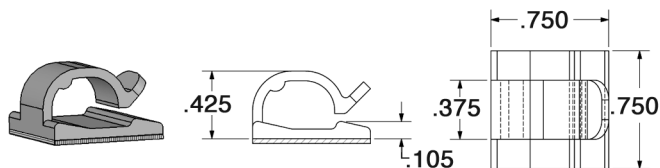
MAX. FLAT WIRE WIDTH 2.500, HEIGHT .250



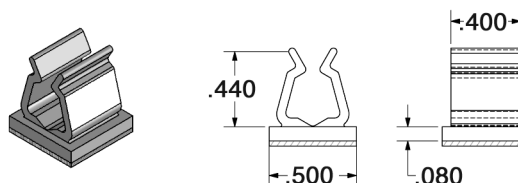
CLIPS ARE BACKED WITH A QUALITY .062 THICK  
FOAM ADHESIVE TAPE FOR EASY INSTALLATION.

ALSO AVAILABLE WITHOUT TAPE.

Item **CLB-2372-ADB / .350 BUNDLE DIA.**

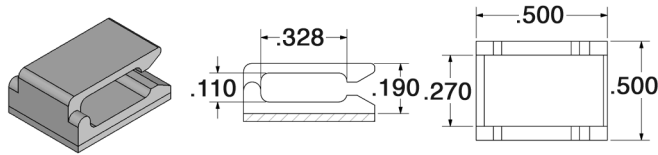


Item **CLB-2483-ADB / .312 BUNDLE DIA.**

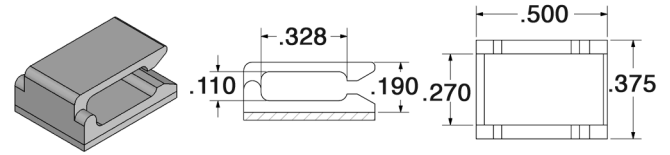


# Cable Routing & Wire Handling Hardware

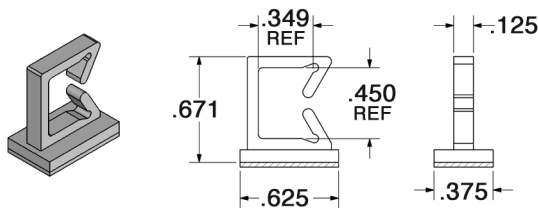
Item CLB-2484-ADB



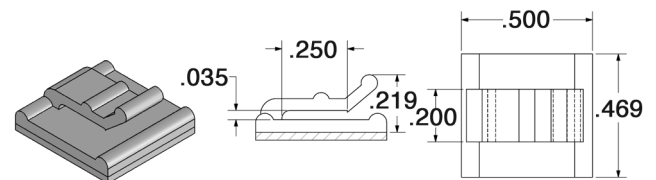
Item CLB-2485-ADB



Item CLB-2486-ADB



Item CLB-2487-ADB

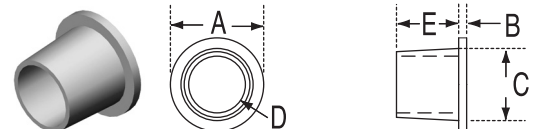


CLIPS ARE BACKED WITH A QUALITY .062 THICK  
FOAM ADHESIVE TAPE FOR EASY INSTALLATION.

ALSO AVAILABLE WITHOUT TAPE.

## Lamp Snap Bushing (Internal)

For the protection of lamp cord insulation, easy installation and durability for long lasting cord protection, bushing is made from high density polyethylene.

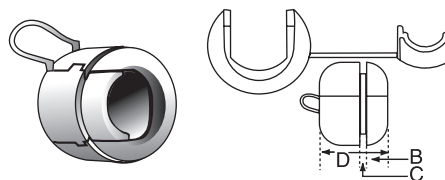


| Item            | Description | A    | B    | C    | D    | E    |
|-----------------|-------------|------|------|------|------|------|
| BSH-0143-LS-PEH | 1/8" SNAP   | .375 | .032 | .290 | .228 | .250 |



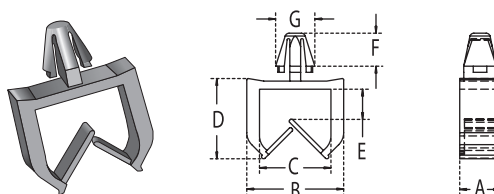
# Cable Routing & Wire Handling Hardware

## Strain Relief for Switching Power Supply

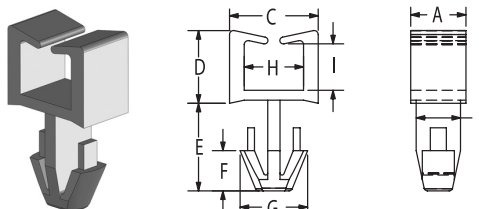


| WILL FIT THESE CABLES |                |                        | CHASSIS DIMENSIONS |                    |                       |                   | PART NO.     | UL/CSA Description | D Body Length |      |
|-----------------------|----------------|------------------------|--------------------|--------------------|-----------------------|-------------------|--------------|--------------------|---------------|------|
| UL TYPE Designation   | AWG Conductors | Approximate Cable Size |                    | Mounting Hole Dia. | B To Prevent Rotation | Maximum Thickness | Black        |                    | in.           | mm.  |
| SO                    | 14/4           | .560                   | 14.2               | .825 21.0          | N/A                   | .062 1.6          | RFS-1040-RND | 8R-200             | .670          | 17.0 |
| SO                    | 12/3           | .590                   | 15.0               |                    |                       |                   |              |                    |               |      |

## Saddle Clip - Top Entry



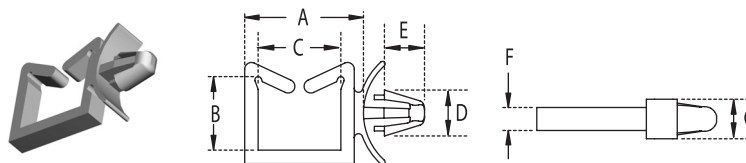
| Item              | A    | B    | C    | D    | E    | F    | G    |
|-------------------|------|------|------|------|------|------|------|
| CLS-1416-LCK-TPEN | .160 | .360 | .260 | .290 | .120 | .120 | .145 |
| CLS-1990-TPEN     | .170 | .470 | .370 | .450 | .258 | .125 | .163 |



| Item          | A    | B    | C    | D    | E    | F    | G    | H    | I    |
|---------------|------|------|------|------|------|------|------|------|------|
| CLS-2329-TPEN | .161 | .130 | .260 | .204 | .266 | .125 | .198 | .170 | .125 |

SNAP LOCK IN .187 DIA. HOLE SIZE  
.062 NOM. THICK CHASSIS

## Saddle Clip - Side Entry

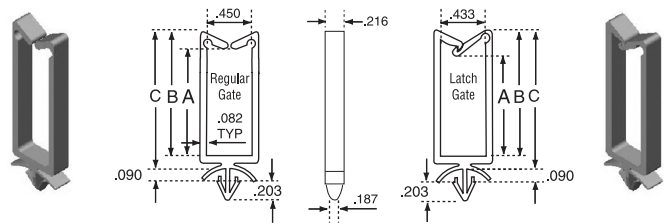


| Item          | A    | B    | C    | D    | E    | F    | G    |
|---------------|------|------|------|------|------|------|------|
| CLS-1804-SDEN | .625 | .375 | .430 | .240 | .218 | .125 | .215 |



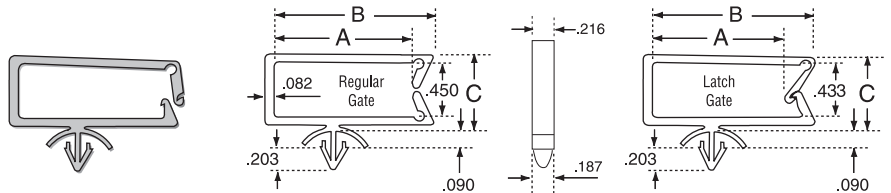
# Cable Routing & Wire Handling Hardware

## Wire and Cable Holders Top Entry



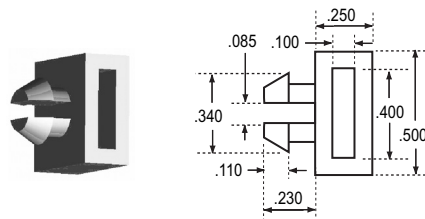
| Item       | Description | A     | B     | C     |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|-------------|-------|-------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HLC-12-REG | NON-LOCKING | .160  | .345  | .484  | <ul style="list-style-type: none"> <li>• Gather and direct a single or group of cables at low cost. Vertical orientation for top entry and narrow width.</li> <li>• Regular gate secures cables with tension alone – Latch gate locks cables securely.</li> <li>• Both types install with fingertip pressure into a 3/16" (4.8 mm) diameter hole.</li> <li>• Bayonet mount self-adjusts to various thicknesses up to .090" (2.3 mm).</li> </ul> |
| HLC-12-LCH | LOCKING     | .125  | .335  | .484  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HLC-18-REG | NON-LOCKING | .385  | .575  | .700  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HLC-18-LCH | LOCKING     | .360  | .560  | .700  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HLC-27-REG | NON-LOCKING | .750  | 1.050 | 1.062 |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HLC-27-LCH | LOCKING     | .725  | 1.035 | 1.062 |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HLC-35-REG | NON-LOCKING | 1.062 | 1.250 | 1.375 |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HLC-35-LCH | LOCKING     | 1.035 | 1.235 | 1.375 |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Wire and Cable Holders Side Entry



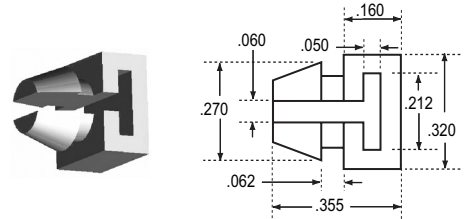
| Item          | A    | B    | C    |                                                                                                                                                                                                                                                                                                       |
|---------------|------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HLC-27-90-LCH | .725 | .925 | .665 | <ul style="list-style-type: none"> <li>• Horizontal orientation for entry and low height where clearance is a problem.</li> <li>• Installs with fingertip pressure into a 3/16" (4.8 mm) diameter hole.</li> <li>• Bayonet mount self-adjusts to various thicknesses up to .090" (2.3 mm).</li> </ul> |

## Cable Tie Mounts



.296 HOLE SIZE  
.086 PANEL THICKNESS

MTC-0553



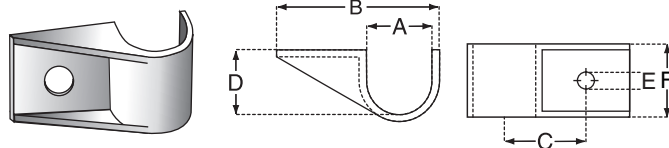
.250 HOLE SIZE  
.062 PANEL THICKNESS

MTC-0422

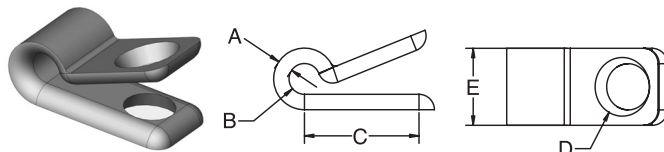


# Cable Routing & Wire Handling Hardware

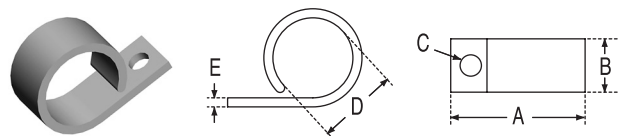
## Cable Clamps



| Item              | A    | B    | C    | D    | E    | F    |
|-------------------|------|------|------|------|------|------|
| CMC-0363-0250-HLF | .234 | .793 | .366 | .234 | .203 | .500 |
| CMC-0986-0375-HLF | .359 | .910 | .430 | .359 | .203 | .500 |

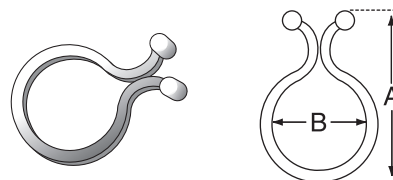


| Item          | A    | B    | C    | D    | E    |
|---------------|------|------|------|------|------|
| CMC-0062-0096 | .035 | .062 | .187 | .096 | .156 |



| Item          | A     | B    | C    | D     | E    |
|---------------|-------|------|------|-------|------|
| CMC-0505-0500 | 1.150 | .400 | .200 | .500  | .075 |
| CMC-0506-0750 | 1.260 | .500 | .200 | .750  | .085 |
| CMC-0507-1000 | 1.530 | .500 | .200 | 1.000 | .090 |

## Twist Locks

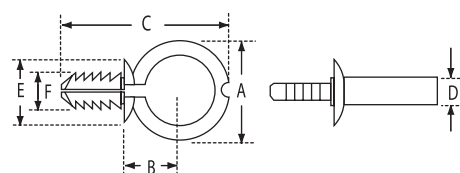


| Item     | Description      | A     | B         |
|----------|------------------|-------|-----------|
| LPL-0187 | 3/16" TWIST LOCK | .835  | .150/.200 |
| LPL-0250 | 1/4" TWIST LOCK  | .835  | .200/.250 |
| LPL-0375 | 3/8" TWIST LOCK  | 1.020 | .300/.400 |
| LPL-0500 | 1/2" TWIST LOCK  | 1.195 | .400/.500 |
| LPL-0750 | 3/4" TWIST LOCK  | 1.500 | .700/.800 |

# Cable Routing & Wire Handling Hardware

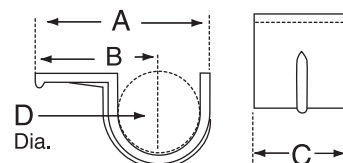
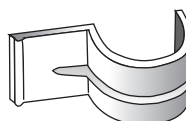
## Cable Clips

.260 - .270 HOLE SIZE  
.060 - .340 PANEL THICKNESS  
.500 HOLDING DIAMETER



| Item     | A    | B    | C     | D    | E    | F    |
|----------|------|------|-------|------|------|------|
| CLB-0759 | .750 | .375 | 1.225 | .200 | .510 | .285 |

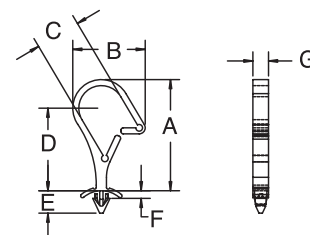
WITH OR WITHOUT ADHESIVE BACKING



| Item     | A    | B    | C    | D    |
|----------|------|------|------|------|
| CLB-0536 | .984 | .796 | .625 | .375 |

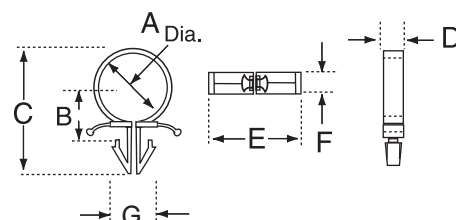
## Cable Holder

.187 DIA MOUNTING HOLE  
.090 MAXIMUM CHASSIS THICKNESS



| Item        | A     | B     | C    | D     | E    | F    | G    |
|-------------|-------|-------|------|-------|------|------|------|
| HLC-0919-SP | 1.690 | 1.000 | .620 | 1.300 | .310 | .105 | .215 |

## Circle Clip

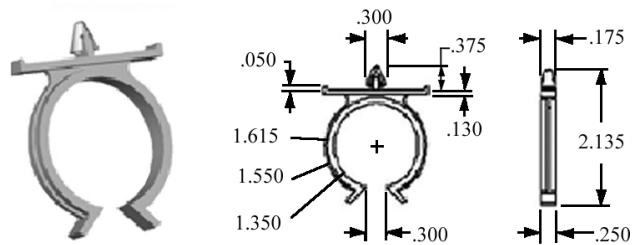


| Item     | A    | B    | C    | D    | E    | F    | G    |
|----------|------|------|------|------|------|------|------|
| CLC-0508 | .343 | .328 | .770 | .240 | .600 | .270 | .290 |



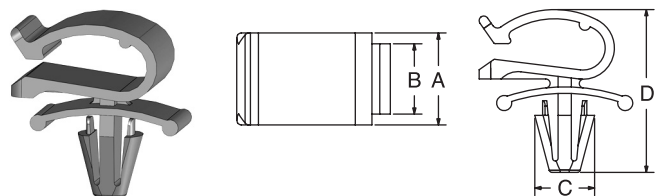
# Cable Routing & Wire Handling Hardware

## Drain Hose Clip



| Item     |
|----------|
| CLH-1181 |

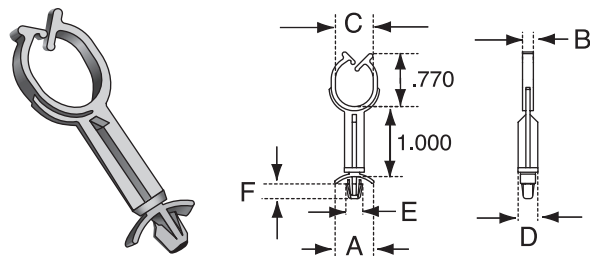
.380 MAXIMUM CABLE DIA  
.105 MAXIMUM PANEL THICKNESS  
.250 HOLE SIZE



## Push Mount Wire Clip

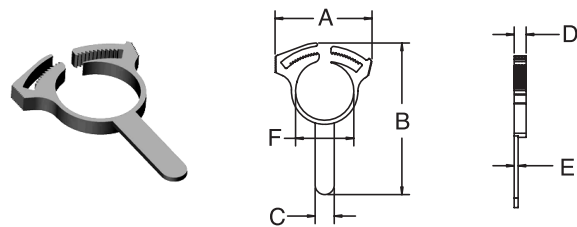
| Item           | A    | B    | C    | D    |
|----------------|------|------|------|------|
| CLWI-2328-PSHM | .500 | .380 | .310 | .880 |

## Standoff Harness Clip



| Item      | A    | B    | C    | D    | E    | F    |
|-----------|------|------|------|------|------|------|
| CLSH-1762 | .545 | .155 | .540 | .280 | .235 | .201 |

## Tabbed Hose Clamp

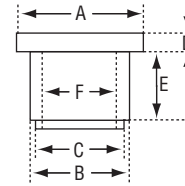
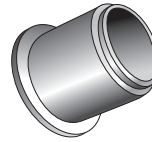


| Item         | A     | B     | C    | D    | E    | F         |
|--------------|-------|-------|------|------|------|-----------|
| CMH-1688-TBD | 1.500 | 2.450 | .315 | .197 | .065 | .630-.861 |



## Cap Plug

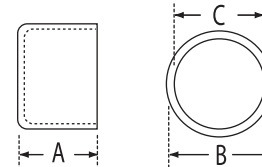
PEL = LOW DENSITY POLYETHYLENE



| Item         | A    | B    | C    | D    | E    | F    |
|--------------|------|------|------|------|------|------|
| CAP-0959-PEL | .895 | .785 | .740 | .100 | .415 | .585 |

## End Cap

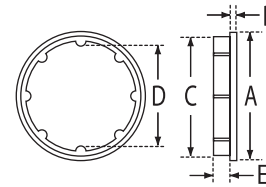
PP = POLYPROPYLENE



| Item        | A    | B    | C    |
|-------------|------|------|------|
| CAE-1674-PP | .375 | .500 | .343 |

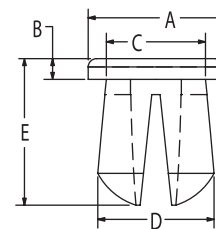
## Hole Caps

PEL = LOW DENSITY POLYETHYLENE



| Item                      | A     | B    | C     | D     | E    |
|---------------------------|-------|------|-------|-------|------|
| CAH-1719-1470-0220-RB-PEL | 1.719 | .078 | 1.590 | 1.470 | .220 |
| CAH-2185-1941-0220-RB-PEL | 2.185 | .078 | 2.067 | 1.850 | .220 |

## Hole Plugs



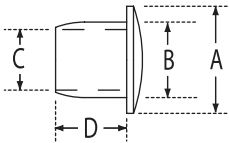
| Item         | Head Style | Hole Size | Panel Thickness | A    | B    | C    | D    | E    |
|--------------|------------|-----------|-----------------|------|------|------|------|------|
| PLH-2265-BIN | BINDING    | .375-.380 | .093-.312       | .490 | .075 | .359 | .405 | .530 |
| PLH-2302-BIN | BINDING    | .187-.192 | .031-.062       | .350 | .035 | .185 | .205 | .175 |





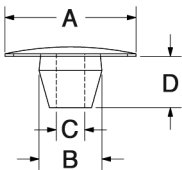
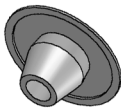
## Plugs

PEL = LOW DENSITY POLYETHYLENE



| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| PLG-1941-PEL | .480 | .335 | .270 | .315 |

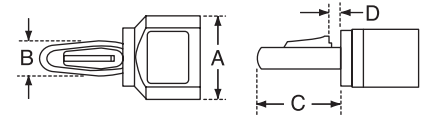
PEL = LOW DENSITY POLYETHYLENE



| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| PLG-2476-PEL | .750 | .355 | .163 | .291 |

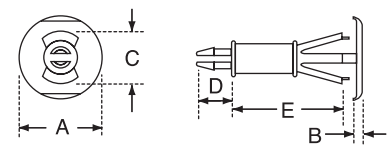
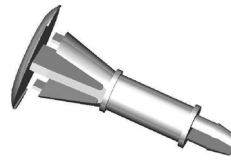


## Locking Circuit Board Support



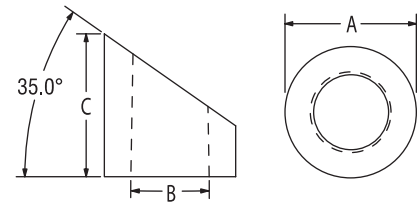
| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| SCB-1238-LCK | .402 | .170 | .402 | .062 |

## Locking Reverse Circuit Board Supports



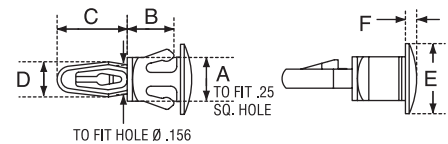
| Item              | A    | B    | C    | D    | E    |
|-------------------|------|------|------|------|------|
| SPCB-1415-LCK-RVS | .375 | .060 | .240 | .187 | .312 |
| SPCB-1417-LCK-RVS | .375 | .060 | .240 | .187 | .375 |
| SPCB-1418-LCK-RVS | .375 | .060 | .240 | .187 | .437 |

## PC Board Retainer

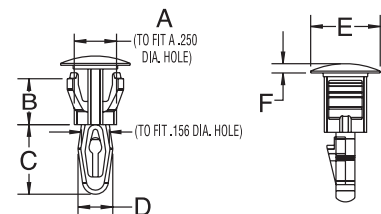
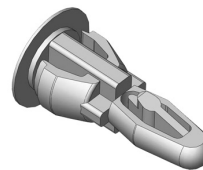


| Item       | A    | B    | C    |
|------------|------|------|------|
| RTPCB-2260 | .285 | .170 | .310 |

## PC Board Supports

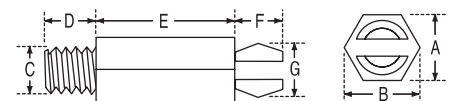
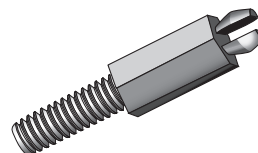


| Item      | A    | B    | C    | D    | E    | F    |
|-----------|------|------|------|------|------|------|
| SPCB-1802 | .230 | .250 | .375 | .191 | .375 | .060 |



| Item      | A    | B    | C    | D    | E    | F    |
|-----------|------|------|------|------|------|------|
| SPCB-2115 | .230 | .250 | .375 | .187 | .375 | .050 |

## Male PCB Support Post

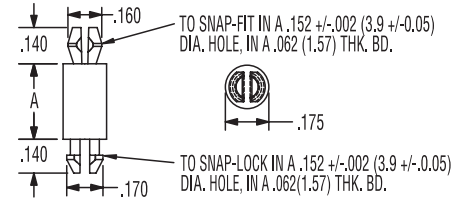


| Item        | Description | A    | B    | C    | D    | E    | F    | G    |
|-------------|-------------|------|------|------|------|------|------|------|
| PCB-0905-TH | 6-32 THREAD | .187 | .215 | .134 | .344 | .395 | .141 | .170 |



# Circuit Board Hardware

## Circuit Board Posts

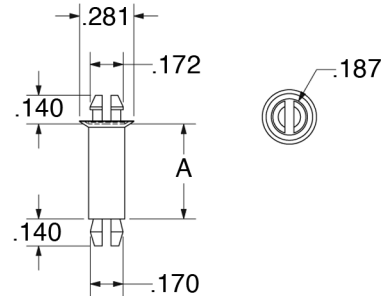
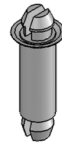


| Item     | A    |
|----------|------|
| PCB-0647 | 1/4  |
| PCB-1652 | 5/16 |

Locking Spacer eliminates other hardware in mounting P.C. Boards on metal chassis or stacking in tiers.

.152  $\pm$  .002 HOLE SIZE  
.062 PANEL THICKNESS

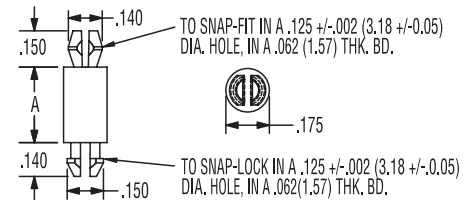
F = FLANGE



| Item       | A    |
|------------|------|
| PCB-2337-F | .250 |
| PCB-2336-F | .500 |

Locking Spacer eliminates other hardware in mounting P.C. Boards on metal chassis or stacking in tiers.

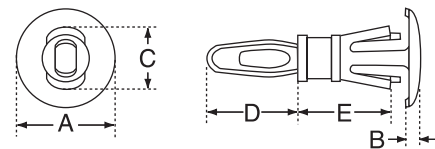
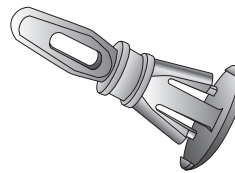
## Mini Circuit Board Posts



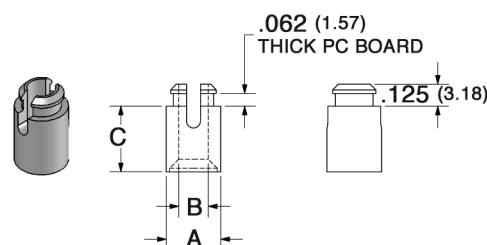
| Item       | A    | Item       | A    | Item       | A   |
|------------|------|------------|------|------------|-----|
| PCB-2211-M | 1/8  | PCB-2205-M | 3/8  | PCB-2208-M | 5/8 |
| PCB-2202-M | 3/16 | PCB-2206-M | 7/16 | PCB-2209-M | 3/4 |
| PCB-2203-M | 1/4  | PCB-2207-M | 1/2  |            |     |
| PCB-2204-M | 5/16 | PCB-2196-M | 9/16 |            |     |

Locking Spacer eliminates other hardware in mounting P.C. Boards on metal chassis or stacking in tiers.

## Reverse Circuit Board Support



| Item         | A    | B    | C    | D    | E    |
|--------------|------|------|------|------|------|
| PCB-0954-RVS | .375 | .060 | .240 | .344 | .312 |



## Retaining Stacking Spacers

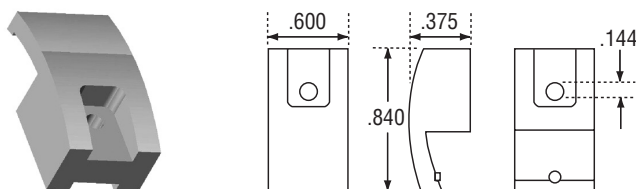
| Item         | Mounting Hole | Screw Size | A    | B    | C    |
|--------------|---------------|------------|------|------|------|
| SPRS-2381-FR | .187          | #4         | .260 | .125 | .125 |
| SPRS-2382-FR | .187          | #4         | .260 | .125 | .187 |
| SPRS-2383-FR | .187          | #4         | .260 | .125 | .250 |
| SPRS-2384-FR | .187          | #4         | .260 | .125 | .375 |
| SPRS-2330-FR | .187          | #4         | .260 | .125 | .413 |
| SPRS-2385-FR | .187          | #4         | .260 | .125 | .500 |
| SPRS-2386-FR | .187          | #4         | .260 | .125 | .625 |
| SPRS-2377-FR | .234          | #6         | .312 | .153 | .250 |
| SPRS-2378-FR | .234          | #6         | .312 | .153 | .375 |
| SPRS-2379-FR | .234          | #6         | .312 | .153 | .500 |
| SPRS-2380-FR | .234          | #6         | .312 | .153 | .625 |
| SPRS-2373-FR | .234          | #8         | .312 | .169 | .250 |
| SPRS-2374-FR | .234          | #8         | .312 | .169 | .375 |
| SPRS-2375-FR | .234          | #8         | .312 | .169 | .500 |
| SPRS-2376-FR | .234          | #8         | .312 | .169 | .625 |

FR = FLAME RETARDANT

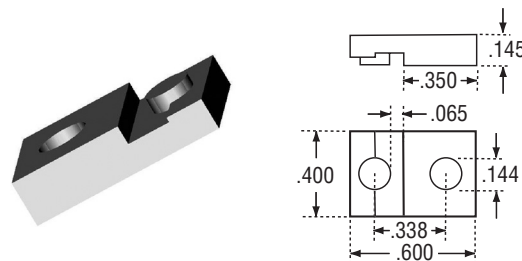
## Transistor Insulators

Item

MTT-1288

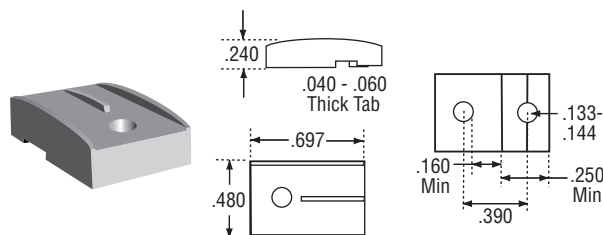


IST-1132

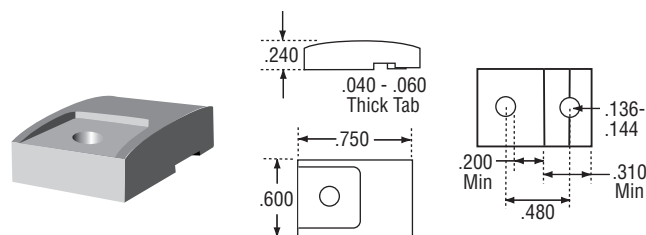


Item

IST-0617

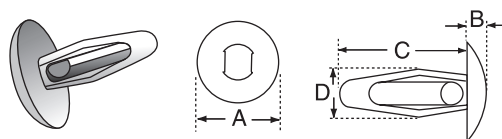


IST-0600



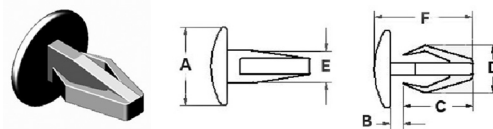
## Arrow Clips

WB = WEBBED  
BT = BLUNT



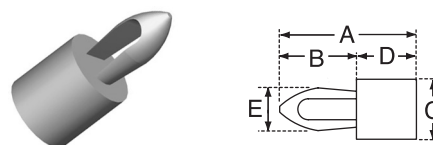
| Item           | Hole Size | Panel Thickness | A    | B    | C     | D    |
|----------------|-----------|-----------------|------|------|-------|------|
| CLA-0001       | .182/.192 | .062/.125       | .360 | .060 | .415  | .225 |
| CLA-0002       | .131/.135 | .062/.125       | .280 | .060 | .380  | .162 |
| CLA-0004       | .151/.161 | .062/.145       | .280 | .060 | .400  | .180 |
| CLA-0005       | .213/.223 | .062/.160       | .370 | .060 | .515  | .248 |
| CLA-0005-SP    | .213/.223 | .062/.187       | .500 | .080 | .540  | .248 |
| CLA-0005-BT    | .215/.225 | .187/.260       | .370 | .060 | .515  | .248 |
| CLA-0006-WB    | .182/.192 | .310/.330       | .380 | .060 | .550  | .225 |
| CLA-0007       | .213/.223 | .062/.125       | .370 | .060 | .450  | .220 |
| CLA-0009       | .250/.260 | .125/.187       | .484 | .070 | .575  | .290 |
| CLA-0011       | .182/.192 | .165/.187       | .370 | .060 | .518  | .206 |
| CLA-0013       | .130/.132 | .125/.140       | .280 | .060 | .318  | .162 |
| CLA-0014       | .145/.150 | .290/.300       | .270 | .065 | .530  | .196 |
| CLA-0014-WB    | .145/.150 | .290/.300       | .270 | .065 | .530  | .196 |
| CLA-0015       | .118/.122 | .062/.125       | .280 | .060 | .390  | .150 |
| CLA-0016       | .250/.260 | .360/.380       | .610 | .065 | .810  | .275 |
| CLA-0017       | .320/.335 | .062/.340       | .683 | .070 | .900  | .375 |
| CLA-0018       | .160/.165 | .032/.125       | .280 | .080 | .400  | .186 |
| CLA-0021-WB-SP | .250/.260 | .125/.250       | .500 | .085 | .630  | .280 |
| CLA-0024-WB    | .250/.260 | .500/.750       | .610 | .068 | 1.135 | .287 |
| CLA-1668       | .213/.223 | .062/.187       | .625 | .100 | .492  | .248 |
| CLA-1996       | .180/.190 | .040/.100       | .360 | .060 | .450  | .218 |

## Special Arrow Clips

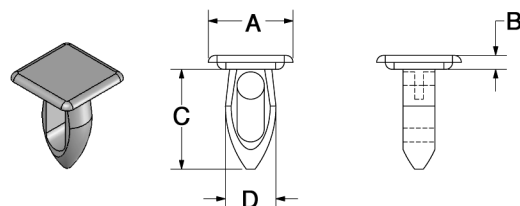


| Item     | A    | B    | C    | D    | E    | F    |
|----------|------|------|------|------|------|------|
| CLA-1208 | .540 | .075 | .575 | .360 | .230 | .725 |

.182 - .192 HOLE SIZE  
.095 - .218 PANEL THICKNESS



| Item        | A    | B    | C    | D    | E    |
|-------------|------|------|------|------|------|
| CLA-1162-SP | .812 | .437 | .375 | .375 | .225 |

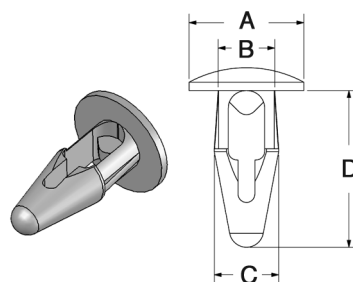


| Item     | A    | B    | C    | D    |
|----------|------|------|------|------|
| CLA-1197 | .485 | .085 | .580 | .290 |



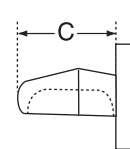
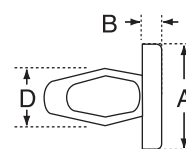
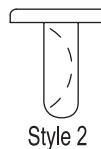
ST50 = 50% NYLON 6/6, 50% SUPER TOUGH

## Dart Clip



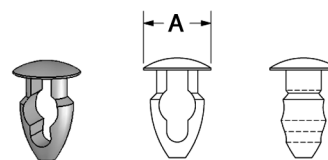
| Item          | Hole Size | Panel Thickness | A    | B    | C    | D    |
|---------------|-----------|-----------------|------|------|------|------|
| CLT-2527-ST50 | .187      | .125-.180       | .410 | .200 | .225 | .560 |

## Canoe Clips



| Item     | Style | Head Style | Hole Diameter | Panel Thickness | A    | B    | C    | D    |
|----------|-------|------------|---------------|-----------------|------|------|------|------|
| CLN-0427 | 2     | TRUSS      | .123-.127     | .080-.100       | .270 | .040 | .330 | .135 |
| CLN-0758 | 1     | PAN        | .240-.260     | .095-.218       | .450 | .060 | .460 | .290 |
| CLN-0791 | 1     | TRUSS      | .245-.280     | .095-.215       | .860 | .090 | .630 | .285 |
| CLN-1166 | 1     | BINDING    | .240-.275     | .075-.205       | .500 | .050 | .630 | .288 |
| CLN-1184 | 1     | ROUND      | .125-.150     | .070-.140       | .295 | .100 | .430 | .158 |
| CLN-1185 | 2     | ROUND      | .175-.205     | .080-.125       | .500 | .250 | .425 | .205 |
| CLN-1198 | 2     | ROUND      | .131-.141     | .060-.090       | .400 | .150 | .270 | .158 |
| CLN-1240 | 2     | BINDING    | .185-.200     | .085-.160       | .375 | .060 | .437 | .209 |
| CLN-1267 | 1     | ROUND      | .131-.141     | .085-.125       | .406 | .100 | .365 | .166 |
| CLN-1274 | 2     | TRUSS      | .135-.140     | .055-.085       | .300 | .060 | .330 | .160 |
| CLN-1705 | 2     | PAN        | .200-.220     | .085-.205       | .516 | .070 | .498 | .238 |
| CLN-2438 | 1     | TRUSS      | .182-.192     | .100-.160       | .374 | .059 | .433 | .207 |

## Key Hole Clips



| Item      | A    | Hole Size | Panel Thickness |
|-----------|------|-----------|-----------------|
| CLKH-2514 | .344 | .219      | .093            |
| CLKH-2362 | .344 | .219      | .125            |
| CLKH-2518 | .344 | .219      | .156            |
| CLKH-2519 | .344 | .219      | .187            |
| CLKH-2520 | .344 | .219      | .219            |

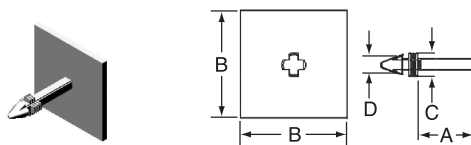
| Item      | A    | Hole Size | Panel Thickness |
|-----------|------|-----------|-----------------|
| CLKH-2521 | .344 | .219      | .250            |
| CLKH-2522 | .344 | .219      | .281            |
| CLKH-2523 | .344 | .219      | .312            |
| CLKH-2524 | .344 | .219      | .343            |
| CLKH-2525 | .344 | .219      | .375            |

(continued)



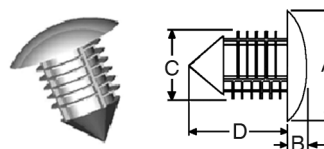
# Clips

## Christmas Tree Clips



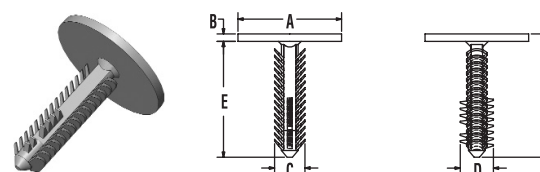
| Item        | A    | B     | C    | D    |
|-------------|------|-------|------|------|
| CLX-0734-SP | .590 | 1.250 | .270 | .230 |

.236 HOLE DIA  
.079-.236 PANEL THICKNESS



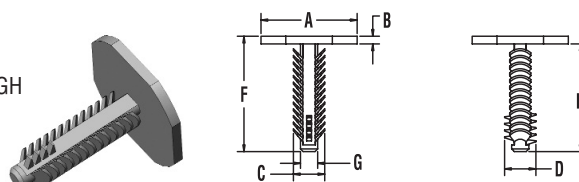
| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| CLX-0983-SGE | .470 | .100 | .260 | .470 |

ST50 = 50% NYLON 6/6, 50% SUPER TOUGH

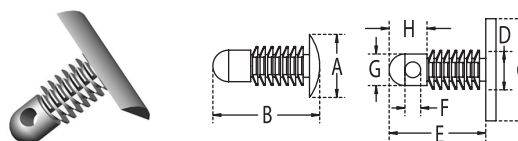


| Item                | A    | B    | C    | D    | E     | F     |
|---------------------|------|------|------|------|-------|-------|
| CLX-1923.1-RND-ST50 | .995 | .072 | .293 | .320 | 1.095 | 1.170 |

ST50 = 50% NYLON 6/6, 50% SUPER TOUGH



| Item          | A    | B    | C    | D    | E    | F     | G    |
|---------------|------|------|------|------|------|-------|------|
| CLX-1924-ST50 | .890 | .072 | .293 | .285 | .995 | 1.080 | .161 |



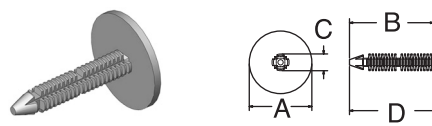
| Item     | A    | B    | C    | D    | E    | F    | G    | H    |
|----------|------|------|------|------|------|------|------|------|
| CLX-1343 | .500 | .847 | .810 | .308 | .766 | .125 | .250 | .300 |

.276 HOLE DIA  
.138-.710 PANEL THICKNESS

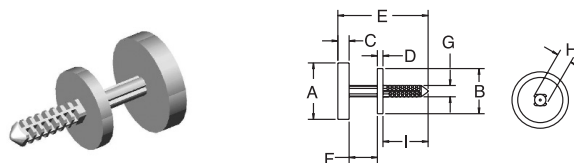


| Item         | A    | B    | C    | D     |
|--------------|------|------|------|-------|
| CLX-1989-RND | .750 | .060 | .290 | 1.070 |
| CLX-2191-RND | .750 | .060 | .312 | 1.070 |

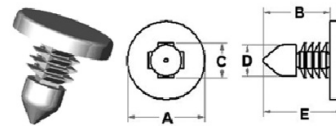
## Christmas Tree Clips (continued)



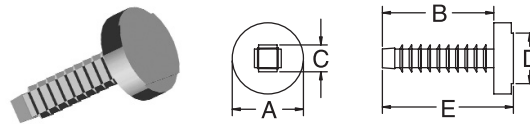
| Item         | A    | B     | C    | D     |
|--------------|------|-------|------|-------|
| CLX-1225-RND | .975 | 1.309 | .267 | 1.381 |
| CLX-2076-RND | .975 | 1.500 | .267 | 1.572 |



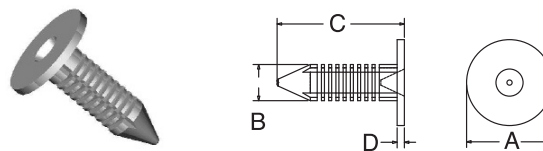
| Item        | A    | B    | C    | D    | E     | F    | G    | H    | I    |
|-------------|------|------|------|------|-------|------|------|------|------|
| CLX-1678-SP | .625 | .500 | .125 | .062 | 1.000 | .313 | .125 | .165 | .500 |
| CLX-2063-SP | .625 | .500 | .125 | .062 | 1.000 | .313 | .110 | .150 | .500 |



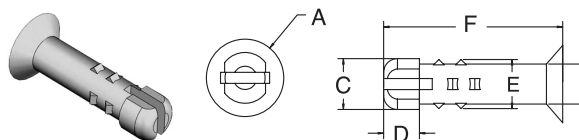
| Item         | A    | B    | C    | D    | E    |
|--------------|------|------|------|------|------|
| CLX-0931-SGE | .437 | .420 | .205 | .170 | .495 |



| Item        | A    | B    | C    | D    | E    |
|-------------|------|------|------|------|------|
| CLX-1216-SP | .345 | .560 | .180 | .250 | .650 |



| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| CLX-1176-DPL | .476 | .210 | .720 | .030 |

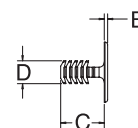
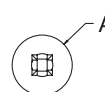


| Item         | A    | B    | C    | D    | E    | F    |
|--------------|------|------|------|------|------|------|
| CLX-1159-SGE | .340 | .180 | .225 | .165 | .220 | .805 |

(continued)



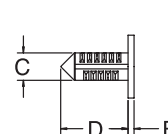
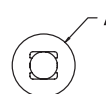
.281 HOLE DIA  
.093-.300 PANEL THICKNESS



## Christmas Tree Clips (continued)

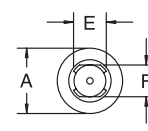
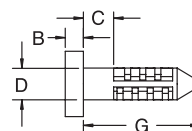
| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| CLX-1781-SGE | .625 | .042 | .375 | .310 |

.197 HOLE DIA  
.067-.315 PANEL THICKNESS

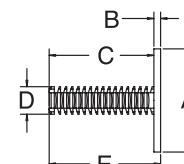
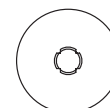
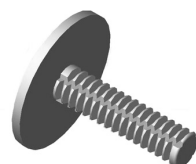


| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| CLX-1843-SGE | .430 | .041 | .197 | .502 |

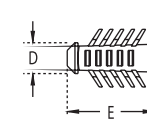
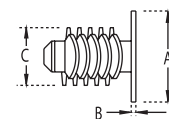
.118 HOLE DIA  
.069-.197 PANEL THICKNESS



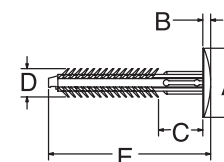
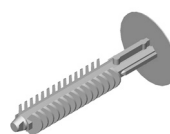
| Item         | A    | B    | C    | D    | E    | F    | G    |
|--------------|------|------|------|------|------|------|------|
| CLX-1679-SGE | .216 | .060 | .100 | .105 | .135 | .110 | .385 |



| Item         | A     | B    | C     | D    | E     |
|--------------|-------|------|-------|------|-------|
| CLX-1255-RND | .995  | .065 | .910  | .267 | .975  |
| CLX-1878-RND | 1.000 | .065 | 1.015 | .267 | 1.080 |



| Item          | A    | B    | C    | D    | E    |
|---------------|------|------|------|------|------|
| CLX-1981-STRT | .295 | .015 | .187 | .100 | .283 |

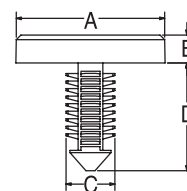
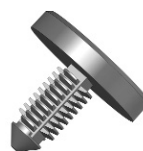


ST50 = 50% NYLON 6/6, 50% SUPER TOUGH

| Item              | A    | B    | C    | D    | E     |
|-------------------|------|------|------|------|-------|
| CLX-1860-SGE-ST50 | .700 | .080 | .400 | .295 | 1.650 |

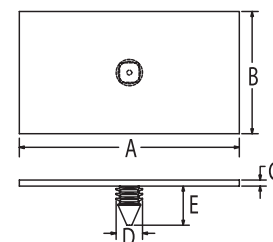
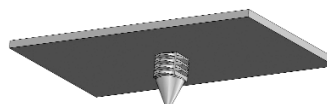
(continued)

## Christmas Tree Clips (continued)

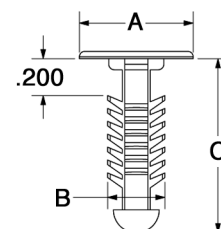
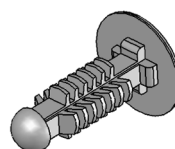


| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| CLX-2333-SGE | .990 | .185 | .324 | .715 |

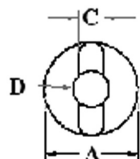
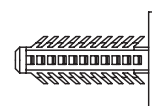
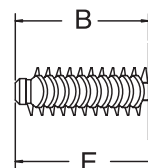
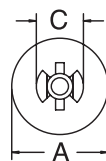
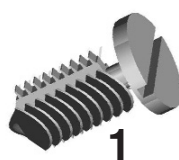
.250 HOLE DIA  
.030-.250 PANEL THICKNESS



| Item         | A     | B     | C    | D    | E    |
|--------------|-------|-------|------|------|------|
| CLX-2291-REC | 2.280 | 1.270 | .070 | .270 | .395 |



| Item         | A    | B    | C    |
|--------------|------|------|------|
| CLX-2489-SGE | .620 | .312 | .945 |



## Christmas Tree Clip and Connected Nut

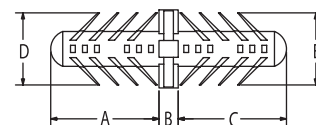
Push the Christmas Tree Clip into the Nut for easy assembly, and the nut is removed by simply unscrewing. For convenience, these two parts are connected and sold as one part.

| Item                | A    | B    | C    | D    | E    |
|---------------------|------|------|------|------|------|
| CLX-1167-TRIP-NUT 1 | .435 | .750 | .274 | .150 | .820 |
| CLX-1167-TRIP-NUT 2 | .560 | .350 | .115 | .250 | ---  |

(continued)

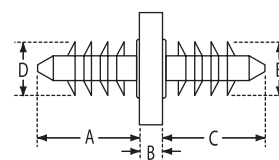
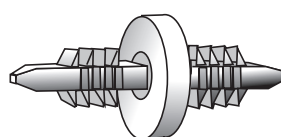


## Double Ended Christmas Tree Clips



CLX-1121-FIN

| "A Prong"   |           |                 |              |      | Center    | "C Prong"   |           |                 |              |      |
|-------------|-----------|-----------------|--------------|------|-----------|-------------|-----------|-----------------|--------------|------|
| Point Style | Hole Dia. | Panel Thickness | Prong Length |      | Thickness | Point Style | Hole Dia. | Panel Thickness | Prong Length |      |
|             |           |                 | A            | D    | B         |             |           |                 | C            | E    |
| BLUNT       | .250      | .020-.270       | .437         | .280 | .110      | BLUNT       | .250      | .020-.270       | .437         | .280 |

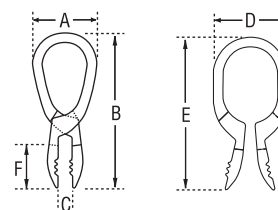


CLX-0378-DBE

| "A Prong"   |           |                 |              |      | Center    | "C Prong"   |           |                 |              |      |
|-------------|-----------|-----------------|--------------|------|-----------|-------------|-----------|-----------------|--------------|------|
| Point Style | Hole Dia. | Panel Thickness | Prong Length |      | Thickness | Point Style | Hole Dia. | Panel Thickness | Prong Length |      |
|             |           |                 | A            | D    | B         |             |           |                 | C            | E    |
| CONICAL     | .150-.162 | .105-.250       | .293-.317    | .163 | .063-.071 | CONICAL     | .150-.162 | .105-.250       | .293-.317    | .163 |

## Grip Clip

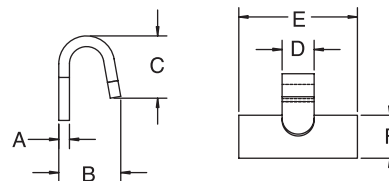
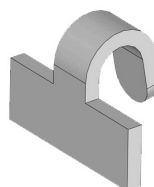
PS = Polystyrene



| Item        | A    | B     | C    | D    | E     | F    |
|-------------|------|-------|------|------|-------|------|
| CLG-0914-PS | .890 | 1.970 | .200 | .950 | 1.985 | .560 |

## Hook Clips

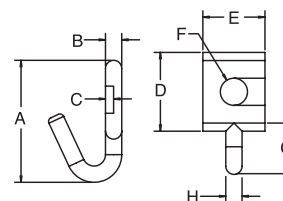
AC = Acetal



| Item        | A    | B    | C    | D    | E    | F    |
|-------------|------|------|------|------|------|------|
| CLK-1462-AC | .072 | .385 | .420 | .216 | .800 | .290 |

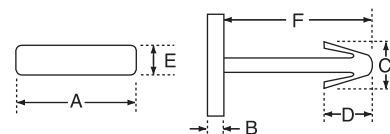
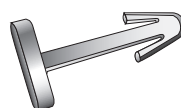


## Hook Clips (continued) AC = Acetal



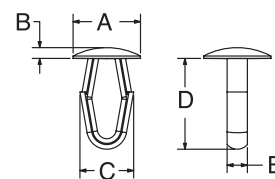
| Item        | A     | B    | C    | D    | E    | F    | G    | H    |
|-------------|-------|------|------|------|------|------|------|------|
| CLK-1686-AC | 1.200 | .160 | .080 | .775 | .611 | .267 | .585 | .150 |

## Security Clip



| Item     | A    | B    | C    | D    | E    | F    |
|----------|------|------|------|------|------|------|
| CLY-0997 | .375 | .070 | .205 | .220 | .160 | .590 |

## Drive Fastener AC = Acetal



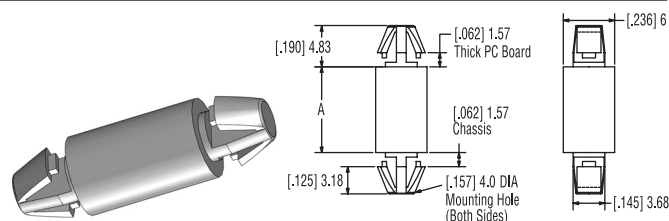
| Item        | Hole Size | Panel Thickness | A    | B    | C    | D    | E    |
|-------------|-----------|-----------------|------|------|------|------|------|
| FSD-1935-AC | .307      | .059-.275       | .551 | .087 | .415 | .748 | .166 |



# Metric PCB's, Screws & Nuts

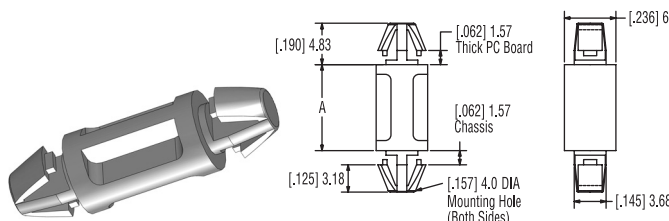
## Metric Locking Circuit Board Posts

| Item              | A (mm) | A (inch) |
|-------------------|--------|----------|
| PCBM-2294-LCK-RND | 4.0    | .157     |
| PCBM-2286-LCK-RND | 10.0   | .394     |



| Item              | A (mm) | A (inch) |
|-------------------|--------|----------|
| PCBM-2287-LCK-RND | 12.0   | .472     |
| PCBM-2288-LCK-RND | 14.0   | .551     |

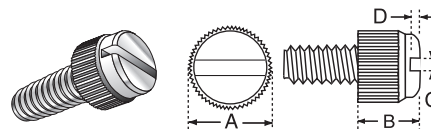
| Item          | A (mm) | A (inch) |
|---------------|--------|----------|
| PCBM-2293-LCK | 3.0    | .118     |
| PCBM-2342-LCK | 4.0    | .157     |
| PCBM-2295-LCK | 6.0    | .236     |
| PCBM-2296-LCK | 8.0    | .315     |
| PCBM-2339-LCK | 10.0   | .394     |



| Item          | A (mm) | A (inch) |
|---------------|--------|----------|
| PCBM-2340-LCK | 12.0   | .472     |
| PCBM-2341-LCK | 14.0   | .551     |
| PCBM-2297-LCK | 16.0   | .630     |
| PCBM-2298-LCK | 18.0   | .709     |

## Metric Economy Slotted Thumb

| Item              | Description      |
|-------------------|------------------|
| SC-M04-007-05-ETS | M4 X 0.7 X 5MM   |
| SC-M04-007-08-ETS | M4 X 0.7 X 8MM   |
| SC-M04-007-10-ETS | M4 X 0.7 X 10MM  |
| SC-M04-007-12-ETS | M4 X 0.7 X 12 MM |
| SC-M04-007-14-ETS | M4 X 0.7 X 14 MM |
| SC-M04-007-16-ETS | M4 X 0.7 X 16 MM |
| SC-M05-008-08-ETS | M5 X 0.8 X 8MM   |
| SC-M05-008-10-ETS | M5 X 0.8 X 10MM  |
| SC-M05-008-12-ETS | M5 X 0.8 X 12MM  |
| SC-M05-008-20-ETS | M5 X 0.8 X 20MM  |

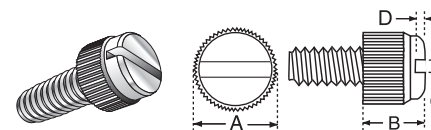


| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-ETS | M6 X 1.0 X 8MM  |
| SC-M06-100-12-ETS | M6 X 1.0 X 12MM |
| SC-M06-100-16-ETS | M6 X 1.0 X 16MM |
| SC-M06-100-20-ETS | M6 X 1.0 X 20MM |
| SC-M06-100-25-ETS | M6 X 1.0 X 25MM |
| SC-M06-100-30-ETS | M6 X 1.0 X 30MM |

| Thread Size | A    | B    | C    | D    |
|-------------|------|------|------|------|
| M4 X 0.7    | 8.26 | 6.1  | 1.15 | 1.53 |
| M5 X 0.8    | 8.9  | 6.86 | 1.27 | 1.79 |
| M6 X 1.0    | 12.2 | 9.4  | 1.53 | 2.29 |

## Special Metric Economy Slotted Thumb

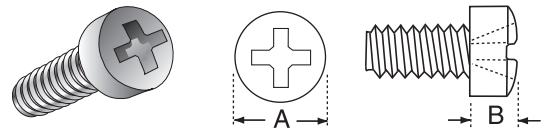
| Item                 | Description     |
|----------------------|-----------------|
| SC-M04-007-06-ETS-SP | M4 X 0.7 X 6MM  |
| SC-M04-007-10-ETS-SP | M4 X 0.7 X 10MM |
| SC-M04-007-20-ETS-SP | M4 X 0.7 X 20MM |
| SC-M05-008-08-ETS-SP | M5 X 0.8 X 8MM  |
| SC-M05-008-10-ETS-SP | M5 X 0.8 X 10MM |
| SC-M05-008-12-ETS-SP | M5 X 0.8 X 12MM |
| SC-M05-008-20-ETS-SP | M5 X 0.8 X 20MM |
| SC-M06-100-08-ETS-SP | M6 X 1.0 X 8MM  |
| SC-M06-100-12-ETS-SP | M6 X 1.0 X 12MM |



| Item                 | Description     |
|----------------------|-----------------|
| SC-M06-100-16-ETS-SP | M6 X 1.0 X 16MM |
| SC-M06-100-20-ETS-SP | M6 X 1.0 X 20MM |
| SC-M06-100-25-ETS-SP | M6 X 1.0 X 25MM |
| SC-M06-100-30-ETS-SP | M6 X 1.0 X 30MM |

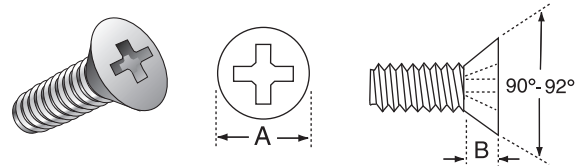
| Thread Size | A     | B    | C    | D    |
|-------------|-------|------|------|------|
| M4 X 0.7    | 9.4   | 6.99 | 1.02 | 1.53 |
| M5 X 0.8    | 10.16 | 7.75 | 1.27 | 1.78 |
| M6 X 1.0    | 12.2  | 7.75 | 1.02 | 1.78 |

# Metric PCB's, Screws & Nuts



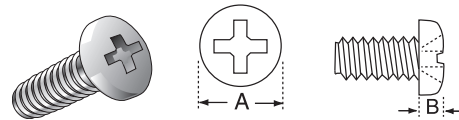
## Metric Phillips Fillister

| Item              | Description     |                                                                                                                      |  |  |             |   |   |          |      |      |
|-------------------|-----------------|----------------------------------------------------------------------------------------------------------------------|--|--|-------------|---|---|----------|------|------|
| SC-M04-007-05-PHF | M4 X 0.7 X 5MM  | <table><tr><th>Thread Size</th><th>A</th><th>B</th></tr><tr><td>M4 X 0.7</td><td>6.61</td><td>3.43</td></tr></table> |  |  | Thread Size | A | B | M4 X 0.7 | 6.61 | 3.43 |
| Thread Size       | A               |                                                                                                                      |  |  | B           |   |   |          |      |      |
| M4 X 0.7          | 6.61            |                                                                                                                      |  |  | 3.43        |   |   |          |      |      |
| SC-M04-007-08-PHF | M4 X 0.7 X 8MM  |                                                                                                                      |  |  |             |   |   |          |      |      |
| SC-M04-007-10-PHF | M4 X 0.7 X 10MM |                                                                                                                      |  |  |             |   |   |          |      |      |
| SC-M04-007-12-PHF | M4 X 0.7 X 12MM |                                                                                                                      |  |  |             |   |   |          |      |      |
| SC-M04-007-14-PHF | M4 X 0.7 X 14MM |                                                                                                                      |  |  |             |   |   |          |      |      |
| SC-M04-007-16-PHF | M4 X 0.7 X 16MM |                                                                                                                      |  |  |             |   |   |          |      |      |



## Metric Phillips Flat

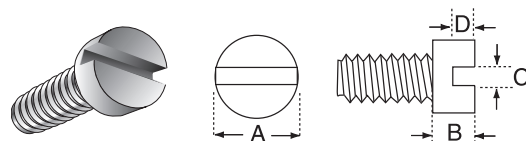
| Item              | Description      |                                                                                                                                                                            |             |   |   |            |      |      |          |      |      |  |  |
|-------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|---|------------|------|------|----------|------|------|--|--|
| SC-M25-045-08-PFL | M2.5 X .45 X 8MM | <table><tr><th>Thread Size</th><th>A</th><th>B</th></tr><tr><td>M2.5 X .45</td><td>5.08</td><td>1.50</td></tr><tr><td>M4 X 0.7</td><td>9.15</td><td>2.70</td></tr></table> | Thread Size | A | B | M2.5 X .45 | 5.08 | 1.50 | M4 X 0.7 | 9.15 | 2.70 |  |  |
| Thread Size       | A                |                                                                                                                                                                            | B           |   |   |            |      |      |          |      |      |  |  |
| M2.5 X .45        | 5.08             |                                                                                                                                                                            | 1.50        |   |   |            |      |      |          |      |      |  |  |
| M4 X 0.7          | 9.15             | 2.70                                                                                                                                                                       |             |   |   |            |      |      |          |      |      |  |  |
| SC-M04-007-06-PFL | M4 X 0.7 X 6MM   |                                                                                                                                                                            |             |   |   |            |      |      |          |      |      |  |  |
| SC-M04-007-10-PFL | M4 X 0.7 X 10MM  |                                                                                                                                                                            |             |   |   |            |      |      |          |      |      |  |  |



## Metric Phillips Pan

| Item              | Description     | Item              | Description     |
|-------------------|-----------------|-------------------|-----------------|
| SC-M02-004-10-PHP | M2 X 0.4 X 10MM | SC-M05-008-20-PHP | M5 X 0.8 X 20MM |
| SC-M03-005-05-PHP | M3 X 0.5 X 5MM  | SC-M06-100-08-PHP | M6 X 1.0 X 8MM  |
| SC-M03-005-06-PHP | M3 X 0.5 X 6MM  | SC-M06-100-12-PHP | M6 X 1.0 X 12MM |
| SC-M04-007-05-PHP | M4 X 0.7 X 5MM  | SC-M06-100-16-PHP | M6 X 1.0 X 16MM |
| SC-M04-007-08-PHP | M4 X 0.7 X 8MM  | SC-M06-100-20-PHP | M6 X 1.0 X 20MM |
| SC-M04-007-10-PHP | M4 X 0.7 X 10MM | SC-M06-100-25-PHP | M6 X 1.0 X 25MM |
| SC-M04-007-12-PHP | M4 X 0.7 X 12MM | SC-M06-100-30-PHP | M6 X 1.0 X 30MM |
| SC-M04-007-14-PHP | M4 X 0.7 X 14MM |                   |                 |
| SC-M04-007-16-PHP | M4 X 0.7 X 16MM |                   |                 |
| SC-M05-008-08-MHP | M5 X 0.8 X 8MM  |                   |                 |
| SC-M05-008-10-PHP | M5 X 0.8 X 10MM |                   |                 |
| SC-M05-008-12-PHP | M5 X 0.8 X 12MM |                   |                 |

| Thread Size | A     | B    |
|-------------|-------|------|
| M2 X 0.4    | 4.07  | 1.28 |
| M3 X 0.5    | 5.46  | 1.91 |
| M4 X 0.7    | 8.13  | 2.80 |
| M5 X 0.8    | 9.27  | 3.18 |
| M6 X 1.0    | 11.77 | 4.45 |



## Metric Slotted Cheese Head

| Item              | Description     |
|-------------------|-----------------|
| SC-M02-004-06-CSH | M2 X 0.4 X 6MM  |
| SC-M03-005-05-CSH | M3 X 0.5 X 5MM  |
| SC-M03-005-06-CSH | M3 X 0.5 X 6MM  |
| SC-M04-007-04-CSH | M4 X 0.7 X 4MM  |
| SC-M04-007-05-CSH | M4 X 0.7 X 5MM  |
| SC-M04-007-08-CSH | M4 X 0.7 X 8MM  |
| SC-M04-007-10-CSH | M4 X 0.7 X 10MM |
| SC-M04-007-12-CSH | M4 X 0.7 X 12MM |

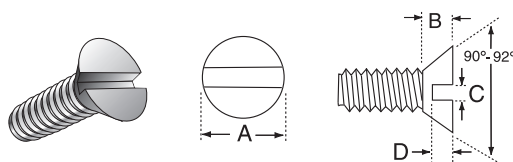
| Item              | Description     |
|-------------------|-----------------|
| SC-M04-007-14-CSH | M4 X 0.7 X 14MM |
| SC-M04-007-16-CSH | M4 X 0.7 X 16MM |
| SC-M06-100-30-CSH | M6 X 1.0 X 30MM |

| Thread Size | A    | B    | C    | D    |
|-------------|------|------|------|------|
| M2 X 0.4    | 3.8  | 1.3  | 0.70 | 0.90 |
| M3 X 0.6    | 5.51 | 2.01 | 1.0  | 1.3  |
| M4 X 0.7    | 7.00 | 2.67 | 1.02 | 1.65 |
| M6 X 1.0    | 9.78 | 3.81 | 1.40 | 2.03 |



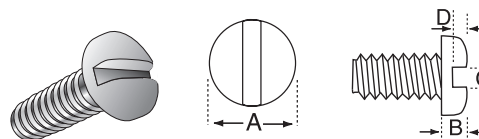
# Metric PCB's, Screws & Nuts

## Metric Slotted Flat



| Item              | Description      | Thread Size | A     | B    | C    | D    |
|-------------------|------------------|-------------|-------|------|------|------|
| SC-M05-008-13-F92 | M5 X 0.8 X 13 MM | M5 X 0.8    | 10.08 | 2.70 | 1.40 | 1.20 |
| SC-M05-008-20-F92 | M5 X 0.8 X 20 MM |             |       |      |      |      |

## Metric Slotted Pan



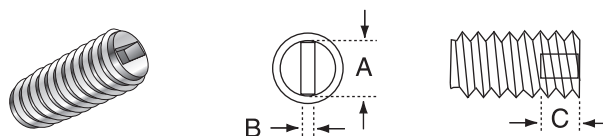
| Item                 | Description     |
|----------------------|-----------------|
| SC-M03-005-05-PAN    | M3 X 0.5 X 5MM  |
| SC-M03-005-06-PAN    | M3 X 0.5 X 6MM  |
| SC-M04-007-05-PAN    | M4 X 0.7 X 5MM  |
| SC-M04-007-08-PAN    | M4 X 0.7 X 8MM  |
| SC-M04-007-10-PAN    | M4 X 0.7 X 10MM |
| SC-M04-007-12-PAN    | M4 X 0.7 X 12MM |
| SC-M04-007-14-PAN    | M4 X 0.7 X 14MM |
| SC-M04-007-16-PAN    | M4 X 0.7 X 16MM |
| SC-M05-008-08-PAN-SP | M5 X 0.8 X 8MM  |
| SC-M05-008-10-PAN-SP | M5 X 0.8 X 10MM |
| SC-M05-008-12-PAN-SP | M5 X 0.8 X 12MM |
| SC-M05-008-20-PAN-SP | M5 X 0.8 X 20MM |
| SC-M06-100-08-PAN    | M6 X 1.0 X 8MM  |

| Item              | Description      |
|-------------------|------------------|
| SC-M06-100-12-PAN | M6 X 1.0 X 12MM  |
| SC-M06-100-16-PAN | M6 X 1.0 X 16MM  |
| SC-M06-100-20-PAN | M6 X 1.0 X 20MM  |
| SC-M06-100-25-PAN | M6 X 1.0 X 25MM  |
| SC-M06-100-30-PAN | M6 X 1.0 X 30MM  |
| SC-M08-125-10-PAN | M8 X 1.25 X 10MM |
| SC-M10-150-16-PAN | M10 X 1.5 X 16MM |

| Thread Size | A     | B    | C    | D    |
|-------------|-------|------|------|------|
| M3 X 0.5    | 5.46  | 1.7  | 0.89 | 0.7  |
| M4 X 0.7    | 8.01  | 2.29 | 1.30 | 1.33 |
| M5 X 0.8    | 9.83  | 2.92 | 1.40 | 1.30 |
| M6 X 1.0    | 11.74 | 3.46 | 1.76 | 1.48 |
| M8 X 1.25   | 15.7  | 4.65 | 2.11 | 2.03 |
| M10 X 1.50  | 15.5  | 5.72 | 2.16 | 2.92 |

## Metric Slotted Set Grub



| Item              | Description     |
|-------------------|-----------------|
| SC-M04-007-05-SSG | M4 X 0.7 X 5MM  |
| SC-M04-007-08-SSG | M4 X 0.7 X 8MM  |
| SC-M04-007-10-SSG | M4 X 0.7 X 10MM |
| SC-M04-007-12-SSG | M4 X 0.7 X 12MM |
| SC-M04-007-14-SSG | M4 X 0.7 X 14MM |
| SC-M04-007-16-SSG | M4 X 0.7 X 16MM |
| SC-M05-008-08-SSG | M5 X 0.8 X 8MM  |
| SC-M05-008-10-SSG | M5 X 0.8 X 10MM |
| SC-M05-008-12-SSG | M5 X 0.8 X 12MM |
| SC-M05-008-20-SSG | M5 X 0.8 X 20MM |
| SC-M06-100-06-SSG | M6 X 1.0 X 6MM  |
| SC-M06-100-08-SSG | M6 X 1.0 X 8MM  |
| SC-M06-100-12-SSG | M6 X 1.0 X 12MM |

| Item              | Description      |
|-------------------|------------------|
| SC-M06-100-16-SSG | M6 X 1.0 X 16MM  |
| SC-M06-100-20-SSG | M6 X 1.0 X 20MM  |
| SC-M06-100-25-SSG | M6 X 1.0 X 25MM  |
| SC-M06-100-30-SSG | M6 X 1.0 X 30MM  |
| SC-M08-125-10-SSG | M8 X 1.25 X 10MM |
| SC-M08-125-20-SSG | M8 X 1.25 X 20MM |
| SC-M08-125-25-SSG | M8 X 1.25 X 25MM |

| Thread Size | A    | B    | C    |
|-------------|------|------|------|
| M4 X 0.7    | 2.67 | 0.77 | 0.89 |
| M5 X 0.8    | 3.3  | 0.89 | 1.15 |
| M6 X 1.0    | 4.10 | 1.0  | 1.5  |
| M8 X 1.25   | 5.21 | 1.6  | 2.24 |

## Metric Studs

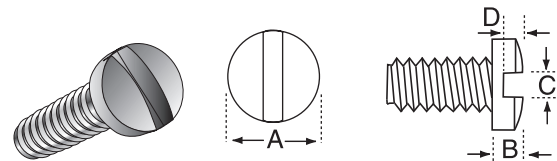
| Item               | Description     | A    |
|--------------------|-----------------|------|
| SC-M02-004-10-STUD | M2 X 0.4 X 10MM | 10MM |
| SC-M03-005-05-STUD | M3 X 0.5 X 5MM  | 5MM  |
| SC-M03-005-06-STUD | M3 X 0.5 X 6MM  | 6MM  |
| SC-M04-007-05-STUD | M4 X 0.7 X 5MM  | 5MM  |
| SC-M04-007-08-STUD | M4 X 0.7 X 8MM  | 8MM  |
| SC-M04-007-10-STUD | M4 X 0.7 X 10MM | 10MM |
| SC-M04-007-12-STUD | M4 X 0.7 X 12MM | 12MM |
| SC-M04-007-14-STUD | M4 X 0.7 X 14MM | 14MM |
| SC-M04-007-16-STUD | M4 X 0.7 X 16MM | 16MM |
| SC-M05-008-08-STUD | M5 X 0.8 X 8MM  | 8MM  |
| SC-M05-008-10-STUD | M5 X 0.8 X 10MM | 10MM |
| SC-M05-008-12-STUD | M5 X 0.8 X 12MM | 12MM |



| Item               | Description      | A    |
|--------------------|------------------|------|
| SC-M05-008-20-STUD | M5 X 0.8 X 20MM  | 20MM |
| SC-M06-100-06-STUD | M6 X 1.0 X 6MM   | 6MM  |
| SC-M06-100-08-STUD | M6 X 1.0 X 8MM   | 8MM  |
| SC-M06-100-12-STUD | M6 X 1.0 X 12MM  | 12MM |
| SC-M06-100-16-STUD | M6 X 1.0 X 16MM  | 16MM |
| SC-M06-100-20-STUD | M6 X 1.0 X 20MM  | 20MM |
| SC-M06-100-25-STUD | M6 X 1.0 X 25MM  | 25MM |
| SC-M06-100-30-STUD | M6 X 1.0 X 30MM  | 30MM |
| SC-M08-125-10-STUD | M8 X 1.25 X 10MM | 10MM |
| SC-M08-125-20-STUD | M8 X 1.25 X 20MM | 20MM |
| SC-M08-125-25-STUD | M8 X 1.25 X 25MM | 25MM |
| SC-M10-150-16-STUD | M10 X 1.5 X 16MM | 16MM |

## Metric Slotted Binding

| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-BIN | M3 X 0.5 X 5MM  |
| SC-M03-005-06-BIN | M3 X 0.5 X 6MM  |
| SC-M04-007-05-BIN | M4 X 0.7 X 5MM  |
| SC-M04-007-08-BIN | M4 X 0.7 X 8MM  |
| SC-M04-007-10-BIN | M4 X 0.7 X 10MM |
| SC-M04-007-12-BIN | M4 X 0.7 X 12MM |
| SC-M04-007-14-BIN | M4 X 0.7 X 14MM |
| SC-M04-007-16-BIN | M4 X 0.7 X 16MM |
| SC-M05-008-08-BIN | M5 X 0.8 X 8MM  |
| SC-M05-008-10-BIN | M5 X 0.8 X 10MM |
| SC-M05-008-12-BIN | M5 X 0.8 X 12MM |
| SC-M05-008-20-BIN | M5 X 0.8 X 20MM |

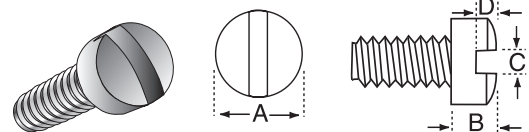


| THREAD SIZE | A     | B    | C    | D    |
|-------------|-------|------|------|------|
| M3 X 0.5    | 5.84  | 1.65 | 0.89 | 0.89 |
| M4 X 0.7    | 8.51  | 2.54 | 1.27 | 1.40 |
| M5 X 0.8    | 9.66  | 3.05 | 1.40 | 1.78 |
| M6 X 1.0    | 13.08 | 3.94 | 1.65 | 2.41 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-BIN | M6 X 1.0 X 8MM  |
| SC-M06-100-12-BIN | M6 X 1.0 X 12MM |
| SC-M06-100-16-BIN | M6 X 1.0 X 16MM |
| SC-M06-100-20-BIN | M6 X 1.0 X 20MM |
| SC-M06-100-25-BIN | M6 X 1.0 X 25MM |
| SC-M06-100-30-BIN | M6 X 1.0 X 30MM |

## Metric Slotted Fillister

| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-FIL | M3 X 0.5 X 5MM  |
| SC-M03-005-06-FIL | M3 X 0.5 X 6MM  |
| SC-M04-007-05-FIL | M4 X 0.7 X 5MM  |
| SC-M04-007-08-FIL | M4 X 0.7 X 8MM  |
| SC-M04-007-10-FIL | M4 X 0.7 X 10MM |
| SC-M04-007-12-FIL | M4 X 0.7 X 12MM |
| SC-M04-007-14-FIL | M4 X 0.7 X 14MM |
| SC-M04-007-16-FIL | M4 X 0.7 X 16MM |
| SC-M05-008-08-FIL | M5 X 0.8 X 8MM  |
| SC-M05-008-10-FIL | M5 X 0.8 X 10MM |
| SC-M05-008-12-FIL | M5 X 0.8 X 12MM |
| SC-M05-008-20-FIL | M5 X 0.8 X 20MM |



| THREAD SIZE | A     | B    | C    | D    |
|-------------|-------|------|------|------|
| M3 X 0.5    | 4.57  | 2.54 | 0.64 | 1.02 |
| M4 X 0.7    | 6.60  | 3.68 | 1.27 | 1.52 |
| M5 X 0.8    | 7.63  | 4.19 | 1.14 | 1.78 |
| M6 X 1.0    | 10.16 | 5.85 | 1.40 | 2.41 |

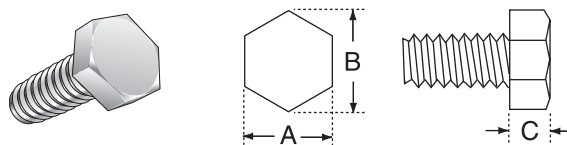
| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-FIL | M6 X 1.0 X 8MM  |
| SC-M06-100-12-FIL | M6 X 1.0 X 12MM |
| SC-M06-100-16-FIL | M6 X 1.0 X 16MM |
| SC-M06-100-20-FIL | M6 X 1.0 X 20MM |
| SC-M06-100-25-FIL | M6 X 1.0 X 25MM |
| SC-M06-100-30-FIL | M6 X 1.0 X 30MM |



# Metric PCB's, Screws & Nuts

## Metric Machine Hex

| Item             | Description     |
|------------------|-----------------|
| SC-M03-005-05-MH | M3 X 0.5 X 5MM  |
| SC-M03-005-06-MH | M3 X 0.5 X 6MM  |
| SC-M04-007-05-MH | M4 X 0.7 X 5MM  |
| SC-M04-007-08-MH | M4 X 0.7 X 8MM  |
| SC-M04-007-10-MH | M4 X 0.7 X 10MM |
| SC-M04-007-12-MH | M4 X 0.7 X 12MM |
| SC-M04-007-14-MH | M4 X 0.7 X 14MM |
| SC-M04-007-16-MH | M4 X 0.7 X 16MM |
| SC-M05-008-08-MH | M5 X 0.8 X 8MM  |
| SC-M05-008-10-MH | M5 X 0.8 X 10MM |
| SC-M05-008-12-MH | M5 X 0.8 X 12MM |
| SC-M05-008-20-MH | M5 X 0.8 X 20MM |

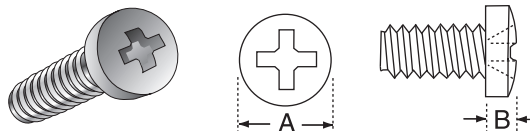


| THREAD SIZE | A    | REF. B | C    |
|-------------|------|--------|------|
| M3 X 0.5    | 4.70 | 5.33   | 1.40 |
| M4 X 0.7    | 6.35 | 7.11   | 2.54 |
| M5 X 0.8    | 7.87 | 8.64   | 2.80 |
| M6 X 1.0    | 9.40 | 10.39  | 4.70 |

| Item             | Description     |
|------------------|-----------------|
| SC-M06-100-08-MH | M6 X 1.0 X 8MM  |
| SC-M06-100-12-MH | M6 X 1.0 X 12MM |
| SC-M06-100-16-MH | M6 X 1.0 X 16MM |
| SC-M06-100-20-MH | M6 X 1.0 X 20MM |
| SC-M06-100-25-MH | M6 X 1.0 X 25MM |
| SC-M06-100-30-MH | M6 X 1.0 X 30MM |

## Metric Phillips Binding

| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-PHB | M3 X 0.5 X 5MM  |
| SC-M03-005-06-PHB | M3 X 0.5 X 6MM  |
| SC-M04-007-05-PHB | M4 X 0.7 X 5MM  |
| SC-M04-007-08-PHB | M4 X 0.7 X 8MM  |
| SC-M04-007-10-PHB | M4 X 0.7 X 10MM |
| SC-M04-007-12-PHB | M4 X 0.7 X 12MM |
| SC-M04-007-14-PHB | M4 X 0.7 X 14MM |
| SC-M04-007-16-PHB | M4 X 0.7 X 16MM |
| SC-M05-008-08-PHB | M5 X 0.8 X 8MM  |
| SC-M05-008-10-PHB | M5 X 0.8 X 10MM |
| SC-M05-008-12-PHB | M5 X 0.8 X 12MM |
| SC-M05-008-20-PHB | M5 X 0.8 X 20MM |

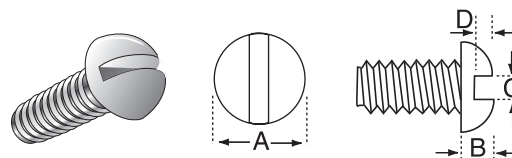


| THREAD SIZE | A     | B    |
|-------------|-------|------|
| M3 X 0.5    | 5.82  | 1.65 |
| M4 X 0.7    | 8.51  | 2.54 |
| M5 X 0.8    | 9.88  | 2.97 |
| M6 X 1.0    | 12.99 | 4.01 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-PHB | M6 X 1.0 X 8MM  |
| SC-M06-100-12-PHB | M6 X 1.0 X 12MM |
| SC-M06-100-16-PHB | M6 X 1.0 X 16MM |
| SC-M06-100-20-PHB | M6 X 1.0 X 20MM |
| SC-M06-100-25-PHB | M6 X 1.0 X 25MM |
| SC-M06-100-30-PHB | M6 X 1.0 X 30MM |

## Metric Slotted Round

| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-RND | M3 X 0.5 X 5MM  |
| SC-M03-005-06-RND | M3 X 0.5 X 6MM  |
| SC-M04-007-05-RND | M4 X 0.7 X 5MM  |
| SC-M04-007-08-RND | M4 X 0.7 X 8MM  |
| SC-M04-007-10-RND | M4 X 0.7 X 10MM |
| SC-M04-007-12-RND | M4 X 0.7 X 12MM |
| SC-M04-007-14-RND | M4 X 0.7 X 14MM |
| SC-M04-007-16-RND | M4 X 0.7 X 16MM |
| SC-M05-008-08-RND | M5 X 0.8 X 8MM  |
| SC-M05-008-10-RND | M5 X 0.8 X 10MM |
| SC-M05-008-12-RND | M5 X 0.8 X 12MM |
| SC-M05-008-20-RND | M5 X 0.8 X 20MM |

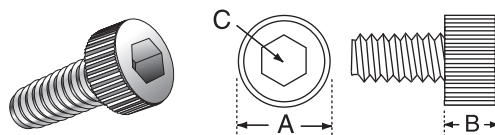


| THREAD SIZE | A     | B    | C    | D    |
|-------------|-------|------|------|------|
| M3 X 0.5    | 5.21  | 2.03 | 0.89 | 1.27 |
| M4 X 0.7    | 7.37  | 2.79 | 1.27 | 1.65 |
| M5 X 0.8    | 8.64  | 3.30 | 1.40 | 1.91 |
| M6 X 1.0    | 11.44 | 4.07 | 1.78 | 2.29 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-RND | M6 X 1.0 X 8MM  |
| SC-M06-100-12-RND | M6 X 1.0 X 12MM |
| SC-M06-100-16-RND | M6 X 1.0 X 16MM |
| SC-M06-100-20-RND | M6 X 1.0 X 20MM |
| SC-M06-100-25-RND | M6 X 1.0 X 25MM |
| SC-M06-100-30-RND | M6 X 1.0 X 30MM |



## Metric Socket Head Cap

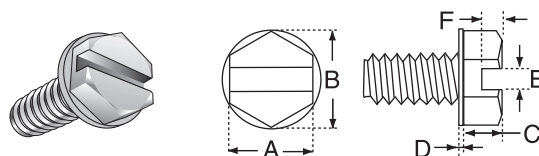


| Item              | Smooth | Fine | Coarse | Description     |
|-------------------|--------|------|--------|-----------------|
| SC-M03-005-05-SHC | X      | X    | X      | M3 X 0.5 X 5MM  |
| SC-M03-005-06-SHC | X      | X    | X      | M3 X 0.5 X 6MM  |
| SC-M04-007-05-SHC | X      | X    | X      | M4 X 0.7 X 5MM  |
| SC-M04-007-08-SHC | X      | X    | X      | M4 X 0.7 X 8MM  |
| SC-M04-007-10-SHC | X      | X    | X      | M4 X 0.7 X 10MM |
| SC-M04-007-12-SHC | X      | X    | X      | M4 X 0.7 X 12MM |
| SC-M04-007-14-SHC | X      | X    | X      | M4 X 0.7 X 14MM |
| SC-M04-007-16-SHC | X      | X    | X      | M4 X 0.7 X 16MM |
| SC-M05-008-08-SHC | X      | X    | X      | M5 X 0.8 X 8MM  |
| SC-M05-008-10-SHC | X      | X    | X      | M5 X 0.8 X 10MM |
| SC-M05-008-12-SHC | X      | X    | X      | M5 X 0.8 X 12MM |
| SC-M05-008-20-SHC | X      | X    | X      | M5 X 0.8 X 20MM |

| THREAD SIZE                 | A    | B    | C    | HEX DEPTH |
|-----------------------------|------|------|------|-----------|
| M3 X 0.5 SMOOTH/FINE/COARSE | 4.57 | 2.80 | 2.39 | 1.30      |
| M4 X 0.7 SMOOTH/FINE/COARSE | 6.73 | 4.11 | 3.58 | 1.96      |
| M5 X 0.8 SMOOTH/FINE/COARSE | 7.93 | 4.83 | 3.96 | 2.29      |
| M6 X 1.0 SMOOTH/FINE/COARSE | 9.27 | 6.22 | 4.78 | 3.05      |

| Item              | Smooth | Fine | Coarse | Description     |
|-------------------|--------|------|--------|-----------------|
| SC-M06-100-08-SHC | X      | X    | X      | M6 X 1.0 X 8MM  |
| SC-M06-100-12-SHC | X      | X    | X      | M6 X 1.0 X 12MM |
| SC-M06-100-20-SHC | X      | X    | X      | M6 X 1.0 X 20MM |
| SC-M06-100-25-SHC | X      | X    | X      | M6 X 1.0 X 25MM |
| SC-M06-100-30-SHC | X      | X    | X      | M6 X 1.0 X 30MM |

## Metric Slotted Hex Washer

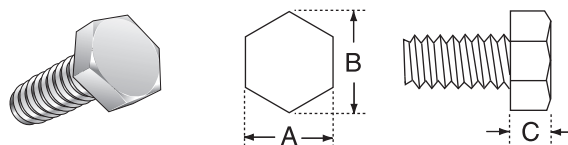


| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-SHW | M3 X 0.5 X 5MM  |
| SC-M03-005-06-SHW | M3 X 0.5 X 6MM  |
| SC-M04-007-05-SHW | M4 X 0.7 X 5MM  |
| SC-M04-007-08-SHW | M4 X 0.7 X 8MM  |
| SC-M04-007-10-SHW | M4 X 0.7 X 10MM |
| SC-M04-007-12-SHW | M4 X 0.7 X 12MM |
| SC-M04-007-14-SHW | M4 X 0.7 X 14MM |
| SC-M04-007-16-SHW | M4 X 0.7 X 16MM |
| SC-M05-008-08-SHW | M5 X 0.8 X 8MM  |
| SC-M05-008-10-SHW | M5 X 0.8 X 10MM |
| SC-M05-008-12-SHW | M5 X 0.8 X 12MM |
| SC-M05-008-20-SHW | M5 X 0.8 X 20MM |

| THREAD SIZE | A    | REF. B | C    | D    | E    | F    |
|-------------|------|--------|------|------|------|------|
| M3 X 0.5    | 4.75 | 5.97   | 1.52 | 0.38 | 0.89 | 0.89 |
| M4 X 0.7    | 6.23 | 8.38   | 2.54 | 0.64 | 1.14 | 1.65 |
| M5 X 0.8    | 7.82 | 8.64   | 2.84 | 0.89 | 1.40 | 1.73 |
| M6 X 1.0    | 9.43 | 12.70  | 4.60 | 1.27 | 1.75 | 2.34 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-SHW | M6 X 1.0 X 8MM  |
| SC-M06-100-12-SHW | M6 X 1.0 X 12MM |
| SC-M06-100-16-SHW | M6 X 1.0 X 16MM |
| SC-M06-100-20-SHW | M6 X 1.0 X 20MM |
| SC-M06-100-25-SHW | M6 X 1.0 X 25MM |
| SC-M06-100-30-SHW | M6 X 1.0 X 30MM |

## Metric Hex Cap



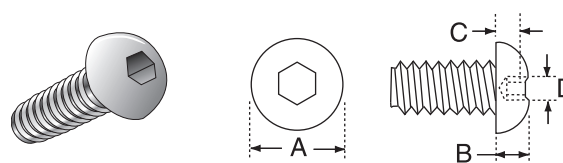
| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-HEX | M6 X 1.0 X 8MM  |
| SC-M06-100-12-HEX | M6 X 1.0 X 12MM |
| SC-M06-100-16-HEX | M6 X 1.0 X 16MM |
| SC-M06-100-20-HEX | M6 X 1.0 X 20MM |
| SC-M06-100-25-HEX | M6 X 1.0 X 25MM |
| SC-M06-100-30-HEX | M6 X 1.0 X 30MM |

| THREAD SIZE | A     | REF. B | C    |
|-------------|-------|--------|------|
| M6 X 1.0    | 10.93 | 12.70  | 4.45 |



# Metric PCB's, Screws & Nuts

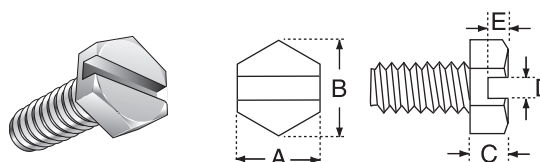
## Metric Button Head Socket



| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-BHS | M6 X 1.0 X 8MM  |
| SC-M06-100-12-BHS | M6 X 1.0 X 12MM |
| SC-M06-100-16-BHS | M6 X 1.0 X 16MM |
| SC-M06-100-20-BHS | M6 X 1.0 X 20MM |
| SC-M06-100-25-BHS | M6 X 1.0 X 25MM |
| SC-M06-100-30-BHS | M6 X 1.0 X 30MM |

| THREAD SIZE | A<br>HEAD<br>DIAMETER | B<br>HEAD<br>HEIGHT | C<br>HEAD SIDE<br>HEIGHT | D<br>HEAD SOCKET<br>SIZE | KEY<br>ENGAGEMENT |
|-------------|-----------------------|---------------------|--------------------------|--------------------------|-------------------|
| M6 X 1.0    | 10.64-11.10           | 3.10-3.35           | 0.79                     | 3.96                     | 2.21              |

## Metric Slotted Machine Hex

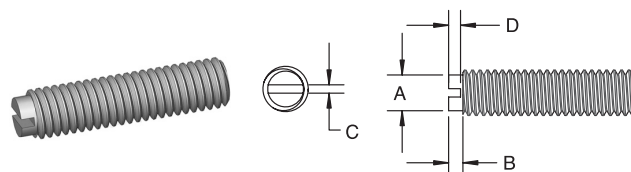


| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-SMH | M3 X 0.5 X 5MM  |
| SC-M03-005-06-SMH | M3 X 0.5 X 6MM  |
| SC-M04-007-05-SMH | M4 X 0.7 X 5MM  |
| SC-M04-007-08-SMH | M4 X 0.7 X 8MM  |
| SC-M04-007-10-SMH | M4 X 0.7 X 10MM |
| SC-M04-007-12-SMH | M4 X 0.7 X 12MM |
| SC-M04-007-14-SMH | M4 X 0.7 X 14MM |
| SC-M04-007-16-SMH | M4 X 0.7 X 16MM |
| SC-M05-008-08-SMH | M5 X 0.8 X 8MM  |
| SC-M05-008-10-SMH | M5 X 0.8 X 10MM |
| SC-M05-008-12-SMH | M5 X 0.8 X 12MM |
| SC-M05-008-20-SMH | M5 X 0.8 X 20MM |

| THREAD SIZE | A    | REF. B | C    | D    | E    |
|-------------|------|--------|------|------|------|
| M3 X 0.5    | 4.70 | 5.13   | 1.40 | 0.89 | 0.89 |
| M4 X 0.7    | 6.35 | 6.91   | 2.54 | 1.27 | 1.40 |
| M5 X 0.8    | 7.87 | 8.64   | 2.80 | 1.40 | 1.65 |
| M6 X 1.0    | 9.40 | 10.39  | 4.70 | 1.78 | 2.29 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-SMH | M6 X 1.0 X 8MM  |
| SC-M06-100-12-SMH | M6 X 1.0 X 12MM |
| SC-M06-100-16-SMH | M6 X 1.0 X 16MM |
| SC-M06-100-20-SMH | M6 X 1.0 X 20MM |
| SC-M06-100-25-SMH | M6 X 1.0 X 25MM |
| SC-M06-100-30-SMH | M6 X 1.0 X 30MM |

## Metric Slotted Set



| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-SLS | M3 X 0.5 X 5MM  |
| SC-M03-005-06-SLS | M3 X 0.5 X 6MM  |
| SC-M04-007-05-SLS | M4 X 0.7 X 5MM  |
| SC-M04-007-08-SLS | M4 X 0.7 X 8MM  |
| SC-M04-007-10-SLS | M4 X 0.7 X 10MM |
| SC-M04-007-12-SLS | M4 X 0.7 X 12MM |
| SC-M04-007-14-SLS | M4 X 0.7 X 14MM |
| SC-M04-007-16-SLS | M4 X 0.7 X 16MM |
| SC-M05-008-08-SLS | M5 X 0.8 X 8MM  |
| SC-M05-008-10-SLS | M5 X 0.8 X 10MM |
| SC-M05-008-12-SLS | M5 X 0.8 X 12MM |
| SC-M05-008-20-SLS | M5 X 0.8 X 20MM |

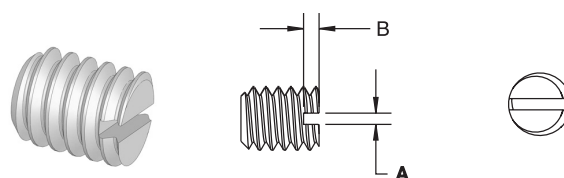
| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| M3 X 0.5    | 1.91 | 1.14 | 0.51 | 0.64 |
| M4 X 0.7    | 3.05 | 1.40 | 0.71 | 0.89 |
| M5 X 0.8    | 3.81 | 1.53 | 0.89 | 1.27 |
| M6 X 1.0    | 4.45 | 2.03 | 1.02 | 1.53 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-SLS | M6 X 1.0 X 8MM  |
| SC-M06-100-12-SLS | M6 X 1.0 X 12MM |
| SC-M06-100-16-SLS | M6 X 1.0 X 16MM |
| SC-M06-100-20-SLS | M6 X 1.0 X 20MM |
| SC-M06-100-25-SLS | M6 X 1.0 X 25MM |
| SC-M06-100-30-SLS | M6 X 1.0 X 30MM |

# Metric PCB's, Screws & Nuts

## Metric Special Slotted Set

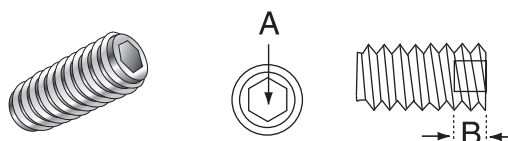
| Item                 | Description    |
|----------------------|----------------|
| SC-M10-150-70-SLS-SP | M10 X 1.5 X 70 |



| THREAD SIZE | A   | B   |
|-------------|-----|-----|
| M10 X 1.5   | 1.5 | 2.0 |

## Metric Socket Set

| Item             | Description     |
|------------------|-----------------|
| SC-M03-005-05-SS | M3 X 0.5 X 5MM  |
| SC-M03-005-06-SS | M3 X 0.5 X 6MM  |
| SC-M04-007-05-SS | M4 X 0.7 X 5MM  |
| SC-M04-007-08-SS | M4 X 0.7 X 8MM  |
| SC-M04-007-10-SS | M4 X 0.7 X 10MM |
| SC-M04-007-12-SS | M4 X 0.7 X 12MM |
| SC-M04-007-14-SS | M4 X 0.7 X 14MM |
| SC-M04-007-16-SS | M4 X 0.7 X 16MM |
| SC-M05-008-08-SS | M5 X 0.8 X 8MM  |
| SC-M05-008-10-SS | M5 X 0.8 X 10MM |
| SC-M05-008-12-SS | M5 X 0.8 X 12MM |
| SC-M05-008-20-SS | M5 X 0.8 X 20MM |

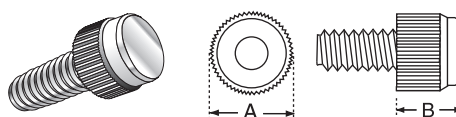


| THREAD SIZE | A    | B    |
|-------------|------|------|
| M3 X 0.5    | 1.27 | 1.78 |
| M4 X 0.7    | 1.99 | 2.29 |
| M5 X 0.8    | 2.39 | 2.54 |
| M6 X 1.0    | 3.18 | 3.18 |

| Item             | Description     |
|------------------|-----------------|
| SC-M06-100-08-SS | M6 X 1.0 X 8MM  |
| SC-M06-100-12-SS | M6 X 1.0 X 12MM |
| SC-M06-100-16-SS | M6 X 1.0 X 16MM |
| SC-M06-100-20-SS | M6 X 1.0 X 20MM |
| SC-M06-100-25-SS | M6 X 1.0 X 25MM |
| SC-M06-100-30-SS | M6 X 1.0 X 30MM |

## Metric Unslotted Economy Thumb

| Item               | Description     |
|--------------------|-----------------|
| SC-M04-007-05-ETSU | M4 X 0.7 X 5MM  |
| SC-M04-007-08-ETSU | M4 X 0.7 X 8MM  |
| SC-M04-007-10-ETSU | M4 X 0.7 X 10MM |
| SC-M04-007-12-ETSU | M4 X 0.7 X 12MM |
| SC-M04-007-14-ETSU | M4 X 0.7 X 14MM |
| SC-M04-007-16-ETSU | M4 X 0.7 X 16MM |
| SC-M05-008-08-ETSU | M5 X 0.8 X 8MM  |
| SC-M05-008-10-ETSU | M5 X 0.8 X 10MM |
| SC-M05-008-12-ETSU | M5 X 0.8 X 12MM |
| SC-M05-008-20-ETSU | M5 X 0.8 X 20MM |
| SC-M06-100-08-ETSU | M6 X 1.0 X 8MM  |



| THREAD SIZE | A     | B    |
|-------------|-------|------|
| M4 X 0.7    | 8.26  | 6.10 |
| M5 X 0.8    | 8.90  | 6.60 |
| M6 X 1.0    | 12.20 | 9.40 |

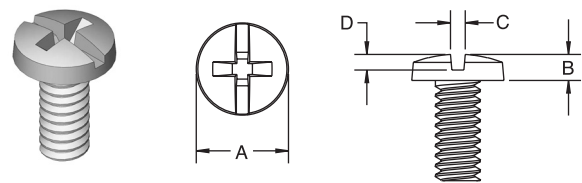
| Item               | Description     |
|--------------------|-----------------|
| SC-M06-100-12-ETSU | M6 X 1.0 X 12MM |
| SC-M06-100-16-ETSU | M6 X 1.0 X 16MM |
| SC-M06-100-20-ETSU | M6 X 1.0 X 20MM |
| SC-M06-100-25-ETSU | M6 X 1.0 X 25MM |
| SC-M06-100-30-ETSU | M6 X 1.0 X 30MM |



# Metric PCB's, Screws & Nuts

## Metric Binding Combo Drive

| Item              | Description     |
|-------------------|-----------------|
| SC-M03-005-05-BNC | M3 X 0.5 X 5MM  |
| SC-M03-005-06-BNC | M3 X 0.5 X 6MM  |
| SC-M04-007-05-BNC | M4 X 0.7 X 5MM  |
| SC-M04-007-08-BNC | M4 X 0.7 X 8MM  |
| SC-M04-007-10-BNC | M4 X 0.7 X 10MM |
| SC-M04-007-12-BNC | M4 X 0.7 X 12MM |
| SC-M04-007-14-BNC | M4 X 0.7 X 14MM |
| SC-M04-007-16-BNC | M4 X 0.7 X 16MM |
| SC-M05-008-08-BNC | M5 X 0.8 X 8MM  |
| SC-M05-008-10-BNC | M5 X 0.8 X 10MM |
| SC-M05-008-12-BNC | M5 X 0.8 X 12MM |
| SC-M05-008-20-BNC | M5 X 0.8 X 20MM |

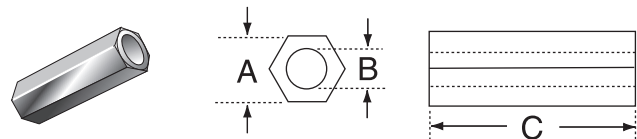


| THREAD SIZE | A     | B    | C    | D    |
|-------------|-------|------|------|------|
| M3 X 0.5    | 5.74  | 1.65 | 0.76 | 0.89 |
| M4 X 0.7    | 8.38  | 2.54 | 1.02 | 1.42 |
| M5 X 0.8    | 9.65  | 2.97 | 1.14 | 1.65 |
| M6 X 1.0    | 12.57 | 3.81 | 1.40 | 2.03 |

| Item              | Description     |
|-------------------|-----------------|
| SC-M06-100-08-BNC | M6 X 1.0 X 8MM  |
| SC-M06-100-12-BNC | M6 X 1.0 X 12MM |
| SC-M06-100-16-BNC | M6 X 1.0 X 16MM |
| SC-M06-100-20-BNC | M6 X 1.0 X 20MM |
| SC-M06-100-25-BNC | M6 X 1.0 X 25MM |
| SC-M06-100-30-BNC | M6 X 1.0 X 30MM |

## Metric Hex Spacers

| Item      | A   | B   | C    |
|-----------|-----|-----|------|
| SPHM-2392 | 5.0 | 2.5 | 6.0  |
| SPHM-2393 | 5.0 | 2.5 | 8.0  |
| SPHM-2394 | 5.0 | 2.5 | 10.0 |
| SPHM-2395 | 5.0 | 2.5 | 12.0 |
| SPHM-2396 | 5.0 | 2.5 | 15.0 |
| SPHM-2397 | 5.0 | 2.5 | 18.0 |
| SPHM-2398 | 5.0 | 2.5 | 20.0 |
| SPHM-2399 | 5.0 | 2.5 | 25.0 |
| SPHM-0820 | 6.0 | 2.6 | 30.0 |



| Item      | A   | B    | C    |
|-----------|-----|------|------|
| SPHM-2426 | 6.0 | 3.55 | 6.0  |
| SPHM-2427 | 6.0 | 3.55 | 8.0  |
| SPHM-2428 | 6.0 | 3.55 | 10.0 |
| SPHM-2429 | 6.0 | 3.55 | 12.0 |
| SPHM-2430 | 6.0 | 3.55 | 15.0 |
| SPHM-2431 | 6.0 | 3.55 | 18.0 |
| SPHM-2432 | 6.0 | 3.55 | 20.0 |
| SPHM-2433 | 6.0 | 3.55 | 25.0 |

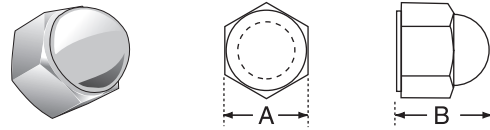
## Metric Tapped Hex Spacers

| Item          | A   | B    | Tap |
|---------------|-----|------|-----|
| SPHMT-2392-M3 | 5.0 | 6.0  | M3  |
| SPHMT-2393-M3 | 5.0 | 8.0  | M3  |
| SPHMT-2394-M3 | 5.0 | 10.0 | M3  |
| SPHMT-2395-M3 | 5.0 | 12.0 | M3  |
| SPHMT-2396-M3 | 5.0 | 15.0 | M3  |
| SPHMT-2397-M3 | 5.0 | 18.0 | M3  |
| SPHMT-2398-M3 | 5.0 | 20.0 | M3  |
| SPHMT-2399-M3 | 5.0 | 25.0 | M3  |
| SPHMT-0820-M3 | 6.0 | 30.0 | M3  |



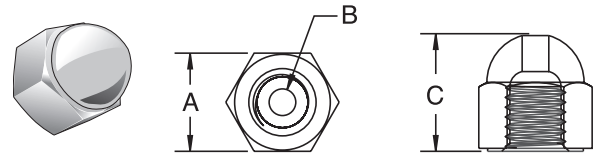
| Item          | A   | B    | Tap |
|---------------|-----|------|-----|
| SPHMT-2426-M4 | 6.0 | 6.0  | M4  |
| SPHMT-2427-M4 | 6.0 | 8.0  | M4  |
| SPHMT-2428-M4 | 6.0 | 10.0 | M4  |
| SPHMT-2429-M4 | 6.0 | 12.0 | M4  |
| SPHMT-2430-M4 | 6.0 | 15.0 | M4  |
| SPHMT-2431-M4 | 6.0 | 18.0 | M4  |
| SPHMT-2432-M4 | 6.0 | 20.0 | M4  |
| SPHMT-2433-M4 | 6.0 | 25.0 | M4  |

## Metric Cap Nut



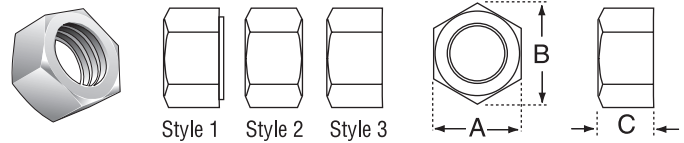
| Item   | Description      | A     | B     |
|--------|------------------|-------|-------|
| NCM-61 | M6 X 1.0 CAP NUT | 10.01 | 11.99 |

## Special Metric Cap Nut



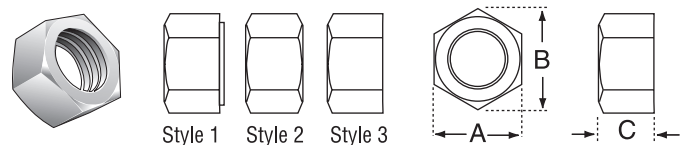
| Item      | Description             | A     | B    | C     |
|-----------|-------------------------|-------|------|-------|
| NCM-61-HL | M6 X 1.0 CAP NUT W/HOLE | 10.01 | 2.65 | 11.99 |

## Metric Hex Nuts



| Item         | Description        | A     | B REF. | C    | Style |
|--------------|--------------------|-------|--------|------|-------|
| NHM-305-CH   | M3 X 0.5 HEX NUT   | 5.38  | 6.22   | 2.29 | 2     |
| NHM-3506     | M3.5 X 0.6 HEX NUT | 5.9   | 6.76   | 2.67 | 1     |
| NHM-3506-SP  | M3.5 X 0.6 HEX NUT | 6.9   | 7.75   | 2.8  | 1     |
| NHM-407      | M4 X 0.7 HEX NUT   | 6.9   | 7.9    | 3.0  | 1     |
| NHM-407-CH   | M4 X 0.7 HEX NUT   | 6.9   | 7.9    | 3.0  | 2     |
| NHM-508      | M5 X 0.8 HEX NUT   | 7.8   | 8.9    | 4.1  | 3     |
| NHM-61       | M6 X 1.0 HEX NUT   | 9.9   | 11.3   | 5.4  | 1     |
| NHM-8125-CH  | M8 X 1.25 HEX NUT  | 12.88 | 14.73  | 6.6  | 2     |
| NHM-12175-CH | M12 X 1.75 HEX NUT | 18.0  | 20.0   | 6.0  | 2     |
| NHM-1415-CH  | M14 X 1.5 HEX NUT  | 21.0  | 23.88  | 6.0  | 2     |
| NHM-2215     | M22 X 1.5 HEX NUT  | 29.72 | 34.29  | 6.1  | 3     |

## Metric Hex Nuts with Locking Threads



| Item          | Description                | A     | B REF. | C    | Style |
|---------------|----------------------------|-------|--------|------|-------|
| NHLM-305-CH   | M3 X 0.5 LOCKING HEX NUT   | 5.38  | 6.22   | 2.29 | 2     |
| NHLM-3506     | M3.5 X 0.6 LOCKING HEX NUT | 5.9   | 6.76   | 2.67 | 1     |
| NHLM-3506-SP  | M3.5 X 0.6 LOCKING HEX NUT | 6.9   | 7.75   | 2.8  | 1     |
| NHLM-407      | M4 X 0.7 LOCKING HEX NUT   | 6.9   | 7.9    | 3.0  | 1     |
| NHLM-407-CH   | M4 X 0.7 LOCKING HEX NUT   | 6.9   | 7.9    | 3.0  | 2     |
| NHLM-508      | M5 X 0.8 LOCKING HEX NUT   | 7.8   | 8.9    | 4.1  | 3     |
| NHLM-61       | M6 X 1.0 LOCKING HEX NUT   | 9.9   | 11.3   | 5.4  | 1     |
| NHLM-8125-CH  | M8 X 1.25 LOCKING HEX NUT  | 12.88 | 14.73  | 6.6  | 2     |
| NHLM-12175-CH | M12 X 1.75 LOCKING HEX NUT | 18.0  | 20.0   | 6.0  | 2     |
| NHLM-1415-CH  | M14 X 1.5 LOCKING HEX NUT  | 21.0  | 23.88  | 6.0  | 2     |
| NHLM-2215     | M22 X 1.5 LOCKING HEX NUT  | 29.72 | 34.29  | 6.1  | 3     |



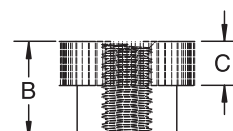
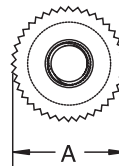
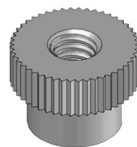
# Metric PCB's, Screws & Nuts

## Metric Lock Nut



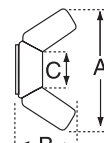
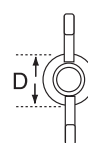
| Item   | Description       | A     | B    |
|--------|-------------------|-------|------|
| NLM-61 | M6 X 1.0 LOCK NUT | 10.00 | 6.00 |

## Metric Thumb Nut



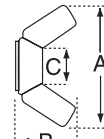
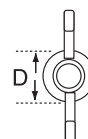
| Item    | Description        | A    | B   | C    |
|---------|--------------------|------|-----|------|
| NTM-407 | M4 X 0.7 THUMB NUT | 10.8 | 7.7 | 3.51 |

## Metric Wing Nuts



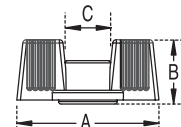
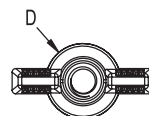
| Item      | Description        | A     | B     | C     | D     |
|-----------|--------------------|-------|-------|-------|-------|
| NWM-508   | M5 X 0.8 WING NUT  | 22.8  | 12.2  | 7.24  | 10.4  |
| NWM-61    | M6 X 1.0 WING NUT  | 27.3  | 15.88 | 8.38  | 13.6  |
| NWM-8125  | M8 X 1.25 WING NUT | 35.05 | 18.29 | 10.16 | 16.51 |
| NWM-10150 | M10 X 1.5 WING NUT | 35.05 | 18.29 | 10.16 | 16.51 |

## Metric Wing Nuts with Locking Threads



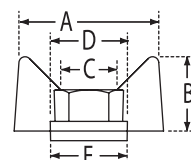
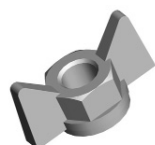
| Item       | Description                | A     | B     | C     | D     |
|------------|----------------------------|-------|-------|-------|-------|
| NWLM-508   | M5 X 0.8 LOCKING WING NUT  | 22.8  | 12.2  | 7.24  | 10.4  |
| NWLM-61    | M6 X 1.0 LOCKING WING NUT  | 27.3  | 15.88 | 8.38  | 13.6  |
| NWLM-8125  | M8 X 1.25 LOCKING WING NUT | 35.05 | 18.29 | 10.16 | 16.51 |
| NWLM-10150 | M10 X 1.5 LOCKING WING NUT | 35.05 | 18.29 | 10.16 | 16.51 |

## Deco Metric Wing Nut



| Item    | Description            | A     | B     | C    | D     |
|---------|------------------------|-------|-------|------|-------|
| NWDM-61 | M6 X 1.0 DECO WING NUT | 29.49 | 13.39 | 9.02 | 15.67 |

## Special Metric Wing Nuts

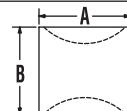
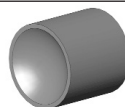


| Item       | Description                       | A     | B     | C    | D    | E     |
|------------|-----------------------------------|-------|-------|------|------|-------|
| NWM-61-SP  | M6 X 1.0 SPECIAL WING NUT         | 22.35 | 13.34 | 8.89 | 12.7 | 12.19 |
| NWLM-61-SP | M6 X 1.0 LOCKING SPECIAL WING NUT | 22.35 | 13.34 | 8.89 | 12.7 | 12.19 |

# Miscellaneous

## Ball Bearing Separator

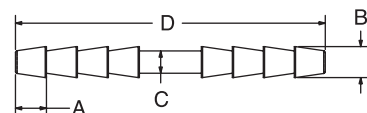
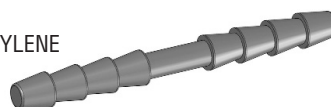
NY = NYLATRON



| Item        | A    | B    |
|-------------|------|------|
| SBB-2034-NY | .389 | .370 |

## Barbed Connector

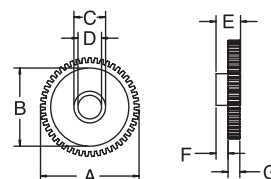
PEH = HIGH DENSITY POLYETHYLENE



| Item         | A    | B    | C    | D     |
|--------------|------|------|------|-------|
| CBB-2190-PEH | .250 | .257 | .187 | 2.460 |

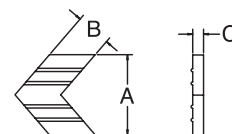
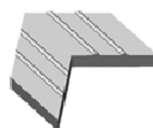
## Gear Spur

AC = ACETAL



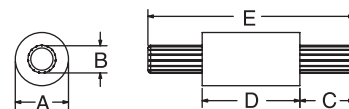
| Item        | A     | B     | C    | D    | E    | F    | G    |
|-------------|-------|-------|------|------|------|------|------|
| GRS-1453-AC | 2.075 | 1.650 | .672 | .500 | .517 | .254 | .250 |

## Muntin Arrow



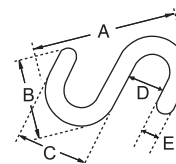
| Item     | A     | B    | C    |
|----------|-------|------|------|
| AWM-0215 | 1.004 | .570 | .155 |

## Rollers



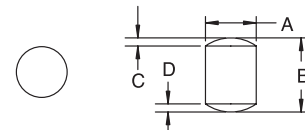
| Item               | A    | B    | C    | D     | E     |
|--------------------|------|------|------|-------|-------|
| RLR-0500-0255-1875 | .500 | .255 | .500 | .875  | 1.875 |
| RLR-0500-0250-2000 | .500 | .255 | .500 | 1.000 | 2.000 |

## "S" Hook



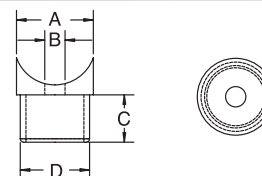
| Item     | A     | B     | C    | D    | E    |
|----------|-------|-------|------|------|------|
| HKS-1266 | 1.950 | 1.100 | .980 | .485 | .250 |

## Dome Timer



| Item     | A    | B    | C    | D    |
|----------|------|------|------|------|
| DMT-1338 | .250 | .365 | .040 | .040 |

## Tube Connector



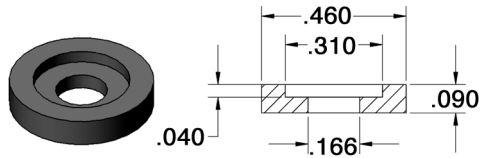
| Item          | A     | B    | C    | D    |
|---------------|-------|------|------|------|
| CTB-1000-18GA | 1.000 | .260 | .620 | .906 |



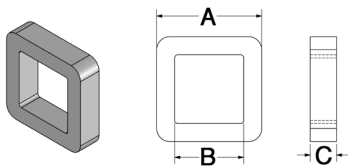


## Washer Specials

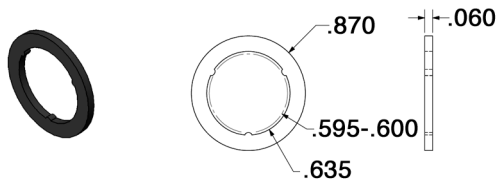
| Item               | A    | B    | C    | D    |
|--------------------|------|------|------|------|
| WSP-0400-0210-0030 | .400 | .210 | .210 | .030 |
| WSP-0675-0322-0048 | .675 | .322 | .322 | .048 |



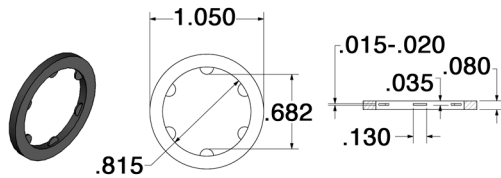
| Item               |
|--------------------|
| WSP-0460-0166-0090 |



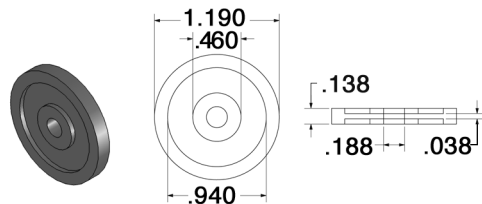
| Item        | A    | B    | C    |
|-------------|------|------|------|
| WSP-2598-SQ | .500 | .322 | .125 |
| WSP-2458-SQ | .720 | .340 | .100 |



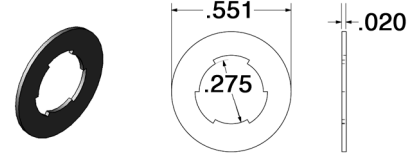
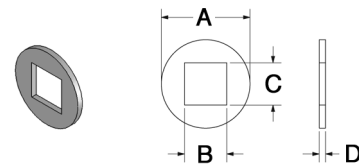
| Item               |
|--------------------|
| WSP-0870-0597-0060 |



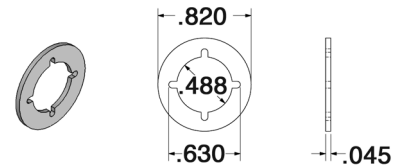
| Item               |
|--------------------|
| WSP-1050-0682-0080 |



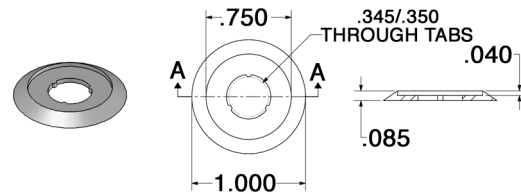
| Item               |
|--------------------|
| WSP-1190-0188-0138 |



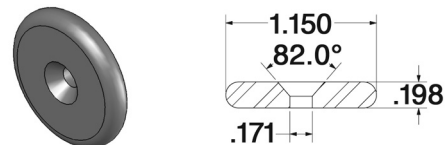
| Item               |
|--------------------|
| WSP-0551-0275-0020 |



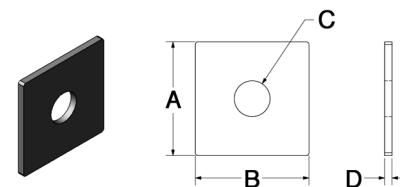
| Item               |
|--------------------|
| WSP-0820-0488-0045 |



| Item               |
|--------------------|
| WSP-1000-0350-0085 |

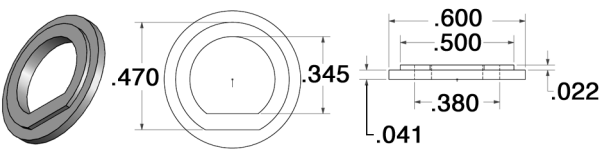


| Item               |
|--------------------|
| WSP-1150-0171-0198 |



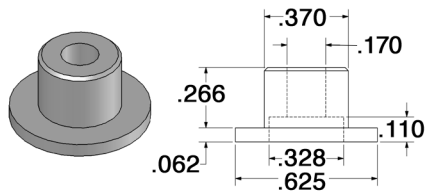
| Item        | A     | B     | C    | D    |
|-------------|-------|-------|------|------|
| WSP-1985-SQ | 2.000 | 2.000 | .630 | .130 |
| WSP-1984-SQ | 2.000 | 2.000 | .630 | .250 |

Special Shoulder Washers



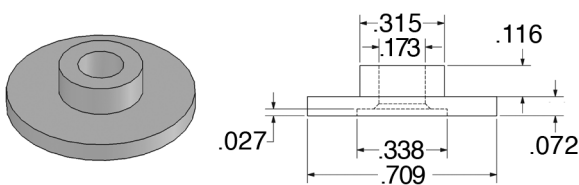
Item

WSS-0600-0380-0022



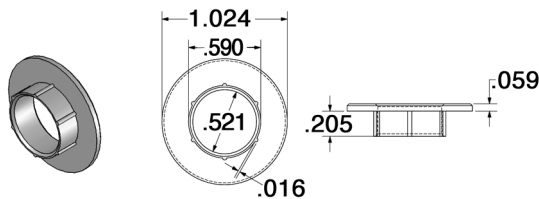
Item

WSS-0625-0170-0266



Item

WSS-0709-0173-0116



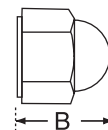
Item

WSS-1024-0521-0205-RIB



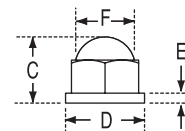
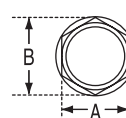
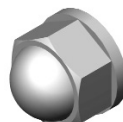
# Nuts

## Cap Nuts



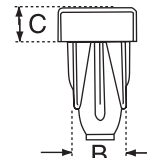
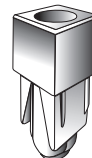
| Item     | Description            | A    | B    |
|----------|------------------------|------|------|
| NC-1024  | 10-24 CAP NUT          | .365 | .400 |
| NC-1032  | 10-32 CAP NUT          | .365 | .400 |
| NC-1420  | 1/4-20 CAP NUT         | .437 | .470 |
| NC-3824  | 3/8-24 CAP NUT         | .550 | .610 |
| NC-51618 | 5/16-18 CAP NUT        | .500 | .530 |
| NCL-1420 | 1/4-20 LOCKING CAP NUT | .437 | .470 |

## Special Cap Nut



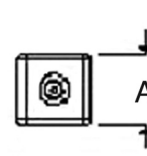
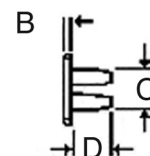
| Item       | Description    | A    | REF. B | C    | D    | E    | F    |
|------------|----------------|------|--------|------|------|------|------|
| NC-3816-SP | 3/8-16 CAP NUT | .610 | .704   | .600 | .716 | .090 | .532 |

## Expansion Nuts



| Item          | A    | B    | C    | Screw | Panel Thickness | Hole Size |
|---------------|------|------|------|-------|-----------------|-----------|
| NEX-0651-ST50 | .375 | .275 | .062 | 4     | .020-.076       | .250-.281 |
| NEX-1241-ST50 | .375 | .275 | .125 | 8-10  | .020-.076       | .250-.281 |
| NEX-0718-ST50 | .375 | .275 | .187 | 8-10  | .020-.076       | .250-.281 |
| NEX-0811-ST50 | .375 | .275 | .312 | 8-10  | .020-.076       | .250-.281 |
| NEX-2042-ST50 | .375 | .275 | .437 | 8-10  | .020-.076       | .250-.281 |
| NEX-0773-ST50 | .375 | .275 | .500 | 8-10  | .020-.076       | .250-.281 |

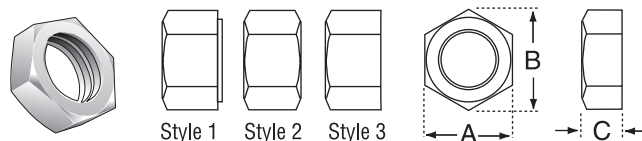
## Grommet Nuts



| Item         | A         | B    | C    | D    | Screw  | Panel Thickness | Hole Size   |
|--------------|-----------|------|------|------|--------|-----------------|-------------|
| NG-1763-SQ   | .375      | .030 | .270 | .285 | 6 - 8  | .031 - .125     | .244 - .275 |
| NG-1912-SQ   | .375      | .031 | .300 | .315 | 8 - 10 | .031 - .125     | .275 - .290 |
| NG-1913-SQ   | .375      | .250 | .300 | .320 | 8 - 10 | .031 - .125     | .275 - .290 |
| NG-1987.1-SQ | .625      | .079 | .425 | .320 | 10     | .031 - .156     | .375 - .390 |
| NG-2041-REC  | .312/.437 | .035 | .260 | .312 | 6      | .031 - .156     | .200 - .270 |
| NG-2162-RND  | .500      | .130 | .310 | .330 | 8      | .031 - .156     | .275 - .285 |
| NG-2182-SQ   | .375      | .307 | .290 | .275 | 6      | .031 - .109     | .270 - .275 |

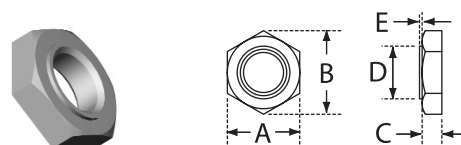
SQ = SQUARE HEAD, REC = RECTANGLE HEAD, RND = ROUND HEAD

## Hex Jam Nuts



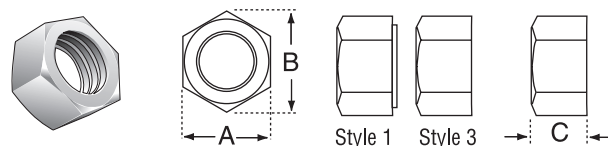
| Item           | Description                      | A     | REF. B | C    | Style |
|----------------|----------------------------------|-------|--------|------|-------|
| NHJ-3816       | 3/8-16 HEX JAM NUT               | .500  | .575   | .125 | 3     |
| NHJ-3824       | 3/8-24 HEX JAM NUT               | .500  | .575   | .125 | 3     |
| NHJ-3832       | 3/8-32 HEX JAM NUT               | .500  | .575   | .125 | 3     |
| NHJ-71620-CH   | 7/16-20 HEX JAM NUT              | .687  | .780   | .250 | 2     |
| NHJ-1827-PT    | 1/8-27 HEX JAM NUT (PIPE THREAD) | .550  | .635   | .220 | 1     |
| NHJ-1418-CH-PT | 1/4-18 HEX JAM NUT (PIPE THREAD) | .687  | .780   | .250 | 2     |
| NHJ-1213       | 1/2-13 HEX JAM NUT               | .687  | .785   | .220 | 3     |
| NHJ-5811       | 5/8-11 HEX JAM NUT               | .920  | 1.050  | .375 | 3     |
| NHJ-5818       | 5/8-18 HEX JAM NUT               | .920  | 1.050  | .375 | 3     |
| NHJ-3414-PT    | 3/4-14 HEX JAM NUT (PIPE THREAD) | 1.500 | 1.707  | .404 | 1     |
| NHJ-111627-CH  | 11/16-27 HEX JAM NUT             | 1.000 | 1.500  | .250 | 2     |

## Special Hex Jam Nut



| Item         | Description         | A    | REF. B | C    | D    | E    |
|--------------|---------------------|------|--------|------|------|------|
| NHJ-71620-SP | 7/16-20 HEX JAM NUT | .687 | .785   | .187 | .500 | .025 |

## Hex Nuts with Locking Threads

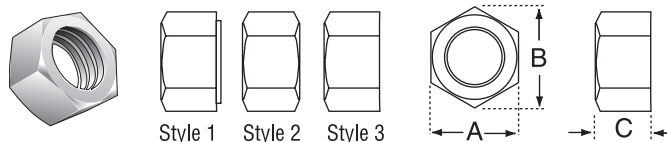


| Item      | Description             | A    | REF. B | C    | Style |
|-----------|-------------------------|------|--------|------|-------|
| NHL-440   | 4-40 LOCKING HEX NUT    | .250 | .275   | .093 | 3     |
| NHL-632   | 6-32 LOCKING HEX NUT    | .305 | .350   | .110 | 1     |
| NHL-832   | 8-32 LOCKING HEX NUT    | .335 | .380   | .125 | 1     |
| NHL-1024  | 10-24 LOCKING HEX NUT   | .365 | .420   | .125 | 1     |
| NHL-1032  | 10-32 LOCKING HEX NUT   | .365 | .420   | .125 | 1     |
| NHL-1420  | 1/4-20 LOCKING HEX NUT  | .425 | .485   | .225 | 1     |
| NHL-51618 | 5/16-18 LOCKING HEX NUT | .500 | .575   | .270 | 1     |
| NHL-3816  | 3/8-16 LOCKING HEX NUT  | .560 | .630   | .330 | 1     |
| NHL-3824  | 3/8-24 LOCKING HEX NUT  | .560 | .630   | .330 | 1     |
| NHL-1213  | 1/2-13 LOCKING HEX NUT  | .750 | .860   | .437 | 1     |



# Nuts

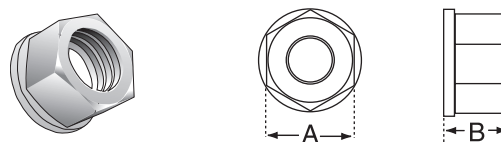
## Hex Nuts



| Item          | Description                | A     | REF. B | C    | Style |
|---------------|----------------------------|-------|--------|------|-------|
| NH-18         | 1-8 HEX NUT                | 1.470 | 1.700  | .870 | 1     |
| NH-256        | 2-56 HEX NUT               | .180  | .205   | .062 | 3     |
| NH-440        | 4-40 HEX NUT               | .250  | .275   | .093 | 3     |
| NH-440-SMP    | 4-40 HEX NUT (SMALL)       | .180  | .205   | .062 | 3     |
| NH-632        | 6-32 HEX NUT               | .305  | .350   | .110 | 1     |
| NH-789        | 7/8-9 HEX NUT              | 1.300 | 1.480  | .750 | 1     |
| NH-832        | 8-32 HEX NUT               | .335  | .380   | .125 | 1     |
| NH-1032       | 10-32 HEX NUT              | .365  | .420   | .125 | 1     |
| NH-1024       | 10-24 HEX NUT              | .365  | .420   | .125 | 1     |
| NH-1420       | 1/4-20 HEX NUT             | .425  | .485   | .225 | 1     |
| NH-1428       | 1/4-28 HEX NUT             | .425  | .485   | .225 | 1     |
| NH-1432-SP    | 1/4-32 HEX NUT             | .375  | .427   | .128 | 1     |
| NH-51618      | 5/16-18 HEX NUT            | .500  | .575   | .270 | 1     |
| NH-51624      | 5/16-24 HEX NUT            | .500  | .575   | .270 | 1     |
| NH-3816       | 3/8-16 HEX NUT             | .560  | .630   | .330 | 1     |
| NH-3824       | 3/8-24 HEX NUT             | .560  | .630   | .330 | 1     |
| NH-3832-SP-PN | 3/8-32 HEX NUT / PANEL NUT | .490  | .560   | .190 | 3     |
| NH-1213       | 1/2-13 HEX NUT             | .750  | .860   | .437 | 1     |
| NH-5811       | 5/8-11 HEX NUT             | .925  | 1.050  | .550 | 1     |
| NH-5818       | 5/8-18 HEX NUT             | .925  | 1.050  | .550 | 1     |
| NH-5811-CH*   | 5/8-11 HEX NUT             | .868  | .990   | .312 | .2    |
| NH-5818-CH*   | 5/8-18 HEX NUT             | .868  | .990   | .312 | 2     |
| NH-71620      | 7/16-20 HEX NUT            | .675  | .780   | .380 | 3     |
| NH-3410       | 3/4-10 HEX NUT             | 1.100 | 1.250  | .640 | 1     |
| NH-111618-CH  | 11/16-18 HEX NUT           | .875  | .995   | .310 | 2     |
| NH-111624-CH  | 11/16-24 HEX NUT           | .875  | .995   | .310 | 2     |

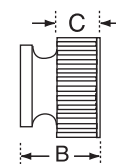
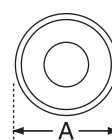
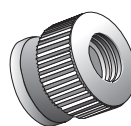
\*CHAMFER ON I.D. 45 DEGREES

## Lock Nuts



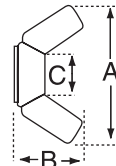
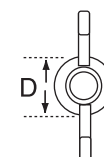
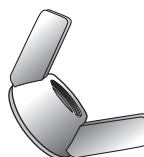
| Item       | Description                  | A    | B    |
|------------|------------------------------|------|------|
| NL-440-STH | 4-40 SELF THREADING LOCK NUT | .250 | .195 |
| NL-832     | 8-32 LOCK NUT                | .335 | .230 |
| NL-1024    | 10-24 LOCK NUT               | .365 | .250 |
| NL-1032    | 10-32 LOCK NUT               | .365 | .250 |
| NL-51618   | 5/16-18 LOCK NUT             | .500 | .310 |
| NL-51624   | 5/16-24 LOCK NUT             | .500 | .310 |

## Thumb Nuts



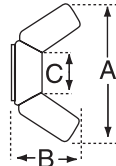
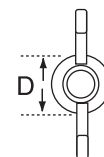
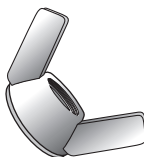
| Item       | Description             | A    | B    | C    |
|------------|-------------------------|------|------|------|
| NT-1024    | 10-24 THUMB NUT         | .415 | .320 | .140 |
| NT-1024-SP | 10-24 THUMB NUT SPECIAL | .530 | .360 | .155 |
| NT-1032    | 10-32 THUMB NUT         | .415 | .320 | .140 |
| NT-1032-SP | 10-32 THUMB NUT SPECIAL | .530 | .360 | .155 |
| NT-1420    | 1/4-20 THUMB NUT        | .530 | .360 | .155 |
| NT-51618   | 5/16-18 THUMB NUT       | .605 | .400 | .170 |

## Wing Nuts



| Item         | Description                      | A     | B    | C    | D    |
|--------------|----------------------------------|-------|------|------|------|
| NW-440       | 4-40 WING NUT                    | .898  | .480 | .285 | .409 |
| NW-632       | 6-32 WING NUT                    | .898  | .480 | .285 | .409 |
| NW-832       | 8-32 WING NUT                    | .898  | .480 | .285 | .409 |
| NW-1024      | 10-24 WING NUT                   | .898  | .480 | .285 | .409 |
| NW-1024-LGP  | 10-24 WING NUT (LARGE PATTERN)   | 1.070 | .625 | .280 | .550 |
| NW-1032      | 10-32 WING NUT                   | .898  | .480 | .285 | .409 |
| NW-1032-LGP  | 10-32 WING NUT (LARGE PATTERN)   | 1.070 | .625 | .280 | .550 |
| NW-1420-SMP  | 1/4-20 WING NUT (SMALL PATTERN)  | 1.070 | .625 | .280 | .550 |
| NW-1420      | 1/4-20 WING NUT                  | 1.240 | .680 | .375 | .625 |
| NW-51618-SMP | 5/16-18 WING NUT (SMALL PATTERN) | 1.240 | .680 | .375 | .625 |
| NW-51618     | 5/16-18 WING NUT                 | 1.380 | .720 | .400 | .650 |
| NW-3816      | 3/8-16 WING NUT                  | 1.380 | .720 | .400 | .650 |
| NW-1213      | 1/2-13 WING NUT                  | 1.715 | .885 | .580 | .835 |

## Wing Nuts with Locking Threads

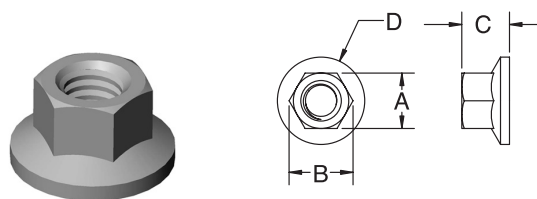


| Item          | Description                              | A     | B    | C    | D    |
|---------------|------------------------------------------|-------|------|------|------|
| NWL-440       | 4-40 LOCKING WING NUT                    | .898  | .480 | .285 | .409 |
| NWL-632       | 6-32 LOCKING WING NUT                    | .898  | .480 | .285 | .409 |
| NWL-832       | 8-32 LOCKING WING NUT                    | .898  | .480 | .285 | .409 |
| NWL-1024      | 10-24 LOCKING WING NUT                   | .898  | .480 | .285 | .409 |
| NWL-1024-LGP  | 10-24 LOCKING WING NUT (LARGE PATTERN)   | 1.070 | .625 | .280 | .550 |
| NWL-1032      | 10-32 LOCKING WING NUT                   | .898  | .480 | .285 | .409 |
| NWL-1032-LGP  | 10-32 LOCKING WING NUT (LARGE PATTERN)   | 1.070 | .625 | .280 | .550 |
| NWL-1420-SMP  | 1/4-20 LOCKING WING NUT (SMALL PATTERN)  | 1.070 | .625 | .280 | .550 |
| NWL-1420      | 1/4-20 LOCKING WING NUT                  | 1.240 | .680 | .375 | .625 |
| NWL-51618-SMP | 5/16-18 LOCKING WING NUT (SMALL PATTERN) | 1.240 | .680 | .375 | .625 |
| NWL-51618     | 5/16-18 LOCKING WING NUT                 | 1.380 | .720 | .400 | .650 |
| NWL-3816      | 3/8-16 LOCKING WING NUT                  | 1.380 | .720 | .400 | .650 |
| NWL-1213      | 1/2-13 LOCKING WING NUT                  | 1.715 | .885 | .580 | .835 |



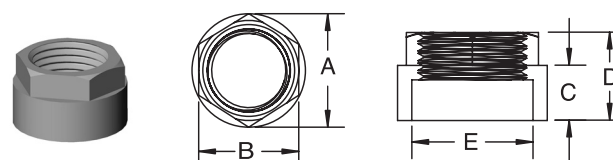
# Nuts

## Flange Nuts



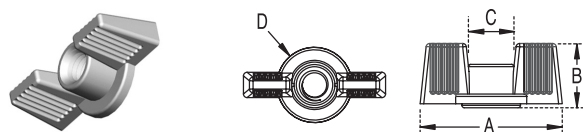
| Item        | Description        | A    | REF. B | C    | D    |
|-------------|--------------------|------|--------|------|------|
| NF-51618-SP | 5/16-18 FLANGE NUT | .500 | .570   | .312 | .688 |
| NF-3816-SP  | 3/8-16 FLANGE NUT  | .556 | .637   | .410 | .870 |

## Switch Nut



| Item        | Description       | A    | B    | C    | D    | E    |
|-------------|-------------------|------|------|------|------|------|
| NS-5818-CR1 | 5/8-18 SWITCH NUT | .850 | .750 | .313 | .500 | .688 |

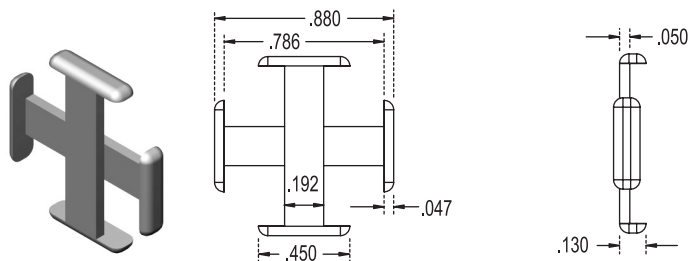
## Deco Wing Nut



| Item     | Description          | A     | B    | C    | D    |
|----------|----------------------|-------|------|------|------|
| NWD-1420 | 1/4-20 DECO WING NUT | 1.161 | .527 | .355 | .617 |



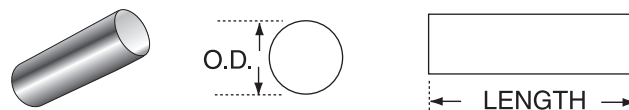
## Cross Pin



Item

PINC-0060

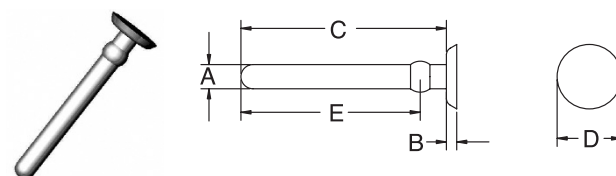
## Dowel Pins



| Item         | O.D. | Length |
|--------------|------|--------|
| DP-0093-0125 | .093 | .125   |
| DP-0093-0250 | .093 | .250   |
| DP-0093-0375 | .093 | .375   |
| DP-0093-0500 | .093 | .500   |
| DP-0125-0187 | .125 | .187   |
| DP-0125-0625 | .125 | .625   |

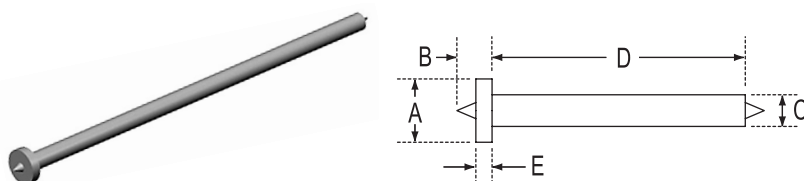
| Item         | O.D. | Length |
|--------------|------|--------|
| DP-0156-0625 | .156 | .625   |
| DP-0187-1250 | .187 | 1.250  |
| DP-0250-0335 | .250 | .335   |
| DP-0250-0590 | .250 | .590   |
| DP-0250-0760 | .250 | .760   |

## Pins



| Item               | A    | B    | C    | D    | E    |
|--------------------|------|------|------|------|------|
| PIN-0280-0100-0675 | .100 | .050 | .675 | .280 | .585 |
| PIN-0280-0100-0750 | .100 | .050 | .750 | .100 | .680 |
| PIN-0286-0102-0500 | .102 | .050 | .500 | .286 | .420 |

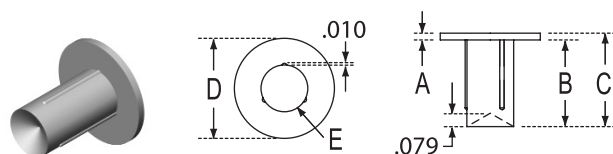
## Packaging Pin



| Item       | A    | B    | C    | D     | E    |
|------------|------|------|------|-------|------|
| PINPK-1729 | .250 | .070 | .125 | 2.930 | .064 |

## Pin

DYNA7980 = DYNAFLEX G7980



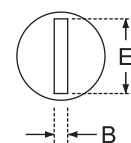
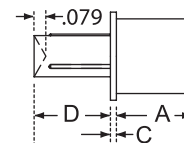
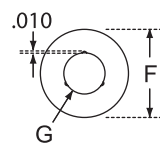
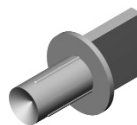
| Item              | A    | B    | C    | D    | E    |
|-------------------|------|------|------|------|------|
| PIN-1714-DYNA7980 | .040 | .500 | .540 | .590 | .288 |



# Pins

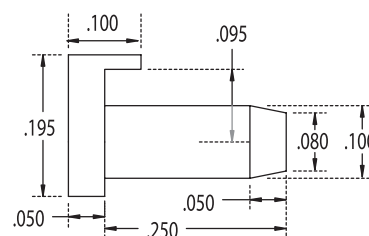
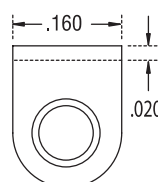
## Tabbed Pin

DYNA7980 = DYNAFLEX G7980



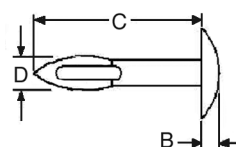
| Item                  | A    | B    | C    | D    | E    | F    | G    |
|-----------------------|------|------|------|------|------|------|------|
| PIN-1713-TAB-DYNA7980 | .500 | .100 | .040 | .500 | .500 | .590 | .288 |

## Push Pin



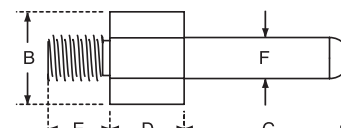
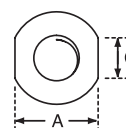
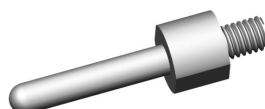
| Item      |
|-----------|
| PINP-1330 |

## Retaining Pin



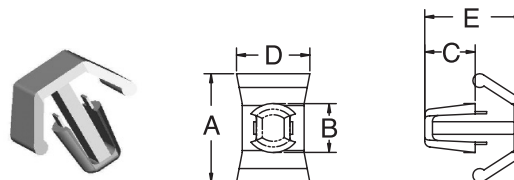
| Item       | A    | B    | C    | D    |
|------------|------|------|------|------|
| PINRT-1431 | .370 | .080 | .736 | .136 |

## Threaded Pin



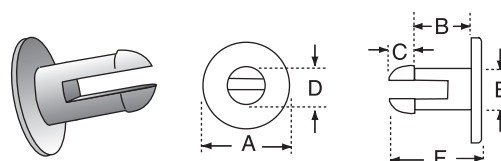
| Item                | Description    | A    | B    | C    | D    | E    | F    | G     |
|---------------------|----------------|------|------|------|------|------|------|-------|
| PIN-1708-51618-THHD | 5/16-18 THREAD | .562 | .625 | .273 | .500 | .406 | .276 | 1.469 |

## Button Mount



| Item     | A    | B    | C    | D    | E    |
|----------|------|------|------|------|------|
| BTM-0093 | .484 | .150 | .210 | .310 | .437 |

## Push-In Fasteners

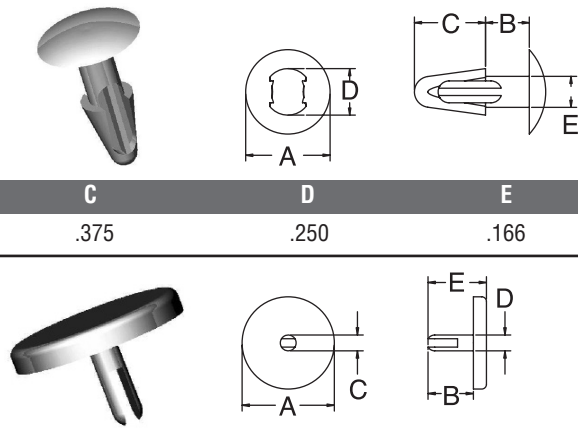


| Item                  | A<br>Head Diameter | B<br>Panel Thickness | C<br>Foot Length | D<br>Foot Diameter | E<br>Hole Size | F<br>Overall Length |
|-----------------------|--------------------|----------------------|------------------|--------------------|----------------|---------------------|
| PIF-0024              | .594               | .365                 | .187             | .295               | .245           | .685                |
| PIF-0039              | .250               | .115                 | .085             | .145               | .093           | .240                |
| PIF-0040-SP (NO SLOT) | .281               | .093                 | .078             | .105               | .093           | .200                |
| PIF-0041-SP (NO SLOT) | .312               | .121                 | .065             | .145               | .089           | .246                |
| PIF-0042              | .203               | .190                 | .090             | .180               | .130           | .320                |
| PIF-0043              | .203               | .156                 | .135             | .140               | .115           | .303                |
| PIF-0047              | .203               | .121                 | .125             | .140               | .115           | .286                |
| PIF-0048              | .391               | .315                 | .113             | .208               | .157           | .480                |
| PIF-0050              | .343               | .133                 | .137             | .202               | .165           | .310                |
| PIF-0051              | .344               | .065                 | .137             | .202               | .165           | .325                |
| PIF-0053              | .343               | .250                 | .174             | .224               | .180           | .484                |
| PIF-0058              | .469               | .121                 | .153             | .240               | .200           | .324                |
| PIF-0060              | .468               | .156                 | .153             | .228               | .200           | .359                |
| PIF-0061              | .343               | .375                 | .137             | .236               | .200           | .552                |
| PIF-0063              | .453               | .276                 | .187             | .295               | .240           | .505                |
| PIF-0065              | .593               | .480                 | .187             | .295               | .240           | .727                |
| PIF-0070              | .593               | .171                 | .187             | .295               | .260           | .418                |
| PIF-0071              | .593               | .250                 | .187             | .295               | .240           | .497                |
| PIF-0072              | .593               | .375                 | .187             | .295               | .240           | .622                |
| PIF-0074              | .594               | .405                 | .160             | .315               | .275           | .620                |
| PIF-0077              | .234               | .320                 | .084             | .145               | .118           | .437                |
| PIF-0084              | .500               | .098                 | .169             | .280               | .244           | .323                |
| PIF-0150              | .345               | .550                 | .155             | .225               | .180           | .775                |
| PIF-0253              | .750               | .636                 | .180             | .220               | .180           | .875                |
| PIF-0466              | .375               | .875                 | .250             | .312               | .250           | 1.187               |
| PIF-0946              | .375               | .265                 | .130             | .210               | .155           | .460                |
| PIF-0958              | .406               | .250                 | .110             | .283               | .218           | .405                |
| PIF-1165              | .406               | .890                 | .060             | .340               | .260           | 1.015               |
| PIF-1186              | .275               | .403                 | .133             | .160               | .135           | .617                |
| PIF-1203-SP           | .420               | .425                 | .213             | .160               | .135           | .723                |
| PIF-1302-SP           | .375               | .875                 | .245             | .284               | .246           | 1.182               |
| PIF-1331              | .500               | .700                 | .200             | .340               | .245           | .980                |
| PIF-1661              | .453               | .270                 | .187             | .295               | .240           | .515                |
| PIF-1701              | .469               | .237                 | .150             | .238               | .200           | .435                |

# Rivets and Push-In Fasteners

## Special Push-In Fasteners

| Item     | A    | B    | C    | D    | E    |
|----------|------|------|------|------|------|
| PIF-0408 | .462 | .250 | .375 | .250 | .166 |

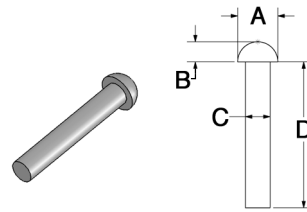


| Item     | A    | B    | C    | D    | E    |
|----------|------|------|------|------|------|
| PIF-1190 | .500 | .250 | .173 | .160 | .320 |

## Rivets

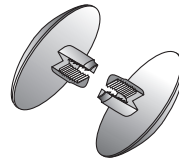
AC = ACETAL

| Item       | A    | B    | C    | D     |
|------------|------|------|------|-------|
| RV-17-AC   | .250 | .068 | .125 | .500  |
| RV-2532-AC | .610 | .305 | .375 | 2.225 |



## Ratchet Rivets

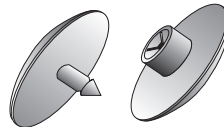
.281 HOLE SIZE



| Item                      | Assembled Panel Thickness | Head Diameter & Thickness |
|---------------------------|---------------------------|---------------------------|
| RVR-00                    | .235-.298                 | .750/.093                 |
| RVR-02                    | .345-.500                 | .750/.093                 |
| RVR-03                    | .500-.812                 | .750/.093                 |
| RVR-04                    | .780-1.375                | .750/.093                 |
| RVR-05                    | .235-.297                 | .406/.062                 |
| RVR-07                    | .346-.500                 | .406/.062                 |
| RVR-08                    | .500-.813                 | .406/.062                 |
| RVR-09                    | .780-1.375                | .406/.062                 |
| RVR-1672 (.197 HOLE SIZE) | .118-.146                 | .354/.059                 |
| RVR-2086                  | .660-1.150                | .750/.093                 |

## Snap Rivets

.320 HOLE SIZE

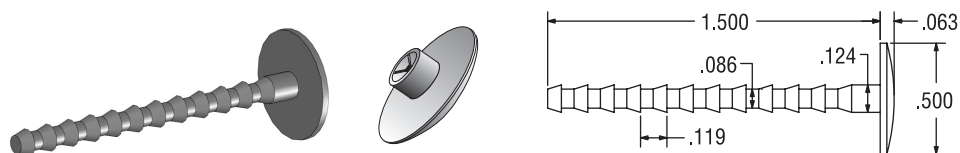


| Item Male   | Item Female  | Panel Thickness | Head Diameter & Thickness of Male/Female Part |
|-------------|--------------|-----------------|-----------------------------------------------|
| RVS-0180-ML | RVS-0320-FEM | .170 - .190     | .625/.063                                     |
| RVS-0230-ML | RVS-0320-FEM | .220 - .240     | .625/.063                                     |
| RVS-0330-ML | RVS-0320-FEM | .320 - .340     | .625/.063                                     |
| RVS-0600-ML | RVS-0320-FEM | .320 - .600     | .625/.055                                     |
| RVS-9MM-ML  | RVS-0320-FEM | 8.13 - 9MM      | 15.88MM/1.6MM                                 |

(continued)

# Rivets and Push-In Fasteners

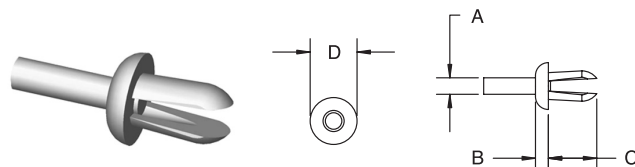
## Snap Rivets



| Item | MALE        | FEMALE       |
|------|-------------|--------------|
|      | RVS-1500-ML | RVS-0320-FEM |

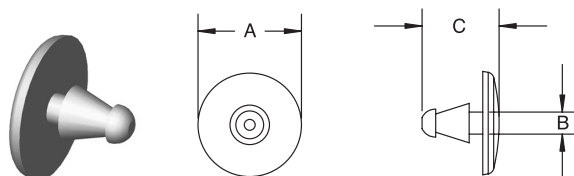
## Drive Rivet

HS = HEAT STABILIZED

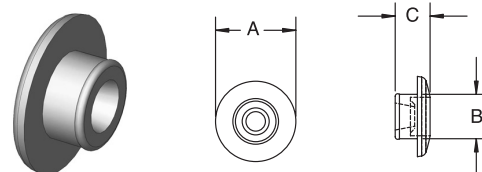


| Item        | A    | B    | C                   | D    | NOMINAL HOLE | PANEL THICKNESS | HEAD STYLE |
|-------------|------|------|---------------------|------|--------------|-----------------|------------|
| RVD-1764-HS | .078 | .060 | LOCK LENGTH<br>.230 | .215 | .187         | .062-.125       | ROUND      |

## Mini Snap Rivets



| Item        | A    | B    | C    |
|-------------|------|------|------|
| RVS-2004-ML | .375 | .081 | .283 |

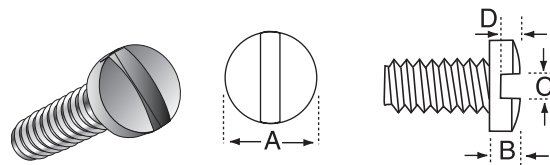


| Item         | A    | B    | C    |
|--------------|------|------|------|
| RVS-2005-FEM | .380 | .213 | .160 |



# Screws and Studs

## Slotted Binding



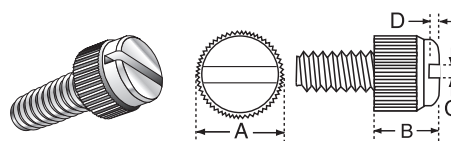
| Item              | Description  |
|-------------------|--------------|
| SC-00256-0125-BIN | 2-56 X 1/8   |
| SC-00256-0187-BIN | 2-56 X 3/16  |
| SC-00256-0250-BIN | 2-56 X 1/4   |
| SC-00256-0281-BIN | 2-56 X 9/32  |
| SC-00256-0312-BIN | 2-56 X 5/16  |
| SC-00256-0375-BIN | 2-56 X 3/8   |
| SC-00256-0437-BIN | 2-56 X 7/16  |
| SC-00256-0500-BIN | 2-56 X 1/2   |
| SC-00256-0750-BIN | 2-56 X 3/4   |
| SC-00256-1000-BIN | 2-56 X 1     |
| SC-00440-0125-BIN | 4-40 X 1/8   |
| SC-00440-0187-BIN | 4-40 X 3/16  |
| SC-00440-0250-BIN | 4-40 X 1/4   |
| SC-00440-0281-BIN | 4-40 X 9/32  |
| SC-00440-0312-BIN | 4-40 X 5/16  |
| SC-00440-0375-BIN | 4-40 X 3/8   |
| SC-00440-0437-BIN | 4-40 X 7/16  |
| SC-00440-0500-BIN | 4-40 X 1/2   |
| SC-00440-0625-BIN | 4-40 X 5/8   |
| SC-00440-0750-BIN | 4-40 X 3/4   |
| SC-00440-0875-BIN | 4-40 X 7/8   |
| SC-00440-1000-BIN | 4-40 X 1     |
| SC-00440-1250-BIN | 4-40 X 1 1/4 |
| SC-00440-1375-BIN | 4-40 X 1 3/8 |
| SC-00440-1500-BIN | 4-40 X 1 1/2 |
| SC-00632-0125-BIN | 6-32 X 1/8   |
| SC-00632-0187-BIN | 6-32 X 3/16  |
| SC-00632-0250-BIN | 6-32 X 1/4   |
| SC-00632-0312-BIN | 6-32 X 5/16  |
| SC-00632-0375-BIN | 6-32 X 3/8   |
| SC-00632-0437-BIN | 6-32 X 7/16  |
| SC-00632-0500-BIN | 6-32 X 1/2   |
| SC-00632-0562-BIN | 6-32 X 9/16  |
| SC-00632-0625-BIN | 6-32 X 5/8   |
| SC-00632-0750-BIN | 6-32 X 3/4   |
| SC-00632-0875-BIN | 6-32 X 7/8   |
| SC-00632-1000-BIN | 6-32 X 1     |
| SC-00632-1125-BIN | 6-32 X 1 1/8 |
| SC-00632-1250-BIN | 6-32 X 1 1/4 |
| SC-00632-1500-BIN | 6-32 X 1 1/2 |
| SC-00832-0125-BIN | 8-32 X 1/8   |
| SC-00832-0187-BIN | 8-32 X 3/16  |
| SC-00832-0250-BIN | 8-32 X 1/4   |
| SC-00832-0312-BIN | 8-32 X 5/16  |
| SC-00832-0375-BIN | 8-32 X 3/8   |
| SC-00832-0437-BIN | 8-32 X 7/16  |
| SC-00832-0500-BIN | 8-32 X 1/2   |
| SC-00832-0625-BIN | 8-32 X 5/8   |
| SC-00832-0750-BIN | 8-32 X 3/4   |

| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 2-56        | .175 | .045 | .028 | .025 |
| 4-40        | .230 | .065 | .035 | .035 |
| 6-32        | .285 | .080 | .045 | .045 |
| 8-32        | .335 | .100 | .050 | .055 |
| 10-24       | .380 | .120 | .055 | .070 |
| 10-32       | .380 | .120 | .055 | .070 |
| 1/4-20      | .515 | .155 | .065 | .095 |

| Item              | Description    |
|-------------------|----------------|
| SC-00832-0875-BIN | 8-32 X 7/8     |
| SC-00832-1000-BIN | 8-32 X 1       |
| SC-00832-1250-BIN | 8-32 X 1 1/4   |
| SC-00832-1500-BIN | 8-32 X 1 1/2   |
| SC-01024-0125-BIN | 10-24 X 1/8    |
| SC-01024-0250-BIN | 10-24 X 1/4    |
| SC-01024-0312-BIN | 10-24 X 5/16   |
| SC-01024-0375-BIN | 10-24 X 3/8    |
| SC-01024-0500-BIN | 10-24 X 1/2    |
| SC-01024-0625-BIN | 10-24 X 5/8    |
| SC-01024-0750-BIN | 10-24 X 3/4    |
| SC-01024-1000-BIN | 10-24 X 1      |
| SC-01024-1250-BIN | 10-24 X 1 1/4  |
| SC-01024-1500-BIN | 10-24 X 1 1/2  |
| SC-01032-0125-BIN | 10-32 X 1/8    |
| SC-01032-0187-BIN | 10-32 X 3/16   |
| SC-01032-0250-BIN | 10-32 X 1/4    |
| SC-01032-0312-BIN | 10-32 X 5/16   |
| SC-01032-0375-BIN | 10-32 X 3/8    |
| SC-01032-0437-BIN | 10-32 X 7/16   |
| SC-01032-0500-BIN | 10-32 X 1/2    |
| SC-01032-0625-BIN | 10-32 X 5/8    |
| SC-01032-0750-BIN | 10-32 X 3/4    |
| SC-01032-0875-BIN | 10-32 X 7/8    |
| SC-01032-1000-BIN | 10-32 X 1      |
| SC-01032-1250-BIN | 10-32 X 1 1/4  |
| SC-01032-1500-BIN | 10-32 X 1 1/2  |
| SC-01420-0250-BIN | 1/4-20 X 1/4   |
| SC-01420-0312-BIN | 1/4-20 X 5/16  |
| SC-01420-0375-BIN | 1/4-20 X 3/8   |
| SC-01420-0437-BIN | 1/4-20 X 7/16  |
| SC-01420-0500-BIN | 1/4-20 X 1/2   |
| SC-01420-0625-BIN | 1/4-20 X 5/8   |
| SC-01420-0750-BIN | 1/4-20 X 3/4   |
| SC-01420-0875-BIN | 1/4-20 X 7/8   |
| SC-01420-1000-BIN | 1/4-20 X 1     |
| SC-01420-1250-BIN | 1/4-20 X 1 1/4 |
| SC-01420-1500-BIN | 1/4-20 X 1 1/2 |



## Slotted Economy Thumb



| Item              | Description   |
|-------------------|---------------|
| SC-00832-0125-ETS | 8-32 X 1/8    |
| SC-00832-0187-ETS | 8-32 X 3/16   |
| SC-00832-0250-ETS | 8-32 X 1/4    |
| SC-00832-0312-ETS | 8-32 X 5/16   |
| SC-00832-0375-ETS | 8-32 X 3/8    |
| SC-00832-0437-ETS | 8-32 X 7/16   |
| SC-00832-0500-ETS | 8-32 X 1/2    |
| SC-00832-0625-ETS | 8-32 X 5/8    |
| SC-00832-0750-ETS | 8-32 X 3/4    |
| SC-00832-0875-ETS | 8-32 X 7/8    |
| SC-00832-1000-ETS | 8-32 X 1      |
| SC-00832-1250-ETS | 8-32 X 1 1/4  |
| SC-00832-1500-ETS | 8-32 X 1 1/2  |
| SC-01024-0125-ETS | 10-24 X 1/8   |
| SC-01024-0250-ETS | 10-24 X 1/4   |
| SC-01024-0312-ETS | 10-24 X 5/16  |
| SC-01024-0375-ETS | 10-24 X 3/8   |
| SC-01024-0500-ETS | 10-24 X 1/2   |
| SC-01024-0625-ETS | 10-24 X 5/8   |
| SC-01024-0750-ETS | 10-24 X 3/4   |
| SC-01024-1000-ETS | 10-24 X 1     |
| SC-01024-1250-ETS | 10-24 X 1 1/4 |
| SC-01024-1500-ETS | 10-24 X 1 1/2 |
| SC-01032-0125-ETS | 10-32 X 1/8   |
| SC-01032-0187-ETS | 10-32 X 3/16  |
| SC-01032-0250-ETS | 10-32 X 1/4   |
| SC-01032-0312-ETS | 10-32 X 5/16  |

| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 8-32        | .325 | .240 | .045 | .060 |
| 10-24       | .350 | .270 | .055 | .070 |
| 10-32       | .350 | .270 | .055 | .070 |
| 1/4-20      | .480 | .370 | .060 | .090 |

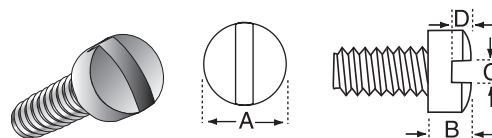
| Item              | Description    |
|-------------------|----------------|
| SC-01032-0375-ETS | 10-32 X 3/8    |
| SC-01032-0437-ETS | 10-32 X 7/16   |
| SC-01032-0500-ETS | 10-32 X 1/2    |
| SC-01032-0625-ETS | 10-32 X 5/8    |
| SC-01032-0750-ETS | 10-32 X 3/4    |
| SC-01032-0875-ETS | 10-32 X 7/8    |
| SC-01032-1000-ETS | 10-32 X 1      |
| SC-01032-1250-ETS | 10-32 X 1 1/4  |
| SC-01032-1500-ETS | 10-32 X 1 1/2  |
| SC-01420-0250-ETS | 1/4-20 X 1/4   |
| SC-01420-0312-ETS | 1/4-20 X 5/16  |
| SC-01420-0375-ETS | 1/4-20 X 3/8   |
| SC-01420-0437-ETS | 1/4-20 X 7/16  |
| SC-01420-0500-ETS | 1/4-20 X 1/2   |
| SC-01420-0625-ETS | 1/4-20 X 5/8   |
| SC-01420-0750-ETS | 1/4-20 X 3/4   |
| SC-01420-0875-ETS | 1/4-20 X 7/8   |
| SC-01420-1000-ETS | 1/4-20 X 1     |
| SC-01420-1250-ETS | 1/4-20 X 1 1/4 |
| SC-01420-1500-ETS | 1/4-20 X 1 1/2 |





# Screws and Studs

## Slotted Fillister



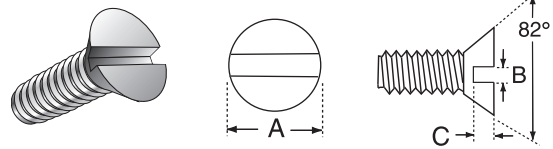
| Item              | Description  |
|-------------------|--------------|
| SC-00080-0093-FIL | 0-80 X 3/32  |
| SC-00080-0125-FIL | 0-80 X 1/8   |
| SC-00080-0187-FIL | 0-80 X 3/16  |
| SC-00080-0250-FIL | 0-80 X 1/4   |
| SC-00080-0281-FIL | 0-80 X 9/32  |
| SC-00080-0375-FIL | 0-80 X 3/8   |
| SC-00080-0437-FIL | 0-80 X 7/16  |
| SC-00080-0500-FIL | 0-80 X 1/2   |
| SC-00080-0531-FIL | 0-80 X 17/32 |
| SC-00440-0125-FIL | 4-40 X 1/8   |
| SC-00440-0187-FIL | 4-40 X 3/16  |
| SC-00440-0250-FIL | 4-40 X 1/4   |
| SC-00440-0281-FIL | 4-40 X 9/32  |
| SC-00440-0312-FIL | 4-40 X 5/16  |
| SC-00440-0375-FIL | 4-40 X 3/8   |
| SC-00440-0437-FIL | 4-40 X 7/16  |
| SC-00440-0500-FIL | 4-40 X 1/2   |
| SC-00440-0625-FIL | 4-40 X 5/8   |
| SC-00440-0750-FIL | 4-40 X 3/4   |
| SC-00440-0875-FIL | 4-40 X 7/8   |
| SC-00440-1000-FIL | 4-40 X 1     |
| SC-00440-1250-FIL | 4-40 X 1 1/4 |
| SC-00440-1375-FIL | 4-40 X 1 3/8 |
| SC-00440-1500-FIL | 4-40 X 1 1/2 |
| SC-00632-0125-FIL | 6-32 X 1/8   |
| SC-00632-0187-FIL | 6-32 X 3/16  |
| SC-00632-0250-FIL | 6-32 X 1/4   |
| SC-00632-0312-FIL | 6-32 X 5/16  |
| SC-00632-0375-FIL | 6-32 X 3/8   |
| SC-00632-0437-FIL | 6-32 X 7/16  |
| SC-00632-0500-FIL | 6-32 X 1/2   |
| SC-00632-0562-FIL | 6-32 X 9/16  |
| SC-00632-0625-FIL | 6-32 X 5/8   |
| SC-00632-0750-FIL | 6-32 X 3/4   |
| SC-00632-0875-FIL | 6-32 X 7/8   |
| SC-00632-1000-FIL | 6-32 X 1     |
| SC-00632-1125-FIL | 6-32 X 1 1/8 |
| SC-00632-1250-FIL | 6-32 X 1 1/4 |
| SC-00632-1500-FIL | 6-32 X 1 1/2 |
| SC-00832-0125-FIL | 8-32 X 1/8   |
| SC-00832-0187-FIL | 8-32 X 3/16  |
| SC-00832-0250-FIL | 8-32 X 1/4   |
| SC-00832-0312-FIL | 8-32 X 5/16  |
| SC-00832-0375-FIL | 8-32 X 3/8   |
| SC-00832-0437-FIL | 8-32 X 7/16  |
| SC-00832-0500-FIL | 8-32 X 1/2   |
| SC-00832-0625-FIL | 8-32 X 5/8   |
| SC-00832-0750-FIL | 8-32 X 3/4   |
| SC-00832-0875-FIL | 8-32 X 7/8   |
| SC-00832-1000-FIL | 8-32 X 1     |

| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 0-80        | .090 | .055 | .020 | .025 |
| 4-40        | .180 | .100 | .025 | .040 |
| 6-32        | .215 | .125 | .045 | .050 |
| 8-32        | .260 | .145 | .050 | .060 |
| 10-24       | .300 | .165 | .045 | .070 |
| 10-32       | .300 | .165 | .045 | .070 |
| 1/4-20      | .400 | .230 | .055 | .095 |
| 5/16-18     | .425 | .225 | .070 | .100 |

| Item              | Description     |
|-------------------|-----------------|
| SC-00832-1250-FIL | 8-32 X 1 1/4    |
| SC-00832-1500-FIL | 8-32 X 1 1/2    |
| SC-01024-0125-FIL | 10-24 X 1/8     |
| SC-01024-0250-FIL | 10-24 X 1/4     |
| SC-01024-0312-FIL | 10-24 X 5/16    |
| SC-01024-0375-FIL | 10-24 X 3/8     |
| SC-01024-0500-FIL | 10-24 X 1/2     |
| SC-01024-0625-FIL | 10-24 X 5/8     |
| SC-01024-0750-FIL | 10-24 X 3/4     |
| SC-01024-1000-FIL | 10-24 X 1       |
| SC-01024-1250-FIL | 10-24 X 1 1/4   |
| SC-01024-1500-FIL | 10-24 X 1 1/2   |
| SC-01032-0125-FIL | 10-32 X 1/8     |
| SC-01032-0187-FIL | 10-32 X 3/16    |
| SC-01032-0250-FIL | 10-32 X 1/4     |
| SC-01032-0312-FIL | 10-32 X 5/16    |
| SC-01032-0375-FIL | 10-32 X 3/8     |
| SC-01032-0437-FIL | 10-32 X 7/16    |
| SC-01032-0500-FIL | 10-32 X 1/2     |
| SC-01032-0625-FIL | 10-32 X 5/8     |
| SC-01032-0750-FIL | 10-32 X 3/4     |
| SC-01032-0875-FIL | 10-32 X 7/8     |
| SC-01032-1000-FIL | 10-32 X 1       |
| SC-01032-1250-FIL | 10-32 X 1 1/4   |
| SC-01032-1500-FIL | 10-32 X 1 1/2   |
| SC-01420-0250-FIL | 1/4-20 X 1/4    |
| SC-01420-0312-FIL | 1/4-20 X 5/16   |
| SC-01420-0375-FIL | 1/4-20 X 3/8    |
| SC-01420-0437-FIL | 1/4-20 X 7/16   |
| SC-01420-0500-FIL | 1/4-20 X 1/2    |
| SC-01420-0625-FIL | 1/4-20 X 5/8    |
| SC-01420-0750-FIL | 1/4-20 X 3/4    |
| SC-01420-0875-FIL | 1/4-20 X 7/8    |
| SC-01420-1000-FIL | 1/4-20 X 1      |
| SC-01420-1250-FIL | 1/4-20 X 1 1/4  |
| SC-01420-1500-FIL | 1/4-20 X 1 1/2  |
| SC-51618-0500-FIL | 5/16-18 X 1/2   |
| SC-51618-0750-FIL | 5/16-18 X 3/4   |
| SC-51618-1000-FIL | 5/16-18 X 1     |
| SC-51618-1375-FIL | 5/16-18 X 1 3/8 |
| SC-51618-1500-FIL | 5/16-18 X 1 1/2 |



## Slotted 82 Degree Flat

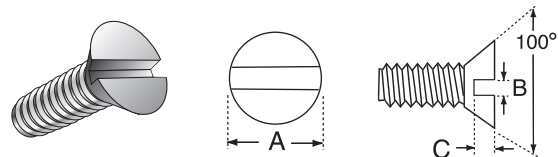


| Item              | Description |
|-------------------|-------------|
| SC-00080-0125-F82 | 0-80 X 1/8  |
| SC-00080-0218-F82 | 0-80 X 7/32 |
| SC-00256-0375-F82 | 2-56 X 3/8  |
| SC-00256-0500-F82 | 2-56 X 1/2  |
| SC-00440-0125-F82 | 4-40 X 1/8  |
| SC-00440-0187-F82 | 4-40 X 3/16 |
| SC-00440-0250-F82 | 4-40 X 1/4  |
| SC-00440-0312-F82 | 4-40 X 5/16 |
| SC-00440-0375-F82 | 4-40 X 3/8  |
| SC-00440-0500-F82 | 4-40 X 1/2  |
| SC-00440-0625-F82 | 4-40 X 5/8  |
| SC-00440-0750-F82 | 4-40 X 3/4  |
| SC-00440-0875-F82 | 4-40 X 7/8  |
| SC-00440-1000-F82 | 4-40 X 1    |
| SC-00632-0250-F82 | 6-32 X 1/4  |
| SC-00632-0375-F82 | 6-32 X 3/8  |
| SC-00632-0437-F82 | 6-32 X 7/16 |
| SC-00632-0500-F82 | 6-32 X 1/2  |
| SC-00632-0625-F82 | 6-32 X 5/8  |
| SC-00632-0750-F82 | 6-32 X 3/4  |
| SC-00632-0875-F82 | 6-32 X 7/8  |
| SC-00632-1000-F82 | 6-32 X 1    |
| SC-00832-0250-F82 | 8-32 X 1/4  |
| SC-00832-0375-F82 | 8-32 X 3/8  |
| SC-00832-0500-F82 | 8-32 X 1/2  |
| SC-00832-0625-F82 | 8-32 X 5/8  |
| SC-00832-0750-F82 | 8-32 X 3/4  |
| SC-00832-1000-F82 | 8-32 X 1    |
| SC-01024-0375-F82 | 10-24 X 3/8 |
| SC-01024-0500-F82 | 10-24 X 1/2 |
| SC-01024-1000-F82 | 10-24 X 1   |

| THREAD SIZE | A    | B    | C    |
|-------------|------|------|------|
| 0-80        | .110 | .020 | .015 |
| 2-56        | .160 | .028 | .020 |
| 4-40        | .210 | .035 | .025 |
| 6-32        | .260 | .045 | .030 |
| 8-32        | .312 | .050 | .035 |
| 10-24       | .365 | .055 | .045 |
| 10-32       | .365 | .055 | .045 |
| 1/4-20      | .480 | .070 | .060 |
| 5/16-18     | .600 | .078 | .075 |
| 3/8-16      | .725 | .075 | .120 |

| Item              | Description    |
|-------------------|----------------|
| SC-01032-0375-F82 | 10-32 X 3/8    |
| SC-01032-0500-F82 | 10-32 X 1/2    |
| SC-01032-0625-F82 | 10-32 X 5/8    |
| SC-01032-0750-F82 | 10-32 X 3/4    |
| SC-01032-1000-F82 | 10-32 X 1      |
| SC-01032-1250-F82 | 10-32 X 1 1/4  |
| SC-01032-1500-F82 | 10-32 X 1 1/2  |
| SC-01420-0500-F82 | 1/4-20 X 1/2   |
| SC-01420-0625-F82 | 1/4-20 X 5/8   |
| SC-01420-0750-F82 | 1/4-20 X 3/4   |
| SC-01420-1000-F82 | 1/4-20 X 1     |
| SC-01420-1250-F82 | 1/4-20 X 1 1/4 |
| SC-01420-1500-F82 | 1/4-20 X 1 1/2 |
| SC-51618-1000-F82 | 5/16-18 X 1    |
| SC-03816-0750-F82 | 3/8-16 X 3/4   |
| SC-03816-1000-F82 | 3/8-16 X 1     |
| SC-03816-1500-F82 | 3/8-16 X 1 1/2 |
| SC-03816-2000-F82 | 3/8-16 X 2     |
| SC-03816-2500-F82 | 3/8-16 X 2 1/2 |

## Slotted 100 Degree Flat

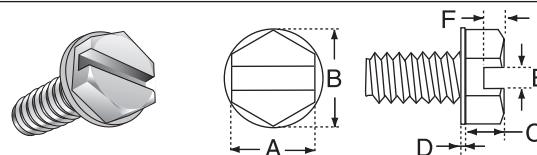


| Item              | Description  |
|-------------------|--------------|
| SC-00440-0312-F10 | 4-40 X 5/16  |
| SC-00632-0500-F10 | 6-32 X 1/2   |
| SC-00832-0375-F10 | 8-32 X 3/8   |
| SC-01420-0500-F10 | 1/4-20 X 1/2 |

| THREAD SIZE | A    | B    | C    |
|-------------|------|------|------|
| 4-40        | .210 | .035 | .020 |
| 6-32        | .260 | .045 | .027 |
| 8-32        | .312 | .050 | .032 |
| 1/4-20      | .450 | .070 | .045 |



## Slotted Hex Washer Head

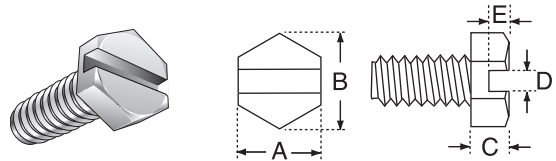


| Item              | Description  |
|-------------------|--------------|
| SC-00440-0125-SHW | 4-40 X 1/8   |
| SC-00440-0187-SHW | 4-40 X 3/16  |
| SC-00440-0250-SHW | 4-40 X 1/4   |
| SC-00440-0281-SHW | 4-40 X 9/32  |
| SC-00440-0312-SHW | 4-40 X 5/16  |
| SC-00440-0375-SHW | 4-40 X 3/8   |
| SC-00440-0437-SHW | 4-40 X 7/16  |
| SC-00440-0500-SHW | 4-40 X 1/2   |
| SC-00440-0625-SHW | 4-40 X 5/8   |
| SC-00440-0750-SHW | 4-40 X 3/4   |
| SC-00440-0875-SHW | 4-40 X 7/8   |
| SC-00440-1000-SHW | 4-40 X 1     |
| SC-00440-1250-SHW | 4-40 X 1 1/4 |
| SC-00440-1375-SHW | 4-40 X 1 3/8 |
| SC-00440-1500-SHW | 4-40 X 1 1/2 |
| SC-00832-0125-SHW | 8-32 X 1/8   |
| SC-00832-0187-SHW | 8-32 X 3/16  |
| SC-00832-0250-SHW | 8-32 X 1/4   |
| SC-00832-0312-SHW | 8-32 X 5/16  |
| SC-00832-0375-SHW | 8-32 X 3/8   |
| SC-00832-0437-SHW | 8-32 X 7/16  |
| SC-00832-0500-SHW | 8-32 X 1/2   |
| SC-00832-0625-SHW | 8-32 X 5/8   |
| SC-00832-0750-SHW | 8-32 X 3/4   |
| SC-00832-0875-SHW | 8-32 X 7/8   |
| SC-00832-1000-SHW | 8-32 X 1     |
| SC-00832-1250-SHW | 8-32 X 1 1/4 |
| SC-00832-1500-SHW | 8-32 X 1 1/2 |
| SC-01024-0125-SHW | 10-24 X 1/8  |
| SC-01024-0250-SHW | 10-24 X 1/4  |
| SC-01024-0312-SHW | 10-24 X 5/16 |
| SC-01024-0375-SHW | 10-24 X 3/8  |
| SC-01024-0500-SHW | 10-24 X 1/2  |
| SC-01024-0625-SHW | 10-24 X 5/8  |

| THREAD SIZE | A    | REF. B | C    | D    | E    | F    |
|-------------|------|--------|------|------|------|------|
| 4-40        | .187 | .235   | .060 | .015 | .035 | .035 |
| 8-32        | .245 | .330   | .100 | .025 | .045 | .065 |
| 10-24       | .310 | .340   | .110 | .035 | .055 | .070 |
| 10-32       | .310 | .340   | .110 | .035 | .055 | .070 |
| 1/4-20      | .371 | .500   | .181 | .050 | .069 | .092 |

| Item              | Description    |
|-------------------|----------------|
| SC-01024-0750-SHW | 10-24 X 3/4    |
| SC-01024-1000-SHW | 10-24 X 1      |
| SC-01024-1250-SHW | 10-24 X 1 1/4  |
| SC-01024-1500-SHW | 10-24 X 1 1/2  |
| SC-01032-0125-SHW | 10-32 X 1/8    |
| SC-01032-0187-SHW | 10-32 X 3/16   |
| SC-01032-0250-SHW | 10-32 X 1/4    |
| SC-01032-0312-SHW | 10-32 X 5/16   |
| SC-01032-0375-SHW | 10-32 X 3/8    |
| SC-01032-0437-SHW | 10-32 X 7/16   |
| SC-01032-0500-SHW | 10-32 X 1/2    |
| SC-01032-0625-SHW | 10-32 X 5/8    |
| SC-01032-0750-SHW | 10-32 X 3/4    |
| SC-01032-0875-SHW | 10-32 X 7/8    |
| SC-01032-1000-SHW | 10-32 X 1      |
| SC-01032-1250-SHW | 10-32 X 1 1/4  |
| SC-01032-1500-SHW | 10-32 X 1 1/2  |
| SC-01420-0250-SHW | 1/4-20 X 1/4   |
| SC-01420-0312-SHW | 1/4-20 X 5/16  |
| SC-01420-0375-SHW | 1/4-20 X 3/8   |
| SC-01420-0437-SHW | 1/4-20 X 7/16  |
| SC-01420-0500-SHW | 1/4-20 X 1/2   |
| SC-01420-0625-SHW | 1/4-20 X 5/8   |
| SC-01420-0750-SHW | 1/4-20 X 3/4   |
| SC-01420-0875-SHW | 1/4-20 X 7/8   |
| SC-01420-1000-SHW | 1/4-20 X 1     |
| SC-01420-1250-SHW | 1/4-20 X 1 1/4 |
| SC-01420-1500-SHW | 1/4-20 X 1 1/2 |

## Slotted Machine Hex



| Item              | Description  |
|-------------------|--------------|
| SC-00440-0125-SMH | 4-40 X 1/8   |
| SC-00440-0187-SMH | 4-40 X 3/16  |
| SC-00440-0250-SMH | 4-40 X 1/4   |
| SC-00440-0281-SMH | 4-40 X 9/32  |
| SC-00440-0312-SMH | 4-40 X 5/16  |
| SC-00440-0375-SMH | 4-40 X 3/8   |
| SC-00440-0437-SMH | 4-40 X 7/16  |
| SC-00440-0500-SMH | 4-40 X 1/2   |
| SC-00440-0625-SMH | 4-40 X 5/8   |
| SC-00440-0750-SMH | 4-40 X 3/4   |
| SC-00440-0875-SMH | 4-40 X 7/8   |
| SC-00440-1000-SMH | 4-40 X 1     |
| SC-00440-1250-SMH | 4-40 X 1 1/4 |
| SC-00440-1375-SMH | 4-40 X 1 3/8 |
| SC-00440-1500-SMH | 4-40 X 1 1/2 |
| SC-00632-0125-SMH | 6-32 X 1/8   |
| SC-00632-0187-SMH | 6-32 X 3/16  |
| SC-00632-0250-SMH | 6-32 X 1/4   |
| SC-00632-0312-SMH | 6-32 X 5/16  |
| SC-00632-0375-SMH | 6-32 X 3/8   |
| SC-00632-0437-SMH | 6-32 X 7/16  |
| SC-00632-0500-SMH | 6-32 X 1/2   |
| SC-00632-0562-SMH | 6-32 X 9/16  |
| SC-00632-0625-SMH | 6-32 X 5/8   |
| SC-00632-0750-SMH | 6-32 X 3/4   |
| SC-00632-0875-SMH | 6-32 X 7/8   |
| SC-00632-1000-SMH | 6-32 X 1     |
| SC-00632-1125-SMH | 6-32 X 1 1/8 |
| SC-00632-1250-SMH | 6-32 X 1 1/4 |
| SC-00632-1500-SMH | 6-32 X 1 1/2 |
| SC-00832-0125-SMH | 8-32 X 1/8   |
| SC-00832-0187-SMH | 8-32 X 3/16  |
| SC-00832-0250-SMH | 8-32 X 1/4   |
| SC-00832-0312-SMH | 8-32 X 5/16  |
| SC-00832-0375-SMH | 8-32 X 3/8   |
| SC-00832-0437-SMH | 8-32 X 7/16  |
| SC-00832-0500-SMH | 8-32 X 1/2   |
| SC-00832-0625-SMH | 8-32 X 5/8   |
| SC-00832-0750-SMH | 8-32 X 3/4   |
| SC-00832-0875-SMH | 8-32 X 7/8   |
| SC-00832-1000-SMH | 8-32 X 1     |
| SC-00832-1250-SMH | 8-32 X 1 1/4 |
| SC-00832-1500-SMH | 8-32 X 1 1/2 |
| SC-01024-0125-SMH | 10-24 X 1/8  |

| THREAD SIZE | A    | REF. B | C    | D    | E    |
|-------------|------|--------|------|------|------|
| 4-40        | .185 | .202   | .055 | .035 | .035 |
| 6-32        | .255 | .272   | .095 | .035 | .040 |
| 8-32        | .250 | .272   | .100 | .050 | .055 |
| 10-24       | .310 | .340   | .110 | .055 | .065 |
| 10-32       | .310 | .340   | .110 | .055 | .065 |
| 1/4-20      | .370 | .409   | .185 | .070 | .090 |

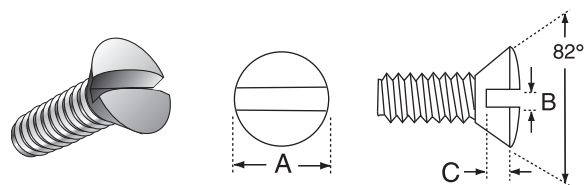
| Item              | Description    |
|-------------------|----------------|
| SC-01024-0250-SMH | 10-24 X 1/4    |
| SC-01024-0312-SMH | 10-24 X 5/16   |
| SC-01024-0375-SMH | 10-24 X 3/8    |
| SC-01024-0500-SMH | 10-24 X 1/2    |
| SC-01024-0625-SMH | 10-24 X 5/8    |
| SC-01024-0750-SMH | 10-24 X 3/4    |
| SC-01024-1000-SMH | 10-24 X 1      |
| SC-01024-1250-SMH | 10-24 X 1 1/4  |
| SC-01024-1500-SMH | 10-24 X 1 1/2  |
| SC-01032-0125-SMH | 10-32 X 1/8    |
| SC-01032-0187-SMH | 10-32 X 3/16   |
| SC-01032-0250-SMH | 10-32 X 1/4    |
| SC-01032-0312-SMH | 10-32 X 5/16   |
| SC-01032-0375-SMH | 10-32 X 3/8    |
| SC-01032-0437-SMH | 10-32 X 7/16   |
| SC-01032-0500-SMH | 10-32 X 1/2    |
| SC-01032-0625-SMH | 10-32 X 5/8    |
| SC-01032-0750-SMH | 10-32 X 3/4    |
| SC-01032-0875-SMH | 10-32 X 7/8    |
| SC-01032-1000-SMH | 10-32 X 1      |
| SC-01032-1250-SMH | 10-32 X 1 1/4  |
| SC-01032-1500-SMH | 10-32 X 1 1/2  |
| SC-01420-0250-SMH | 1/4-20 X 1/4   |
| SC-01420-0312-SMH | 1/4-20 X 5/16  |
| SC-01420-0375-SMH | 1/4-20 X 3/8   |
| SC-01420-0437-SMH | 1/4-20 X 7/16  |
| SC-01420-0500-SMH | 1/4-20 X 1/2   |
| SC-01420-0625-SMH | 1/4-20 X 5/8   |
| SC-01420-0750-SMH | 1/4-20 X 3/4   |
| SC-01420-0875-SMH | 1/4-20 X 7/8   |
| SC-01420-1000-SMH | 1/4-20 X 1     |
| SC-01420-1250-SMH | 1/4-20 X 1 1/4 |
| SC-01420-1500-SMH | 1/4-20 X 1 1/2 |
| SC-01420-2000-SMH | 1/4-20 X 2     |
| SC-01420-2500-SMH | 1/4-20 X 2 1/2 |



# Screws and Studs

## Slotted Oval

| Item              | Description |
|-------------------|-------------|
| SC-00632-0250-OVL | 6-32 X 1/4  |
| SC-00632-0375-OVL | 6-32 X 3/8  |
| SC-00632-0437-OVL | 6-32 X 7/16 |
| SC-00632-0500-OVL | 6-32 X 1/2  |
| SC-00632-0625-OVL | 6-32 X 5/8  |
| SC-00632-0750-OVL | 6-32 X 3/4  |
| SC-00632-0875-OVL | 6-32 X 7/8  |
| SC-00632-1000-OVL | 6-32 X 1    |
| SC-01024-0375-OVL | 10-24 X 3/8 |
| SC-01024-0500-OVL | 10-24 X 1/2 |
| SC-01024-1000-OVL | 10-24 X 1   |
| SC-01032-0375-OVL | 10-32 X 3/8 |

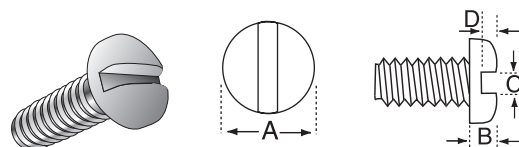


| THREAD SIZE | A    | B    | C    |
|-------------|------|------|------|
| 6-32        | .279 | .045 | .067 |
| 10-24       | .385 | .055 | .093 |
| 10-32       | .385 | .055 | .093 |

| Item              | Description   |
|-------------------|---------------|
| SC-01032-0500-OVL | 10-32 X 1/2   |
| SC-01032-0625-OVL | 10-32 X 5/8   |
| SC-01032-0750-OVL | 10-32 X 3/4   |
| SC-01032-1000-OVL | 10-32 X 1     |
| SC-01032-1250-OVL | 10-32 X 1 1/4 |
| SC-01032-1500-OVL | 10-32 X 1 1/2 |

## Slotted Pan

| Item              | Description  |
|-------------------|--------------|
| SC-00080-0093-PAN | 0-80 X 3/32  |
| SC-00080-0125-PAN | 0-80 X 1/8   |
| SC-00080-0187-PAN | 0-80 X 3/16  |
| SC-00080-0250-PAN | 0-80 X 1/4   |
| SC-00080-0281-PAN | 0-80 X 9/32  |
| SC-00080-0375-PAN | 0-80 X 3/8   |
| SC-00080-0437-PAN | 0-80 X 7/16  |
| SC-00080-0500-PAN | 0-80 X 1/2   |
| SC-00080-0531-PAN | 0-80 X 17/32 |
| SC-00172-0250-PAN | 1-72 X 1/4   |
| SC-00172-0375-PAN | 1-72 X 3/8   |
| SC-00172-0500-PAN | 1-72 X 1/2   |
| SC-00256-0125-PAN | 2-56 X 1/8   |
| SC-00256-0187-PAN | 2-56 X 3/16  |
| SC-00256-0250-PAN | 2-56 X 1/4   |
| SC-00256-0281-PAN | 2-56 X 9/32  |
| SC-00256-0312-PAN | 2-56 X 5/16  |
| SC-00256-0375-PAN | 2-56 X 3/8   |
| SC-00256-0437-PAN | 2-56 X 7/16  |
| SC-00256-0500-PAN | 2-56 X 1/2   |
| SC-00256-0750-PAN | 2-56 X 3/4   |
| SC-00256-1000-PAN | 2-56 X 1     |
| SC-00440-0125-PAN | 4-40 X 1/8   |
| SC-00440-0187-PAN | 4-40 X 3/16  |
| SC-00440-0250-PAN | 4-40 X 1/4   |
| SC-00440-0281-PAN | 4-40 X 9/32  |
| SC-00440-0312-PAN | 4-40 X 5/16  |
| SC-00440-0375-PAN | 4-40 X 3/8   |
| SC-00440-0437-PAN | 4-40 X 7/16  |
| SC-00440-0500-PAN | 4-40 X 1/2   |
| SC-00440-0625-PAN | 4-40 X 5/8   |
| SC-00440-0750-PAN | 4-40 X 3/4   |
| SC-00440-0875-PAN | 4-40 X 7/8   |



| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 0-80        | .110 | .040 | .020 | .018 |
| 1-72        | .135 | .042 | .022 | .026 |
| 2-56        | .160 | .050 | .028 | .025 |
| 4-40        | .215 | .065 | .035 | .035 |
| 6-32        | .265 | .075 | .045 | .045 |
| 8-32        | .310 | .090 | .050 | .050 |
| 10-24       | .365 | .105 | .055 | .055 |
| 10-32       | .365 | .105 | .055 | .055 |
| 1/4-20      | .480 | .135 | .070 | .080 |
| 1/2-13      | .973 | .270 | .098 | .146 |

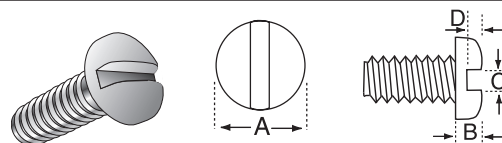
| Item              | Description  |
|-------------------|--------------|
| SC-00440-1000-PAN | 4-40 X 1     |
| SC-00440-1250-PAN | 4-40 X 1 1/4 |
| SC-00440-1375-PAN | 4-40 X 1 3/8 |
| SC-00440-1500-PAN | 4-40 X 1 1/2 |
| SC-00632-0125-PAN | 6-32 X 1/8   |
| SC-00632-0187-PAN | 6-32 X 3/16  |
| SC-00632-0250-PAN | 6-32 X 1/4   |
| SC-00632-0312-PAN | 6-32 X 5/16  |
| SC-00632-0375-PAN | 6-32 X 3/8   |
| SC-00632-0437-PAN | 6-32 X 7/16  |
| SC-00632-0500-PAN | 6-32 X 1/2   |
| SC-00632-0562-PAN | 6-32 X 9/16  |
| SC-00632-0625-PAN | 6-32 X 5/8   |
| SC-00632-0750-PAN | 6-32 X 3/4   |
| SC-00632-0875-PAN | 6-32 X 7/8   |
| SC-00632-1000-PAN | 6-32 X 1     |
| SC-00632-1125-PAN | 6-32 X 1 1/8 |
| SC-00632-1250-PAN | 6-32 X 1 1/4 |
| SC-00632-1500-PAN | 6-32 X 1 1/2 |
| SC-00832-0125-PAN | 8-32 X 1/8   |
| SC-00832-0187-PAN | 8-32 X 3/16  |

(continued)



## Slotted Pan (continued)

| Item              | Description   |
|-------------------|---------------|
| SC-00832-0250-PAN | 8-32 X 1/4    |
| SC-00832-0312-PAN | 8-32 X 5/16   |
| SC-00832-0375-PAN | 8-32 X 3/8    |
| SC-00832-0437-PAN | 8-32 X 7/16   |
| SC-00832-0500-PAN | 8-32 X 1/2    |
| SC-00832-0625-PAN | 8-32 X 5/8    |
| SC-00832-0750-PAN | 8-32 X 3/4    |
| SC-00832-0875-PAN | 8-32 X 7/8    |
| SC-00832-1000-PAN | 8-32 X 1      |
| SC-00832-1250-PAN | 8-32 X 1 1/4  |
| SC-00832-1500-PAN | 8-32 X 1 1/2  |
| SC-01024-0125-PAN | 10-24 X 1/8   |
| SC-01024-0250-PAN | 10-24 X 1/4   |
| SC-01024-0312-PAN | 10-24 X 5/16  |
| SC-01024-0375-PAN | 10-24 X 3/8   |
| SC-01024-0500-PAN | 10-24 X 1/2   |
| SC-01024-0625-PAN | 10-24 X 5/8   |
| SC-01024-0750-PAN | 10-24 X 3/4   |
| SC-01024-1000-PAN | 10-24 X 1     |
| SC-01024-1250-PAN | 10-24 X 1 1/4 |
| SC-01024-1500-PAN | 10-24 X 1 1/2 |
| SC-01032-0125-PAN | 10-32 X 1/8   |
| SC-01032-0187-PAN | 10-32 X 3/16  |
| SC-01032-0250-PAN | 10-32 X 1/4   |
| SC-01032-0312-PAN | 10-32 X 5/16  |
| SC-01032-0375-PAN | 10-32 X 3/8   |
| SC-01032-0437-PAN | 10-32 X 7/16  |
| SC-01032-0500-PAN | 10-32 X 1/2   |

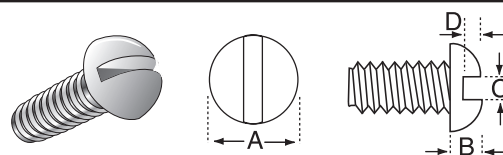


| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 0-80        | .110 | .040 | .020 | .018 |
| 2-56        | .160 | .050 | .028 | .025 |
| 4-40        | .215 | .065 | .035 | .035 |
| 6-32        | .265 | .075 | .045 | .045 |
| 8-32        | .310 | .090 | .050 | .050 |
| 10-24       | .365 | .105 | .055 | .055 |
| 10-32       | .365 | .105 | .055 | .055 |
| 1/4-20      | .480 | .135 | .070 | .080 |
| 1/2-13      | .973 | .270 | .098 | .146 |

| Item              | Description    |
|-------------------|----------------|
| SC-01032-0625-PAN | 10-32 X 5/8    |
| SC-01032-0750-PAN | 10-32 X 3/4    |
| SC-01032-0875-PAN | 10-32 X 7/8    |
| SC-01032-1000-PAN | 10-32 X 1      |
| SC-01032-1250-PAN | 10-32 X 1 1/4  |
| SC-01032-1500-PAN | 10-32 X 1 1/2  |
| SC-01420-0250-PAN | 1/4-20 X 1/4   |
| SC-01420-0312-PAN | 1/4-20 X 5/16  |
| SC-01420-0375-PAN | 1/4-20 X 3/8   |
| SC-01420-0437-PAN | 1/4-20 X 7/16  |
| SC-01420-0500-PAN | 1/4-20 X 1/2   |
| SC-01420-0625-PAN | 1/4-20 X 5/8   |
| SC-01420-0750-PAN | 1/4-20 X 3/4   |
| SC-01420-0875-PAN | 1/4-20 X 7/8   |
| SC-01420-1000-PAN | 1/4-20 X 1     |
| SC-01420-1250-PAN | 1/4-20 X 1 1/4 |
| SC-01420-1500-PAN | 1/4-20 X 1 1/2 |
| SC-01213-0750-PAN | 1/2-13 X 3/4   |
| SC-01213-1000-PAN | 1/2-13 X 1     |

## Slotted Round

| Item              | Description |
|-------------------|-------------|
| SC-00256-0125-RND | 2-56 X 1/8  |
| SC-00256-0187-RND | 2-56 X 3/16 |
| SC-00256-0250-RND | 2-56 X 1/4  |
| SC-00256-0281-RND | 2-56 X 9/32 |
| SC-00256-0312-RND | 2-56 X 5/16 |
| SC-00256-0375-RND | 2-56 X 3/8  |
| SC-00256-0437-RND | 2-56 X 7/16 |
| SC-00256-0500-RND | 2-56 X 1/2  |
| SC-00256-0750-RND | 2-56 X 3/4  |
| SC-00256-1000-RND | 2-56 X 1    |
| SC-00440-0125-RND | 4-40 X 1/8  |
| SC-00440-0187-RND | 4-40 X 3/16 |
| SC-00440-0250-RND | 4-40 X 1/4  |
| SC-00440-0281-RND | 4-40 X 9/32 |
| SC-00440-0312-RND | 4-40 X 5/16 |
| SC-00440-0375-RND | 4-40 X 3/8  |
| SC-00440-0437-RND | 4-40 X 7/16 |



| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 2-56        | .150 | .070 | .028 | .045 |
| 4-40        | .205 | .080 | .035 | .050 |
| 6-32        | .250 | .100 | .045 | .060 |
| 8-32        | .290 | .110 | .050 | .065 |
| 10-24       | .340 | .130 | .055 | .075 |
| 10-32       | .340 | .130 | .055 | .075 |
| 1/4-20      | .450 | .160 | .070 | .090 |
| 5/16-18     | .565 | .200 | .065 | .120 |
| 3/8-16      | .690 | .250 | .100 | .135 |

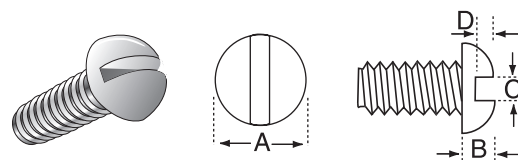
| Item              | Description |
|-------------------|-------------|
| SC-00440-0500-RND | 4-40 X 1/2  |
| SC-00440-0625-RND | 4-40 X 5/8  |
| SC-00440-0750-RND | 4-40 X 3/4  |
| SC-00440-0875-RND | 4-40 X 7/8  |
| SC-00440-1000-RND | 4-40 X 1    |

(continued)





## Slotted Round (continued)



| Item              | Description   |
|-------------------|---------------|
| SC-00440-1250-RND | 4-40 X 1 1/4  |
| SC-00440-1375-RND | 4-40 X 1 3/8  |
| SC-00440-1500-RND | 4-40 X 1 1/2  |
| SC-00632-0125-RND | 6-32 X 1/8    |
| SC-00632-0187-RND | 6-32 X 3/16   |
| SC-00632-0250-RND | 6-32 X 1/4    |
| SC-00632-0312-RND | 6-32 X 5/16   |
| SC-00632-0375-RND | 6-32 X 3/8    |
| SC-00632-0437-RND | 6-32 X 7/16   |
| SC-00632-0500-RND | 6-32 X 1/2    |
| SC-00632-0562-RND | 6-32 X 9/16   |
| SC-00632-0625-RND | 6-32 X 5/8    |
| SC-00632-0750-RND | 6-32 X 3/4    |
| SC-00632-0875-RND | 6-32 X 7/8    |
| SC-00632-1000-RND | 6-32 X 1      |
| SC-00632-1125-RND | 6-32 X 1 1/8  |
| SC-00632-1250-RND | 6-32 X 1 1/4  |
| SC-00632-1500-RND | 6-32 X 1 1/2  |
| SC-00832-0125-RND | 8-32 X 1/8    |
| SC-00832-0187-RND | 8-32 X 3/16   |
| SC-00832-0250-RND | 8-32 X 1/4    |
| SC-00832-0312-RND | 8-32 X 5/16   |
| SC-00832-0375-RND | 8-32 X 3/8    |
| SC-00832-0437-RND | 8-32 X 7/16   |
| SC-00832-0500-RND | 8-32 X 1/2    |
| SC-00832-0625-RND | 8-32 X 5/8    |
| SC-00832-0750-RND | 8-32 X 3/4    |
| SC-00832-0875-RND | 8-32 X 7/8    |
| SC-00832-1000-RND | 8-32 X 1      |
| SC-00832-1250-RND | 8-32 X 1 1/4  |
| SC-00832-1500-RND | 8-32 X 1 1/2  |
| SC-01024-0125-RND | 10-24 X 1/8   |
| SC-01024-0250-RND | 10-24 X 1/4   |
| SC-01024-0312-RND | 10-24 X 5/16  |
| SC-01024-0375-RND | 10-24 X 3/8   |
| SC-01024-0500-RND | 10-24 X 1/2   |
| SC-01024-0625-RND | 10-24 X 5/8   |
| SC-01024-0750-RND | 10-24 X 3/4   |
| SC-01024-1000-RND | 10-24 X 1     |
| SC-01024-1250-RND | 10-24 X 1 1/4 |
| SC-01024-1500-RND | 10-24 X 1 1/2 |
| SC-01032-0125-RND | 10-32 X 1/8   |
| SC-01032-0187-RND | 10-32 X 3/16  |
| SC-01032-0250-RND | 10-32 X 1/4   |

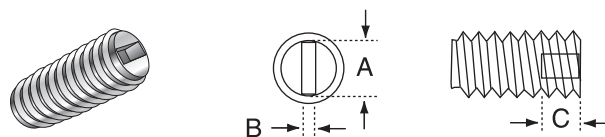
| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 2-56        | .150 | .070 | .028 | .045 |
| 4-40        | .205 | .080 | .035 | .050 |
| 6-32        | .250 | .100 | .045 | .060 |
| 8-32        | .290 | .110 | .050 | .065 |
| 10-24       | .340 | .130 | .055 | .075 |
| 10-32       | .340 | .130 | .055 | .075 |
| 1/4-20      | .450 | .160 | .070 | .090 |
| 5/16-18     | .565 | .200 | .065 | .120 |
| 3/8-16      | .690 | .250 | .100 | .135 |

| Item              | Description     |
|-------------------|-----------------|
| SC-01032-0312-RND | 10-32 X 5/16    |
| SC-01032-0375-RND | 10-32 X 3/8     |
| SC-01032-0437-RND | 10-32 X 7/16    |
| SC-01032-0500-RND | 10-32 X 1/2     |
| SC-01032-0625-RND | 10-32 X 5/8     |
| SC-01032-0750-RND | 10-32 X 3/4     |
| SC-01032-0875-RND | 10-32 X 7/8     |
| SC-01032-1000-RND | 10-32 X 1       |
| SC-01032-1250-RND | 10-32 X 1 1/4   |
| SC-01032-1500-RND | 10-32 X 1 1/2   |
| SC-01420-0250-RND | 1/4-20 X 1/4    |
| SC-01420-0312-RND | 1/4-20 X 5/16   |
| SC-01420-0375-RND | 1/4-20 X 3/8    |
| SC-01420-0437-RND | 1/4-20 X 7/16   |
| SC-01420-0500-RND | 1/4-20 X 1/2    |
| SC-01420-0625-RND | 1/4-20 X 5/8    |
| SC-01420-0750-RND | 1/4-20 X 3/4    |
| SC-01420-0875-RND | 1/4-20 X 7/8    |
| SC-01420-1000-RND | 1/4-20 X 1      |
| SC-01420-1250-RND | 1/4-20 X 1 1/4  |
| SC-01420-1500-RND | 1/4-20 X 1 1/2  |
| SC-51618-0500-RND | 5/16-18 X 1/2   |
| SC-51618-0750-RND | 5/16-18 X 3/4   |
| SC-51618-1000-RND | 5/16-18 X 1     |
| SC-51618-1375-RND | 5/16-18 X 1 3/8 |
| SC-51618-1500-RND | 5/16-18 X 1 1/2 |
| SC-03816-0500-RND | 3/8-16 X 1/2    |
| SC-03816-0750-RND | 3/8-16 X 3/4    |
| SC-03816-1000-RND | 3/8-16 X 1      |
| SC-03816-1250-RND | 3/8-16 X 1 1/4  |
| SC-03816-1437-RND | 3/8-16 X 1 7/16 |
| SC-03816-1500-RND | 3/8-16 X 1 1/2  |



## Slotted Set Grub

| Item              | Description   |
|-------------------|---------------|
| SC-00832-0125-SSG | 8-32 X 1/8    |
| SC-00832-0187-SSG | 8-32 X 3/16   |
| SC-00832-0250-SSG | 8-32 X 1/4    |
| SC-00832-0312-SSG | 8-32 X 5/16   |
| SC-00832-0375-SSG | 8-32 X 3/8    |
| SC-00832-0437-SSG | 8-32 X 7/16   |
| SC-00832-0500-SSG | 8-32 X 1/2    |
| SC-00832-0625-SSG | 8-32 X 5/8    |
| SC-00832-0750-SSG | 8-32 X 3/4    |
| SC-00832-0875-SSG | 8-32 X 7/8    |
| SC-00832-1000-SSG | 8-32 X 1      |
| SC-00832-1250-SSG | 8-32 X 1 1/4  |
| SC-00832-1500-SSG | 8-32 X 1 1/2  |
| SC-01024-0125-SSG | 10-24 X 1/8   |
| SC-01024-0250-SSG | 10-24 X 1/4   |
| SC-01024-0312-SSG | 10-24 X 5/16  |
| SC-01024-0375-SSG | 10-24 X 3/8   |
| SC-01024-0500-SSG | 10-24 X 1/2   |
| SC-01024-0625-SSG | 10-24 X 5/8   |
| SC-01024-0750-SSG | 10-24 X 3/4   |
| SC-01024-1000-SSG | 10-24 X 1     |
| SC-01024-1250-SSG | 10-24 X 1 1/4 |
| SC-01024-1500-SSG | 10-24 X 1 1/2 |
| SC-01032-0125-SSG | 10-32 X 1/8   |
| SC-01032-0187-SSG | 10-32 X 3/16  |
| SC-01032-0250-SSG | 10-32 X 1/4   |
| SC-01032-0312-SSG | 10-32 X 5/16  |
| SC-01032-0375-SSG | 10-32 X 3/8   |

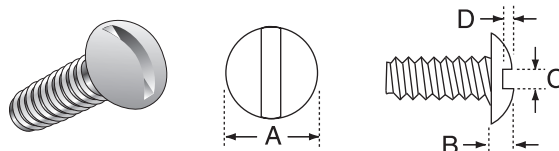


| THREAD SIZE | A    | B    | C    |
|-------------|------|------|------|
| 8-32        | .105 | .030 | .035 |
| 10-24       | .130 | .035 | .045 |
| 10-32       | .130 | .035 | .045 |
| 1/4-20      | .170 | .050 | .070 |
| 5/16-18     | .255 | .065 | .250 |

| Item              | Description    |
|-------------------|----------------|
| SC-01032-0437-SSG | 10-32 X 7/16   |
| SC-01032-0500-SSG | 10-32 X 1/2    |
| SC-01032-0625-SSG | 10-32 X 5/8    |
| SC-01032-0750-SSG | 10-32 X 3/4    |
| SC-01032-0875-SSG | 10-32 X 7/8    |
| SC-01032-1000-SSG | 10-32 X 1      |
| SC-01032-1250-SSG | 10-32 X 1 1/4  |
| SC-01032-1500-SSG | 10-32 X 1 1/2  |
| SC-01420-0250-SSG | 1/4-20 X 1/4   |
| SC-01420-0312-SSG | 1/4-20 X 5/16  |
| SC-01420-0375-SSG | 1/4-20 X 3/8   |
| SC-01420-0437-SSG | 1/4-20 X 7/16  |
| SC-01420-0500-SSG | 1/4-20 X 1/2   |
| SC-01420-0625-SSG | 1/4-20 X 5/8   |
| SC-01420-0750-SSG | 1/4-20 X 3/4   |
| SC-01420-0875-SSG | 1/4-20 X 7/8   |
| SC-01420-1000-SSG | 1/4-20 X 1     |
| SC-01420-1250-SSG | 1/4-20 X 1 1/4 |
| SC-01420-1500-SSG | 1/4-20 X 1 1/2 |
| SC-51618-0750-SSG | 5/16-18 X 3/4  |

## Slotted Truss

| Item              | Description |
|-------------------|-------------|
| SC-00632-0125-TRS | 6-32 X 1/8  |
| SC-00632-0187-TRS | 6-32 X 3/16 |
| SC-00632-0250-TRS | 6-32 X 1/4  |
| SC-00632-0312-TRS | 6-32 X 5/16 |
| SC-00632-0375-TRS | 6-32 X 3/8  |
| SC-00632-0437-TRS | 6-32 X 7/16 |
| SC-00632-0500-TRS | 6-32 X 1/2  |
| SC-00632-0562-TRS | 6-32 X 9/16 |
| SC-00632-0625-TRS | 6-32 X 5/8  |
| SC-00632-0750-TRS | 6-32 X 3/4  |



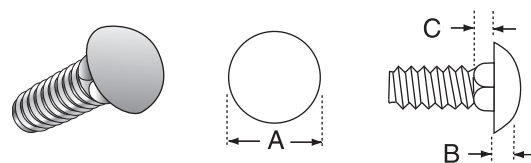
| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 6-32        | .300 | .075 | .040 | .045 |

| Item              | Description  |
|-------------------|--------------|
| SC-00632-0875-TRS | 6-32 X 7/8   |
| SC-00632-1000-TRS | 6-32 X 1     |
| SC-00632-1125-TRS | 6-32 X 1 1/8 |
| SC-00632-1250-TRS | 6-32 X 1 1/4 |
| SC-00632-1500-TRS | 6-32 X 1 1/2 |



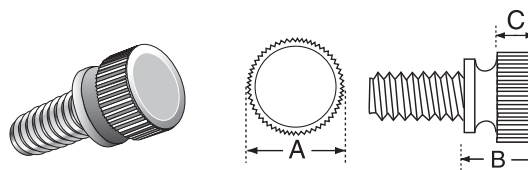
# Screws and Studs

## Carriage Bolts



| Item              | Description  |                    |          |          |          |
|-------------------|--------------|--------------------|----------|----------|----------|
| SC-01420-0500-CGB | 1/4-20 X 1/2 | <b>THREAD SIZE</b> | <b>A</b> | <b>B</b> | <b>C</b> |
| SC-01420-0750-CGB | 1/4-20 X 3/4 |                    | .570     | .130     | .140     |
| SC-01420-1000-CGB | 1/4-20 X 1   |                    | .570     | .130     | .170     |
|                   |              |                    | .575     | .130     | .140     |

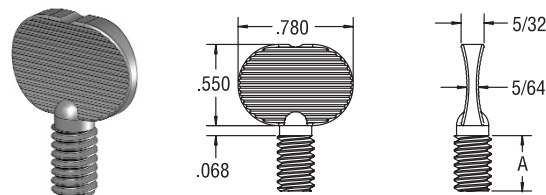
## Knurled Thumb



| Item              | Fine | Coarse | Description  |                    |          |          |          |
|-------------------|------|--------|--------------|--------------------|----------|----------|----------|
| SC-00632-0250-KTS | X    | X      | 6-32 X 1/4   | <b>THREAD SIZE</b> | <b>A</b> | <b>B</b> | <b>C</b> |
| SC-00632-0375-KTS | X    | X      | 6-32 X 3/8   |                    | .355     | .275     | .125     |
| SC-00632-0500-KTS | X    | X      | 6-32 X 1/2   |                    | .365     | .275     | .125     |
| SC-00832-0375-KTS | X    | X      | 8-32 X 3/8   |                    | .415     | .300     | .140     |
| SC-01024-2000-KTS | X    |        | 10-24 X 2    |                    | .415     | .290     | .140     |
| SC-01032-0375-KTS |      | X      | 10-32 X 3/8  |                    | .425     | .325     | .140     |
| SC-01032-0500-KTS |      | X      | 10-32 X 1/2  |                    | .425     | .325     | .140     |
| SC-01420-0500-KTS |      | X      | 1/4-20 X 1/2 |                    | .530     | .360     | .155     |
| SC-01420-0750-KTS |      | X      | 1/4-20 X 3/4 |                    |          |          |          |
| SC-01420-1000-KTS |      | X      | 1/4-20 X 1   |                    |          |          |          |

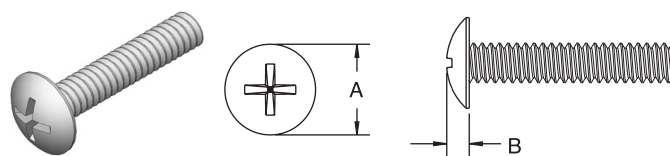
| Item              | Fine | Coarse | Description    |
|-------------------|------|--------|----------------|
| SC-01420-1250-KTS |      | X      | 1/4-20 X 1 1/4 |
| SC-01420-1500-KTS |      | X      | 1/4-20 X 1 1/2 |

## Oval Thumb Screw



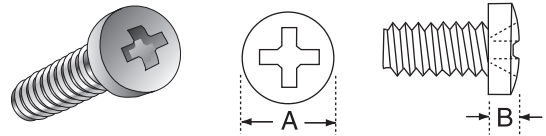
| Item              | Description    | A     |
|-------------------|----------------|-------|
| SC-01420-0375-OTS | 1/4-20 X 3/8   | .375  |
| SC-01420-0500-OTS | 1/4-20 X 1/2   | .500  |
| SC-01420-0625-OTS | 1/4-20 X 5/8   | .625  |
| SC-01420-1000-OTS | 1/4-20 X 1     | 1.000 |
| SC-01420-1500-OTS | 1/4-20 X 1 1/2 | 1.500 |
| SC-01420-1750-OTS | 1/4-20 X 1 3/4 | 1.750 |
| SC-01420-2000-OTS | 1/4-20 X 2     | 2.000 |
| SC-01420-2500-OTS | 1/4-20 X 2 1/2 | 2.500 |

## Phillips Truss



| Item              | Description   |                    |          |          |
|-------------------|---------------|--------------------|----------|----------|
| SC-01024-2500-PHT | 10-24 X 2 1/2 | <b>THREAD SIZE</b> | <b>A</b> | <b>B</b> |
|                   |               |                    | .437     | .110     |

## Phillips Binding



| Item              | Description  |
|-------------------|--------------|
| SC-00440-0125-PHB | 4-40 X 1/8   |
| SC-00440-0187-PHB | 4-40 X 3/16  |
| SC-00440-0250-PHB | 4-40 X 1/4   |
| SC-00440-0281-PHB | 4-40 X 9/32  |
| SC-00440-0312-PHB | 4-40 X 5/16  |
| SC-00440-0375-PHB | 4-40 X 3/8   |
| SC-00440-0437-PHB | 4-40 X 7/16  |
| SC-00440-0500-PHB | 4-40 X 1/2   |
| SC-00440-0625-PHB | 4-40 X 5/8   |
| SC-00440-0750-PHB | 4-40 X 3/4   |
| SC-00440-0875-PHB | 4-40 X 7/8   |
| SC-00440-1000-PHB | 4-40 X 1     |
| SC-00440-1250-PHB | 4-40 X 1 1/4 |
| SC-00440-1375-PHB | 4-40 X 1 3/8 |
| SC-00440-1500-PHB | 4-40 X 1 1/2 |
| SC-00632-0125-PHB | 6-32 X 1/8   |
| SC-00632-0187-PHB | 6-32 X 3/16  |
| SC-00632-0250-PHB | 6-32 X 1/4   |
| SC-00632-0312-PHB | 6-32 X 5/16  |
| SC-00632-0375-PHB | 6-32 X 3/8   |
| SC-00632-0437-PHB | 6-32 X 7/16  |
| SC-00632-0500-PHB | 6-32 X 1/2   |
| SC-00632-0625-PHB | 6-32 X 5/8   |
| SC-00632-0750-PHB | 6-32 X 3/4   |
| SC-00632-0875-PHB | 6-32 X 7/8   |
| SC-00632-1000-PHB | 6-32 X 1     |
| SC-00632-1125-PHB | 6-32 X 1 1/8 |
| SC-00632-1250-PHB | 6-32 X 1 1/4 |
| SC-00632-1500-PHB | 6-32 X 1 1/2 |
| SC-00832-0125-PHB | 8-32 X 1/8   |
| SC-00832-0187-PHB | 8-32 X 3/16  |
| SC-00832-0250-PHB | 8-32 X 1/4   |
| SC-00832-0312-PHB | 8-32 X 5/16  |
| SC-00832-0375-PHB | 8-32 X 3/8   |
| SC-00832-0437-PHB | 8-32 X 7/16  |
| SC-00832-0500-PHB | 8-32 X 1/2   |
| SC-00832-0625-PHB | 8-32 X 5/8   |
| SC-00832-0750-PHB | 8-32 X 3/4   |
| SC-00832-0875-PHB | 8-32 X 7/8   |
| SC-00832-1000-PHB | 8-32 X 1     |
| SC-00832-1250-PHB | 8-32 X 1 1/4 |
| SC-00832-1500-PHB | 8-32 X 1 1/2 |

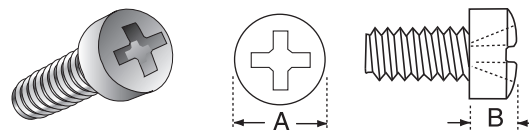
| THREAD SIZE | A    | B    |
|-------------|------|------|
| 4-40        | .229 | .065 |
| 6-32        | .280 | .080 |
| 8-32        | .335 | .100 |
| 10-32       | .389 | .117 |
| 10-24       | .389 | .117 |
| 1/4-20      | .511 | .158 |

| Item              | Description    |
|-------------------|----------------|
| SC-01024-0125-PHB | 10-24 X 1/8    |
| SC-01024-0250-PHB | 10-24 X 1/4    |
| SC-01024-0312-PHB | 10-24 X 5/16   |
| SC-01024-0375-PHB | 10-24 X 3/8    |
| SC-01024-0500-PHB | 10-24 X 1/2    |
| SC-01024-0625-PHB | 10-24 X 5/8    |
| SC-01024-0750-PHB | 10-24 X 3/4    |
| SC-01024-1000-PHB | 10-24 X 1      |
| SC-01024-1250-PHB | 10-24 X 1 1/4  |
| SC-01024-1500-PHB | 10-24 X 1 1/2  |
| SC-01032-0125-PHB | 10-32 X 1/8    |
| SC-01032-0187-PHB | 10-32 X 3/16   |
| SC-01032-0250-PHB | 10-32 X 1/4    |
| SC-01032-0312-PHB | 10-32 X 5/16   |
| SC-01032-0375-PHB | 10-32 X 3/8    |
| SC-01032-0437-PHB | 10-32 X 7/16   |
| SC-01032-0500-PHB | 10-32 X 1/2    |
| SC-01032-0625-PHB | 10-32 X 5/8    |
| SC-01032-0750-PHB | 10-32 X 3/4    |
| SC-01032-0875-PHB | 10-32 X 7/8    |
| SC-01032-1000-PHB | 10-32 X 1      |
| SC-01032-1250-PHB | 10-32 X 1 1/4  |
| SC-01032-1500-PHB | 10-32 X 1 1/2  |
| SC-01420-0250-PHB | 1/4-20 X 1/4   |
| SC-01420-0312-PHB | 1/4-20 X 5/16  |
| SC-01420-0375-PHB | 1/4-20 X 3/8   |
| SC-01420-0437-PHB | 1/4-20 X 7/16  |
| SC-01420-0500-PHB | 1/4-20 X 1/2   |
| SC-01420-0625-PHB | 1/4-20 X 5/8   |
| SC-01420-0750-PHB | 1/4-20 X 3/4   |
| SC-01420-0875-PHB | 1/4-20 X 7/8   |
| SC-01420-1000-PHB | 1/4-20 X 1     |
| SC-01420-1250-PHB | 1/4-20 X 1 1/4 |
| SC-01420-1500-PHB | 1/4-20 X 1 1/2 |



# Screws and Studs

## Phillips Fillister

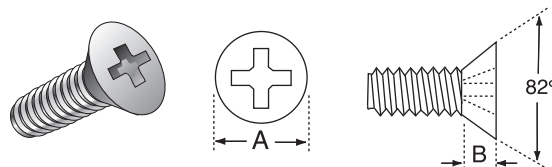


| Item              | Description  |
|-------------------|--------------|
| SC-00632-0125-PHF | 6-32 X 1/8   |
| SC-00632-0187-PHF | 6-32 X 3/16  |
| SC-00632-0250-PHF | 6-32 X 1/4   |
| SC-00632-0312-PHF | 6-32 X 5/16  |
| SC-00632-0375-PHF | 6-32 X 3/8   |
| SC-00632-0437-PHF | 6-32 X 7/16  |
| SC-00632-0500-PHF | 6-32 X 1/2   |
| SC-00632-0562-PHF | 6-32 X 9/16  |
| SC-00632-0625-PHF | 6-32 X 5/8   |
| SC-00632-0750-PHF | 6-32 X 3/4   |
| SC-00632-0875-PHF | 6-32 X 7/8   |
| SC-00632-1000-PHF | 6-32 X 1     |
| SC-00632-1125-PHF | 6-32 X 1 1/8 |
| SC-00632-1250-PHF | 6-32 X 1 1/4 |
| SC-00632-1500-PHF | 6-32 X 1 1/2 |
| SC-00832-0125-PHF | 8-32 X 1/8   |
| SC-00832-0187-PHF | 8-32 X 3/16  |

| THREAD SIZE | A    | B    |
|-------------|------|------|
| 6-32        | .220 | .120 |
| 8-32        | .260 | .135 |

| Item              | Description  |
|-------------------|--------------|
| SC-00832-0250-PHF | 8-32 X 1/4   |
| SC-00832-0312-PHF | 8-32 X 5/16  |
| SC-00832-0375-PHF | 8-32 X 3/8   |
| SC-00832-0437-PHF | 8-32 X 7/16  |
| SC-00832-0500-PHF | 8-32 X 1/2   |
| SC-00832-0625-PHF | 8-32 X 5/8   |
| SC-00832-0750-PHF | 8-32 X 3/4   |
| SC-00832-0875-PHF | 8-32 X 7/8   |
| SC-00832-1000-PHF | 8-32 X 1     |
| SC-00832-1250-PHF | 8-32 X 1 1/4 |
| SC-00832-1500-PHF | 8-32 X 1 1/2 |

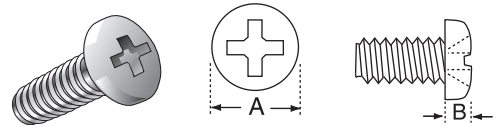
## Phillips Flat



| Item              | Description  |
|-------------------|--------------|
| SC-01032-0500-PFL | 10-32 X 1/2  |
| SC-01420-0750-PFL | 1/4-20 X 3/4 |

| THREAD SIZE | A    | B    |
|-------------|------|------|
| 10-32       | .360 | .110 |
| 1/4-20      | .480 | .153 |

## Phillips Pan



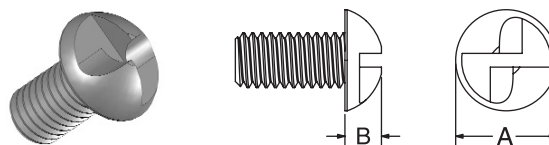
| Item              | Description  |
|-------------------|--------------|
| SC-00256-0125-PHP | 2-56 X 1/8   |
| SC-00256-0187-PHP | 2-56 X 3/16  |
| SC-00256-0250-PHP | 2-56 X 1/4   |
| SC-00256-0281-PHP | 2-56 X 9/32  |
| SC-00256-0312-PHP | 2-56 X 5/16  |
| SC-00256-0375-PHP | 2-56 X 3/8   |
| SC-00256-0437-PHP | 2-56 X 7/16  |
| SC-00256-0500-PHP | 2-56 X 1/2   |
| SC-00256-0750-PHP | 2-56 X 3/4   |
| SC-00256-1000-PHP | 2-56 X 1     |
| SC-00440-0125-PHP | 4-40 X 1/8   |
| SC-00440-0187-PHP | 4-40 X 3/16  |
| SC-00440-0250-PHP | 4-40 X 1/4   |
| SC-00440-0281-PHP | 4-40 X 9/32  |
| SC-00440-0312-PHP | 4-40 X 5/16  |
| SC-00440-0375-PHP | 4-40 X 3/8   |
| SC-00440-0437-PHP | 4-40 X 7/16  |
| SC-00440-0500-PHP | 4-40 X 1/2   |
| SC-00440-0625-PHP | 4-40 X 5/8   |
| SC-00440-0750-PHP | 4-40 X 3/4   |
| SC-00440-0875-PHP | 4-40 X 7/8   |
| SC-00440-1000-PHP | 4-40 X 1     |
| SC-00440-1250-PHP | 4-40 X 1 1/4 |
| SC-00440-1375-PHP | 4-40 X 1 3/8 |
| SC-00440-1500-PHP | 4-40 X 1 1/2 |
| SC-00632-0125-PHP | 6-32 X 1/8   |
| SC-00632-0187-PHP | 6-32 X 3/16  |
| SC-00632-0250-PHP | 6-32 X 1/4   |
| SC-00632-0312-PHP | 6-32 X 5/16  |
| SC-00632-0375-PHP | 6-32 X 3/8   |
| SC-00632-0437-PHP | 6-32 X 7/16  |
| SC-00632-0500-PHP | 6-32 X 1/2   |
| SC-00632-0562-PHP | 6-32 X 9/16  |
| SC-00632-0625-PHP | 6-32 X 5/8   |
| SC-00632-0750-PHP | 6-32 X 3/4   |
| SC-00632-0875-PHP | 6-32 X 7/8   |
| SC-00632-1000-PHP | 6-32 X 1     |
| SC-00632-1125-PHP | 6-32 X 1 1/8 |
| SC-00632-1250-PHP | 6-32 X 1 1/4 |
| SC-00632-1500-PHP | 6-32 X 1 1/2 |
| SC-00632-1750-PHP | 6-32 X 1 3/4 |
| SC-00832-0125-PHP | 8-32 X 1/8   |
| SC-00832-0187-PHP | 8-32 X 3/16  |
| SC-00832-0250-PHP | 8-32 X 1/4   |
| SC-00832-0312-PHP | 8-32 X 5/16  |
| SC-00832-0375-PHP | 8-32 X 3/8   |
| SC-00832-0437-PHP | 8-32 X 7/16  |
| SC-00832-0500-PHP | 8-32 X 1/2   |
| SC-00832-0625-PHP | 8-32 X 5/8   |

| THREAD SIZE | A    | B    |
|-------------|------|------|
| 2-56        | .160 | .058 |
| 4-40        | .215 | .075 |
| 6-32        | .263 | .092 |
| 8-32        | .320 | .110 |
| 10-24       | .365 | .125 |
| 10-32       | .365 | .125 |
| 1/4-20      | .485 | .165 |

| Item              | Description    |
|-------------------|----------------|
| SC-00832-0750-PHP | 8-32 X 3/4     |
| SC-00832-0875-PHP | 8-32 X 7/8     |
| SC-00832-1000-PHP | 8-32 X 1       |
| SC-00832-1250-PHP | 8-32 X 1 1/4   |
| SC-00832-1500-PHP | 8-32 X 1 1/2   |
| SC-00832-3500-PHP | 8-32 X 3 1/2   |
| SC-01024-0125-PHP | 10-24 X 1/8    |
| SC-01024-0250-PHP | 10-24 X 1/4    |
| SC-01024-0312-PHP | 10-24 X 5/16   |
| SC-01024-0375-PHP | 10-24 X 3/8    |
| SC-01024-0500-PHP | 10-24 X 1/2    |
| SC-01024-0625-PHP | 10-24 X 5/8    |
| SC-01024-0750-PHP | 10-24 X 3/4    |
| SC-01024-1000-PHP | 10-24 X 1      |
| SC-01024-1250-PHP | 10-24 X 1 1/4  |
| SC-01024-1500-PHP | 10-24 X 1 1/2  |
| SC-01032-0125-PHP | 10-32 X 1/8    |
| SC-01032-0187-PHP | 10-32 X 3/16   |
| SC-01032-0250-PHP | 10-32 X 1/4    |
| SC-01032-0312-PHP | 10-32 X 5/16   |
| SC-01032-0375-PHP | 10-32 X 3/8    |
| SC-01032-0437-PHP | 10-32 X 7/16   |
| SC-01032-0500-PHP | 10-32 X 1/2    |
| SC-01032-0625-PHP | 10-32 X 5/8    |
| SC-01032-0750-PHP | 10-32 X 3/4    |
| SC-01032-0875-PHP | 10-32 X 7/8    |
| SC-01032-1000-PHP | 10-32 X 1      |
| SC-01032-1250-PHP | 10-32 X 1 1/4  |
| SC-01032-1500-PHP | 10-32 X 1 1/2  |
| SC-01420-0250-PHP | 1/4-20 X 1/4   |
| SC-01420-0312-PHP | 1/4-20 X 5/16  |
| SC-01420-0375-PHP | 1/4-20 X 3/8   |
| SC-01420-0437-PHP | 1/4-20 X 7/16  |
| SC-01420-0500-PHP | 1/4-20 X 1/2   |
| SC-01420-0625-PHP | 1/4-20 X 5/8   |
| SC-01420-0750-PHP | 1/4-20 X 3/4   |
| SC-01420-0875-PHP | 1/4-20 X 7/8   |
| SC-01420-1000-PHP | 1/4-20 X 1     |
| SC-01420-1250-PHP | 1/4-20 X 1 1/4 |
| SC-01420-1500-PHP | 1/4-20 X 1 1/2 |



## Round One Way Security Screws



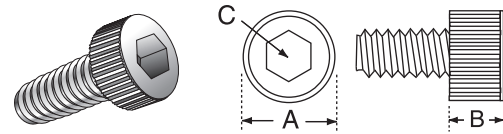
| Item                | Description  |
|---------------------|--------------|
| SC-00440-0125-RNDSS | 4-40 X 1/8   |
| SC-00440-0187-RNDSS | 4-40 X 3/16  |
| SC-00440-0250-RNDSS | 4-40 X 1/4   |
| SC-00440-0281-RNDSS | 4-40 X 9/32  |
| SC-00440-0312-RNDSS | 4-40 X 5/16  |
| SC-00440-0375-RNDSS | 4-40 X 3/8   |
| SC-00440-0437-RNDSS | 4-40 X 7/16  |
| SC-00440-0500-RNDSS | 4-40 X 1/2   |
| SC-00440-0625-RNDSS | 4-40 X 5/8   |
| SC-00440-0750-RNDSS | 4-40 X 3/4   |
| SC-00440-0875-RNDSS | 4-40 X 7/8   |
| SC-00440-1000-RNDSS | 4-40 X 1     |
| SC-00440-1250-RNDSS | 4-40 X 1 1/4 |
| SC-00440-1375-RNDSS | 4-40 X 1 3/8 |
| SC-00440-1500-RNDSS | 4-40 X 1 1/2 |
| SC-00632-0125-RNDSS | 6-32 X 1/8   |
| SC-00632-0187-RNDSS | 6-32 X 3/16  |
| SC-00632-0250-RNDSS | 6-32 X 1/4   |
| SC-00632-0312-RNDSS | 6-32 X 5/16  |
| SC-00632-0375-RNDSS | 6-32 X 3/8   |
| SC-00632-0437-RNDSS | 6-32 X 7/16  |
| SC-00632-0500-RNDSS | 6-32 X 1/2   |
| SC-00632-0562-RNDSS | 6-32 X 9/16  |
| SC-00632-0625-RNDSS | 6-32 X 5/8   |
| SC-00632-0750-RNDSS | 6-32 X 3/4   |
| SC-00632-0875-RNDSS | 6-32 X 7/8   |
| SC-00632-1000-RNDSS | 6-32 X 1     |
| SC-00632-1125-RNDSS | 6-32 X 1 1/8 |
| SC-00632-1250-RNDSS | 6-32 X 1 1/4 |
| SC-00632-1500-RNDSS | 6-32 X 1 1/2 |
| SC-00832-0125-RNDSS | 8-32 X 1/8   |
| SC-00832-0187-RNDSS | 8-32 X 3/16  |
| SC-00832-0250-RNDSS | 8-32 X 1/4   |
| SC-00832-0312-RNDSS | 8-32 X 5/16  |
| SC-00832-0375-RNDSS | 8-32 X 3/8   |
| SC-00832-0437-RNDSS | 8-32 X 7/16  |
| SC-00832-0500-RNDSS | 8-32 X 1/2   |
| SC-00832-0625-RNDSS | 8-32 X 5/8   |
| SC-00832-0750-RNDSS | 8-32 X 3/4   |
| SC-00832-0875-RNDSS | 8-32 X 7/8   |
| SC-00832-1000-RNDSS | 8-32 X 1     |
| SC-00832-1250-RNDSS | 8-32 X 1 1/4 |
| SC-00832-1500-RNDSS | 8-32 X 1 1/2 |
| SC-01024-0125-RNDSS | 10-24 X 1/8  |
| SC-01024-0250-RNDSS | 10-24 X 1/4  |
| SC-01024-0312-RNDSS | 10-24 X 5/16 |
| SC-01024-0375-RNDSS | 10-24 X 3/8  |
| SC-01024-0500-RNDSS | 10-24 X 1/2  |
| SC-01024-0625-RNDSS | 10-24 X 5/8  |
| SC-01024-0750-RNDSS | 10-24 X 3/4  |

| THREAD SIZE | A    | B    |
|-------------|------|------|
| 4-40        | .200 | .080 |
| 6-32        | .250 | .100 |
| 8-32        | .295 | .115 |
| 10-24       | .345 | .130 |
| 10-32       | .345 | .130 |
| 1/4-20      | .450 | .165 |
| 5/16-18     | .565 | .205 |
| 3/8-16      | .670 | .240 |

| Item                | Description     |
|---------------------|-----------------|
| SC-01024-1000-RNDSS | 10-24 X 1       |
| SC-01024-1250-RNDSS | 10-24 X 1 1/4   |
| SC-01024-1500-RNDSS | 10-24 X 1 1/2   |
| SC-01032-0125-RNDSS | 10-32 X 1/8     |
| SC-01032-0187-RNDSS | 10-32 X 3/16    |
| SC-01032-0250-RNDSS | 10-32 X 1/4     |
| SC-01032-0312-RNDSS | 10-32 X 5/16    |
| SC-01032-0375-RNDSS | 10-32 X 3/8     |
| SC-01032-0437-RNDSS | 10-32 X 7/16    |
| SC-01032-0500-RNDSS | 10-32 X 1/2     |
| SC-01032-0625-RNDSS | 10-32 X 5/8     |
| SC-01032-0750-RNDSS | 10-32 X 3/4     |
| SC-01032-0875-RNDSS | 10-32 X 7/8     |
| SC-01032-1000-RNDSS | 10-32 X 1       |
| SC-01032-1250-RNDSS | 10-32 X 1 1/4   |
| SC-01032-1500-RNDSS | 10-32 X 1 1/2   |
| SC-01420-0250-RNDSS | 1/4-20 X 1/4    |
| SC-01420-0312-RNDSS | 1/4-20 X 5/16   |
| SC-01420-0375-RNDSS | 1/4-20 X 3/8    |
| SC-01420-0437-RNDSS | 1/4-20 X 7/16   |
| SC-01420-0500-RNDSS | 1/4-20 X 1/2    |
| SC-01420-0625-RNDSS | 1/4-20 X 5/8    |
| SC-01420-0750-RNDSS | 1/4-20 X 3/4    |
| SC-01420-0875-RNDSS | 1/4-20 X 7/8    |
| SC-01420-1000-RNDSS | 1/4-20 X 1      |
| SC-01420-1250-RNDSS | 1/4-20 X 1 1/4  |
| SC-01420-1500-RNDSS | 1/4-20 X 1 1/2  |
| SC-51618-0500-RNDSS | 5/16-18 X 1/2   |
| SC-51618-0750-RNDSS | 5/16-18 X 3/4   |
| SC-51618-1000-RNDSS | 5/16-18 X 1     |
| SC-51618-1375-RNDSS | 5/16-18 X 1 3/8 |
| SC-51618-1500-RNDSS | 5/16-18 X 1 1/2 |
| SC-03816-0500-RNDSS | 3/8-16 X 1/2    |
| SC-03816-0750-RNDSS | 3/8-16 X 3/4    |
| SC-03816-1000-RNDSS | 3/8-16 X 1      |
| SC-03816-1250-RNDSS | 3/8-16 X 1 1/4  |
| SC-03816-1437-RNDSS | 3/8-16 X 1 7/16 |
| SC-03816-1500-RNDSS | 3/8-16 X 1 1/2  |



## Socket Head Cap



| Item              | Smooth | Fine | Coarse | Description  |
|-------------------|--------|------|--------|--------------|
| SC-00440-0125-SHC | X      | X    | X      | 4-40 X 1/8   |
| SC-00440-0187-SHC | X      | X    | X      | 4-40 X 3/16  |
| SC-00440-0250-SHC | X      | X    | X      | 4-40 X 1/4   |
| SC-00440-0281-SHC | X      | X    | X      | 4-40 X 9/32  |
| SC-00440-0312-SHC | X      | X    | X      | 4-40 X 5/16  |
| SC-00440-0375-SHC | X      | X    | X      | 4-40 X 3/8   |
| SC-00440-0437-SHC | X      | X    | X      | 4-40 X 7/16  |
| SC-00440-0500-SHC | X      | X    | X      | 4-40 X 1/2   |
| SC-00440-0625-SHC | X      | X    | X      | 4-40 X 5/8   |
| SC-00440-0750-SHC | X      | X    | X      | 4-40 X 3/4   |
| SC-00440-0875-SHC | X      | X    | X      | 4-40 X 7/8   |
| SC-00440-1000-SHC | X      | X    | X      | 4-40 X 1     |
| SC-00440-1250-SHC | X      | X    | X      | 4-40 X 1 1/4 |
| SC-00440-1375-SHC | X      | X    | X      | 4-40 X 1 3/8 |
| SC-00440-1500-SHC | X      | X    | X      | 4-40 X 1 1/2 |
| SC-00632-0125-SHC | X      | X    | X      | 6-32 X 1/8   |
| SC-00632-0187-SHC | X      | X    | X      | 6-32 X 3/16  |
| SC-00632-0250-SHC | X      | X    | X      | 6-32 X 1/4   |
| SC-00632-0312-SHC | X      | X    | X      | 6-32 X 5/16  |
| SC-00632-0375-SHC | X      | X    | X      | 6-32 X 3/8   |
| SC-00632-0437-SHC | X      | X    | X      | 6-32 X 7/16  |
| SC-00632-0500-SHC | X      | X    | X      | 6-32 X 1/2   |
| SC-00632-0562-SHC | X      | X    | X      | 6-32 X 9/16  |
| SC-00632-0625-SHC | X      | X    | X      | 6-32 X 5/8   |
| SC-00632-0750-SHC | X      | X    | X      | 6-32 X 3/4   |
| SC-00632-0875-SHC | X      | X    | X      | 6-32 X 7/8   |
| SC-00632-1000-SHC | X      | X    | X      | 6-32 X 1     |
| SC-00632-1125-SHC | X      | X    | X      | 6-32 X 1 1/8 |
| SC-00632-1250-SHC | X      | X    | X      | 6-32 X 1 1/4 |
| SC-00632-1500-SHC | X      | X    | X      | 6-32 X 1 1/2 |
| SC-00832-0125-SHC | X      | X    | X      | 8-32 X 1/8   |
| SC-00832-0187-SHC | X      | X    | X      | 8-32 X 3/16  |
| SC-00832-0250-SHC | X      | X    | X      | 8-32 X 1/4   |
| SC-00832-0312-SHC | X      | X    | X      | 8-32 X 5/16  |
| SC-00832-0375-SHC | X      | X    | X      | 8-32 X 3/8   |
| SC-00832-0437-SHC | X      | X    | X      | 8-32 X 7/16  |
| SC-00832-0500-SHC | X      | X    | X      | 8-32 X 1/2   |
| SC-00832-0625-SHC | X      | X    | X      | 8-32 X 5/8   |
| SC-00832-0750-SHC | X      | X    | X      | 8-32 X 3/4   |
| SC-00832-0875-SHC | X      | X    | X      | 8-32 X 7/8   |
| SC-00832-1000-SHC | X      | X    | X      | 8-32 X 1     |
| SC-00832-1250-SHC | X      | X    | X      | 8-32 X 1 1/4 |
| SC-00832-1500-SHC | X      | X    | X      | 8-32 X 1 1/2 |
| SC-01024-0125-SHC | X      | X    | X      | 10-24 X 1/8  |

| THREAD SIZE               | A    | B    | C    | HEX DEPTH |
|---------------------------|------|------|------|-----------|
| 4-40 SMOOTH/FINE/COARSE   | .180 | .110 | .094 | .051      |
| 6-32 SMOOTH/FINE          | .225 | .135 | .109 | .064      |
| 6-32 COARSE               | .240 | .140 | .109 | .064      |
| 8-32 SMOOTH/FINE/COARSE   | .265 | .162 | .141 | .077      |
| 10-24 SMOOTH/FINE/COARSE  | .312 | .190 | .156 | .090      |
| 10-32 SMOOTH/FINE/COARSE  | .312 | .190 | .156 | .090      |
| 1/4-20 SMOOTH/FINE/COARSE | .365 | .245 | .188 | .120      |

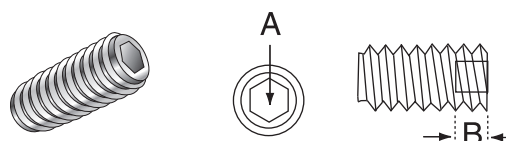
| Item              | Smooth | Fine | Coarse | Description    |
|-------------------|--------|------|--------|----------------|
| SC-01024-0250-SHC | X      | X    | X      | 10-24 X 1/4    |
| SC-01024-0312-SHC | X      | X    | X      | 10-24 X 5/16   |
| SC-01024-0375-SHC | X      | X    | X      | 10-24 X 3/8    |
| SC-01024-0500-SHC | X      | X    | X      | 10-24 X 1/2    |
| SC-01024-0625-SHC | X      | X    | X      | 10-24 X 5/8    |
| SC-01024-0750-SHC | X      | X    | X      | 10-24 X 3/4    |
| SC-01024-1000-SHC | X      | X    | X      | 10-24 X 1      |
| SC-01024-1250-SHC | X      | X    | X      | 10-24 X 1 1/4  |
| SC-01024-1500-SHC | X      | X    | X      | 10-24 X 1 1/2  |
| SC-01032-0125-SHC | X      | X    | X      | 10-32 X 1/8    |
| SC-01032-0187-SHC | X      | X    | X      | 10-32 X 3/16   |
| SC-01032-0250-SHC | X      | X    | X      | 10-32 X 1/4    |
| SC-01032-0312-SHC | X      | X    | X      | 10-32 X 5/16   |
| SC-01032-0375-SHC | X      | X    | X      | 10-32 X 3/8    |
| SC-01032-0437-SHC | X      | X    | X      | 10-32 X 7/16   |
| SC-01032-0500-SHC | X      | X    | X      | 10-32 X 1/2    |
| SC-01032-0625-SHC | X      | X    | X      | 10-32 X 5/8    |
| SC-01032-0750-SHC | X      | X    | X      | 10-32 X 3/4    |
| SC-01032-0875-SHC | X      | X    | X      | 10-32 X 7/8    |
| SC-01032-1000-SHC | X      | X    | X      | 10-32 X 1      |
| SC-01032-1250-SHC | X      | X    | X      | 10-32 X 1 1/4  |
| SC-01032-1500-SHC | X      | X    | X      | 10-32 X 1 1/2  |
| SC-01420-0250-SHC | X      | X    | X      | 1/4-20 X 1/4   |
| SC-01420-0312-SHC | X      | X    | X      | 1/4-20 X 5/16  |
| SC-01420-0375-SHC | X      | X    | X      | 1/4-20 X 3/8   |
| SC-01420-0437-SHC | X      | X    | X      | 1/4-20 X 7/16  |
| SC-01420-0500-SHC | X      | X    | X      | 1/4-20 X 1/2   |
| SC-01420-0625-SHC | X      | X    | X      | 1/4-20 X 5/8   |
| SC-01420-0750-SHC | X      | X    | X      | 1/4-20 X 3/4   |
| SC-01420-0875-SHC | X      | X    | X      | 1/4-20 X 7/8   |
| SC-01420-1000-SHC | X      | X    | X      | 1/4-20 X 1     |
| SC-01420-1250-SHC | X      | X    | X      | 1/4-20 X 1 1/4 |
| SC-01420-1500-SHC | X      | X    | X      | 1/4-20 X 1 1/2 |





# Screws and Studs

## Socket Set

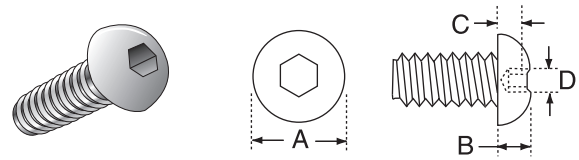


| Item             | Description  |
|------------------|--------------|
| SC-00440-0125-SS | 4-40 X 1/8   |
| SC-00440-0187-SS | 4-40 X 3/16  |
| SC-00440-0250-SS | 4-40 X 1/4   |
| SC-00440-0281-SS | 4-40 X 9/32  |
| SC-00440-0312-SS | 4-40 X 5/16  |
| SC-00440-0375-SS | 4-40 X 3/8   |
| SC-00440-0437-SS | 4-40 X 7/16  |
| SC-00440-0500-SS | 4-40 X 1/2   |
| SC-00440-0625-SS | 4-40 X 5/8   |
| SC-00440-0750-SS | 4-40 X 3/4   |
| SC-00440-0875-SS | 4-40 X 7/8   |
| SC-00440-1000-SS | 4-40 X 1     |
| SC-00440-1250-SS | 4-40 X 1 1/4 |
| SC-00440-1375-SS | 4-40 X 1 3/8 |
| SC-00440-1500-SS | 4-40 X 1 1/2 |
| SC-00632-0125-SS | 6-32 X 1/8   |
| SC-00632-0187-SS | 6-32 X 3/16  |
| SC-00632-0250-SS | 6-32 X 1/4   |
| SC-00632-0312-SS | 6-32 X 5/16  |
| SC-00632-0375-SS | 6-32 X 3/8   |
| SC-00632-0437-SS | 6-32 X 7/16  |
| SC-00632-0500-SS | 6-32 X 1/2   |
| SC-00632-0562-SS | 6-32 X 9/16  |
| SC-00632-0625-SS | 6-32 X 5/8   |
| SC-00632-0750-SS | 6-32 X 3/4   |
| SC-00632-0875-SS | 6-32 X 7/8   |
| SC-00632-1000-SS | 6-32 X 1     |
| SC-00632-1125-SS | 6-32 X 1 1/8 |
| SC-00632-1250-SS | 6-32 X 1 1/4 |
| SC-00632-1500-SS | 6-32 X 1 1/2 |
| SC-00832-0125-SS | 8-32 X 1/8   |
| SC-00832-0187-SS | 8-32 X 3/16  |
| SC-00832-0250-SS | 8-32 X 1/4   |
| SC-00832-0312-SS | 8-32 X 5/16  |
| SC-00832-0375-SS | 8-32 X 3/8   |
| SC-00832-0437-SS | 8-32 X 7/16  |
| SC-00832-0500-SS | 8-32 X 1/2   |
| SC-00832-0625-SS | 8-32 X 5/8   |
| SC-00832-0750-SS | 8-32 X 3/4   |
| SC-00832-0875-SS | 8-32 X 7/8   |
| SC-00832-1000-SS | 8-32 X 1     |
| SC-00832-1250-SS | 8-32 X 1 1/4 |
| SC-00832-1500-SS | 8-32 X 1 1/2 |
| SC-01024-0125-SS | 10-24 X 1/8  |
| SC-01024-0250-SS | 10-24 X 1/4  |
| SC-01024-0312-SS | 10-24 X 5/16 |
| SC-01024-0375-SS | 10-24 X 3/8  |
| SC-01024-0500-SS | 10-24 X 1/2  |
| SC-01024-0625-SS | 10-24 X 5/8  |

| THREAD SIZE | A    | B    |
|-------------|------|------|
| 4-40        | .050 | .070 |
| 6-32        | .062 | .080 |
| 8-32        | .078 | .090 |
| 10-24       | .094 | .100 |
| 10-32       | .094 | .100 |
| 1/4-20      | .125 | .125 |
| 3/8-16      | .187 | .188 |
| 1/2-13      | .250 | .250 |
| 5/8-18      | .312 | .312 |

| Item             | Description     |
|------------------|-----------------|
| SC-01024-0750-SS | 10-24 X 3/4     |
| SC-01024-1000-SS | 10-24 X 1       |
| SC-01024-1250-SS | 10-24 X 1 1/4   |
| SC-01024-1500-SS | 10-24 X 1 1/2   |
| SC-01032-0125-SS | 10-32 X 1/8     |
| SC-01032-0187-SS | 10-32 X 3/16    |
| SC-01032-0250-SS | 10-32 X 1/4     |
| SC-01032-0312-SS | 10-32 X 5/16    |
| SC-01032-0375-SS | 10-32 X 3/8     |
| SC-01032-0437-SS | 10-32 X 7/16    |
| SC-01032-0500-SS | 10-32 X 1/2     |
| SC-01032-0625-SS | 10-32 X 5/8     |
| SC-01032-0750-SS | 10-32 X 3/4     |
| SC-01032-0875-SS | 10-32 X 7/8     |
| SC-01032-1000-SS | 10-32 X 1       |
| SC-01032-1250-SS | 10-32 X 1 1/4   |
| SC-01032-1500-SS | 10-32 X 1 1/2   |
| SC-01420-0250-SS | 1/4-20 X 1/4    |
| SC-01420-0312-SS | 1/4-20 X 5/16   |
| SC-01420-0375-SS | 1/4-20 X 3/8    |
| SC-01420-0437-SS | 1/4-20 X 7/16   |
| SC-01420-0500-SS | 1/4-20 X 1/2    |
| SC-01420-0625-SS | 1/4-20 X 5/8    |
| SC-01420-0750-SS | 1/4-20 X 3/4    |
| SC-01420-0875-SS | 1/4-20 X 7/8    |
| SC-01420-1000-SS | 1/4-20 X 1      |
| SC-01420-1250-SS | 1/4-20 X 1 1/4  |
| SC-01420-1500-SS | 1/4-20 X 1 1/2  |
| SC-03816-0500-SS | 3/8-16 X 1/2    |
| SC-03816-0750-SS | 3/8-16 X 3/4    |
| SC-03816-1000-SS | 3/8-16 X 1      |
| SC-03816-1250-SS | 3/8-16 X 1 1/4  |
| SC-03816-1437-SS | 3/8-16 X 1 7/16 |
| SC-03816-1500-SS | 3/8-16 X 1 1/2  |
| SC-01213-0375-SS | 1/2-13 X 3/8    |
| SC-01213-1250-SS | 1/2-13 X 1 1/4  |
| SC-05818-0500-SS | 5/8-18 X 1/2    |

## Button Head Socket

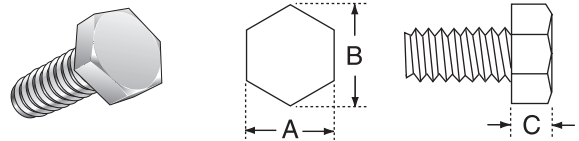


| Item              | Description   |
|-------------------|---------------|
| SC-00632-0125-BHS | 6-32 X 1/8    |
| SC-00632-0187-BHS | 6-32 X 3/16   |
| SC-00632-0250-BHS | 6-32 X 1/4    |
| SC-00632-0312-BHS | 6-32 X 5/16   |
| SC-00632-0375-BHS | 6-32 X 3/8    |
| SC-00632-0437-BHS | 6-32 X 7/16   |
| SC-00632-0500-BHS | 6-32 X 1/2    |
| SC-00632-0562-BHS | 6-32 X 9/16   |
| SC-00632-0625-BHS | 6-32 X 5/8    |
| SC-00632-0750-BHS | 6-32 X 3/4    |
| SC-00632-0875-BHS | 6-32 X 7/8    |
| SC-00632-1000-BHS | 6-32 X 1      |
| SC-00632-1125-BHS | 6-32 X 1 1/8  |
| SC-00632-1250-BHS | 6-32 X 1 1/4  |
| SC-00632-1500-BHS | 6-32 X 1 1/2  |
| SC-01420-0250-BHS | 1/4-20 X 1/4  |
| SC-01420-0312-BHS | 1/4-20 X 5/16 |

| THREAD SIZE | A<br>HEAD DIAMETER | B<br>HEAD HEIGHT | C<br>HEAD SIDE HEIGHT | D<br>HEAD SOCKET SIZE | KEY ENGAGEMENT |
|-------------|--------------------|------------------|-----------------------|-----------------------|----------------|
| 6-32        | .250-.262          | .063-.073        | .015                  | .078                  | .044           |
| 1/4-20      | .419-.437          | .122-.132        | .031                  | .156                  | .087           |

| Item              | Description    |
|-------------------|----------------|
| SC-01420-0375-BHS | 1/4-20 X 3/8   |
| SC-01420-0437-BHS | 1/4-20 X 7/16  |
| SC-01420-0500-BHS | 1/4-20 X 1/2   |
| SC-01420-0625-BHS | 1/4-20 X 5/8   |
| SC-01420-0750-BHS | 1/4-20 X 3/4   |
| SC-01420-0875-BHS | 1/4-20 X 7/8   |
| SC-01420-1000-BHS | 1/4-20 X 1     |
| SC-01420-1250-BHS | 1/4-20 X 1 1/4 |
| SC-01420-1500-BHS | 1/4-20 X 1 1/2 |

## Hex Cap



| Item                  | Description                    |
|-----------------------|--------------------------------|
| SC-01420-0250-HEX     | 1/4-20 X 1/4                   |
| SC-01420-0312-HEX     | 1/4-20 X 5/16                  |
| SC-01420-0375-HEX     | 1/4-20 X 3/8                   |
| SC-01420-0437-HEX     | 1/4-20 X 7/16                  |
| SC-01420-0500-HEX     | 1/4-20 X 1/2                   |
| SC-01420-0625-HEX     | 1/4-20 X 5/8                   |
| SC-01420-0750-HEX     | 1/4-20 X 3/4                   |
| SC-01420-0875-HEX     | 1/4-20 X 7/8                   |
| SC-01420-1000-HEX     | 1/4-20 X 1                     |
| SC-01420-1250-HEX     | 1/4-20 X 1 1/4                 |
| SC-01420-1500-HEX     | 1/4-20 X 1 1/2                 |
| SC-01420-2000-HEX     | 1/4-20 X 2                     |
| SC-01420-2500-HEX     | 1/4-20 X 2 1/2                 |
| SC-01420-2500-HEX-PTH | 1/4-20 X 2 1/2 (1.290" THREAD) |
| SC-01420-5000-HEX-PTH | 1/4-20 X 5 (.750" THREAD)      |
| SC-51618-0500-HEX     | 5/16-18 X 1/2                  |
| SC-51618-0750-HEX     | 5/16-18 X 3/4                  |
| SC-51618-1000-HEX     | 5/16-18 X 1                    |
| SC-51618-1375-HEX     | 5/16-18 X 1 3/8                |
| SC-51618-1500-HEX     | 5/16-18 X 1 1/2                |

| THREAD SIZE | A    | REF. B | C    |
|-------------|------|--------|------|
| 1/4-20      | .430 | .500   | .175 |
| 5/16-18     | .495 | .555   | .200 |
| 3/8-16      | .555 | .635   | .235 |
| 1/2-13      | .735 | .850   | .330 |

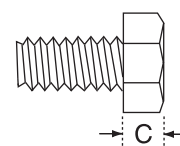
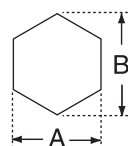
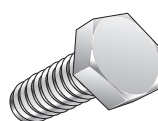
**PTH = PARTIAL THREAD**

| Item                  | Description                    |
|-----------------------|--------------------------------|
| SC-03816-0500-HEX     | 3/8-16 X 1/2                   |
| SC-03816-0750-HEX     | 3/8-16 X 3/4                   |
| SC-03816-1000-HEX     | 3/8-16 X 1                     |
| SC-03816-1250-HEX     | 3/8-16 X 1 1/4                 |
| SC-03816-1437-HEX     | 3/8-16 X 1 7/16                |
| SC-03816-1500-HEX     | 3/8-16 X 1 1/2                 |
| SC-03816-2000-HEX-PTH | 3/8-16 X 2 (1.000" THREAD)     |
| SC-01213-1000-HEX     | 1/2-13 X 1                     |
| SC-01213-1500-HEX     | 1/2-13 X 1 1/2                 |
| SC-01213-1750-HEX-PTH | 1/2-13 X 1 3/4 (.500" THREAD)  |
| SC-01213-2000-HEX     | 1/2-13 X 2                     |
| SC-01213-2500-HEX-PTH | 1/2-13 X 2 1/2 (1.500" THREAD) |



# Screws and Studs

## Machine Hex

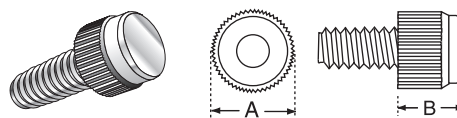


| Item             | Description  |
|------------------|--------------|
| SC-00256-0125-MH | 2-56 X 1/8   |
| SC-00256-0187-MH | 2-56 X 3/16  |
| SC-00256-0250-MH | 2-56 X 1/4   |
| SC-00256-0281-MH | 2-56 X 9/32  |
| SC-00256-0312-MH | 2-56 X 5/16  |
| SC-00256-0375-MH | 2-56 X 3/8   |
| SC-00256-0437-MH | 2-56 X 7/16  |
| SC-00256-0500-MH | 2-56 X 1/2   |
| SC-00256-0750-MH | 2-56 X 3/4   |
| SC-00256-1000-MH | 2-56 X 1     |
| SC-00440-0125-MH | 4-40 X 1/8   |
| SC-00440-0187-MH | 4-40 X 3/16  |
| SC-00440-0250-MH | 4-40 X 1/4   |
| SC-00440-0281-MH | 4-40 X 9/32  |
| SC-00440-0312-MH | 4-40 X 5/16  |
| SC-00440-0375-MH | 4-40 X 3/8   |
| SC-00440-0437-MH | 4-40 X 7/16  |
| SC-00440-0500-MH | 4-40 X 1/2   |
| SC-00440-0625-MH | 4-40 X 5/8   |
| SC-00440-0750-MH | 4-40 X 3/4   |
| SC-00440-0875-MH | 4-40 X 7/8   |
| SC-00440-1000-MH | 4-40 X 1     |
| SC-00440-1250-MH | 4-40 X 1 1/4 |
| SC-00440-1375-MH | 4-40 X 1 3/8 |
| SC-00440-1500-MH | 4-40 X 1 1/2 |
| SC-00632-0125-MH | 6-32 X 1/8   |
| SC-00632-0187-MH | 6-32 X 3/16  |
| SC-00632-0250-MH | 6-32 X 1/4   |
| SC-00632-0312-MH | 6-32 X 5/16  |
| SC-00632-0375-MH | 6-32 X 3/8   |
| SC-00632-0437-MH | 6-32 X 7/16  |
| SC-00632-0500-MH | 6-32 X 1/2   |
| SC-00632-0562-MH | 6-32 X 9/16  |
| SC-00632-0625-MH | 6-32 X 5/8   |
| SC-00632-0750-MH | 6-32 X 3/4   |
| SC-00632-0875-MH | 6-32 X 7/8   |
| SC-00632-1000-MH | 6-32 X 1     |
| SC-00632-1125-MH | 6-32 X 1 1/8 |
| SC-00632-1250-MH | 6-32 X 1 1/4 |
| SC-00632-1500-MH | 6-32 X 1 1/2 |
| SC-00832-0125-MH | 8-32 X 1/8   |
| SC-00832-0187-MH | 8-32 X 3/16  |
| SC-00832-0250-MH | 8-32 X 1/4   |
| SC-00832-0312-MH | 8-32 X 5/16  |
| SC-00832-0375-MH | 8-32 X 3/8   |
| SC-00832-0437-MH | 8-32 X 7/16  |
| SC-00832-0500-MH | 8-32 X 1/2   |
| SC-00832-0625-MH | 8-32 X 5/8   |
| SC-00832-0750-MH | 8-32 X 3/4   |

| THREAD SIZE | A    | REF. B | C    |
|-------------|------|--------|------|
| 2-56        | .125 | .143   | .050 |
| 4-40        | .185 | .210   | .055 |
| 6-32        | .250 | .280   | .085 |
| 8-32        | .250 | .280   | .100 |
| 10-24       | .310 | .340   | .110 |
| 10-32       | .310 | .340   | .110 |
| 1/4-20      | .370 | .409   | .185 |

| Item             | Description    |
|------------------|----------------|
| SC-00832-0875-MH | 8-32 X 7/8     |
| SC-00832-1000-MH | 8-32 X 1       |
| SC-00832-1250-MH | 8-32 X 1 1/4   |
| SC-00832-1500-MH | 8-32 X 1 1/2   |
| SC-01024-0125-MH | 10-24 X 1/8    |
| SC-01024-0250-MH | 10-24 X 1/4    |
| SC-01024-0312-MH | 10-24 X 5/16   |
| SC-01024-0375-MH | 10-24 X 3/8    |
| SC-01024-0500-MH | 10-24 X 1/2    |
| SC-01024-0625-MH | 10-24 X 5/8    |
| SC-01024-0750-MH | 10-24 X 3/4    |
| SC-01024-1000-MH | 10-24 X 1      |
| SC-01024-1250-MH | 10-24 X 1 1/4  |
| SC-01024-1500-MH | 10-24 X 1 1/2  |
| SC-01032-0125-MH | 10-32 X 1/8    |
| SC-01032-0187-MH | 10-32 X 3/16   |
| SC-01032-0250-MH | 10-32 X 1/4    |
| SC-01032-0312-MH | 10-32 X 5/16   |
| SC-01032-0375-MH | 10-32 X 3/8    |
| SC-01032-0437-MH | 10-32 X 7/16   |
| SC-01032-0500-MH | 10-32 X 1/2    |
| SC-01032-0625-MH | 10-32 X 5/8    |
| SC-01032-0750-MH | 10-32 X 3/4    |
| SC-01032-0875-MH | 10-32 X 7/8    |
| SC-01032-1000-MH | 10-32 X 1      |
| SC-01032-1250-MH | 10-32 X 1 1/4  |
| SC-01032-1500-MH | 10-32 X 1 1/2  |
| SC-01420-0250-MH | 1/4-20 X 1/4   |
| SC-01420-0312-MH | 1/4-20 X 5/16  |
| SC-01420-0375-MH | 1/4-20 X 3/8   |
| SC-01420-0437-MH | 1/4-20 X 7/16  |
| SC-01420-0500-MH | 1/4-20 X 1/2   |
| SC-01420-0625-MH | 1/4-20 X 5/8   |
| SC-01420-0750-MH | 1/4-20 X 3/4   |
| SC-01420-0875-MH | 1/4-20 X 7/8   |
| SC-01420-1000-MH | 1/4-20 X 1     |
| SC-01420-1250-MH | 1/4-20 X 1 1/4 |
| SC-01420-1500-MH | 1/4-20 X 1 1/2 |

## Unslotted Economy Thumb



| Item               | Description   |
|--------------------|---------------|
| SC-00832-0125-ETSU | 8-32 X 1/8    |
| SC-00832-0187-ETSU | 8-32 X 3/16   |
| SC-00832-0250-ETSU | 8-32 X 1/4    |
| SC-00832-0312-ETSU | 8-32 X 5/16   |
| SC-00832-0375-ETSU | 8-32 X 3/8    |
| SC-00832-0437-ETSU | 8-32 X 7/16   |
| SC-00832-0500-ETSU | 8-32 X 1/2    |
| SC-00832-0625-ETSU | 8-32 X 5/8    |
| SC-00832-0750-ETSU | 8-32 X 3/4    |
| SC-00832-0875-ETSU | 8-32 X 7/8    |
| SC-00832-1000-ETSU | 8-32 X 1      |
| SC-00832-1250-ETSU | 8-32 X 1 1/4  |
| SC-00832-1500-ETSU | 8-32 X 1 1/2  |
| SC-01024-0125-ETSU | 10-24 X 1/8   |
| SC-01024-0250-ETSU | 10-24 X 1/4   |
| SC-01024-0312-ETSU | 10-24 X 5/16  |
| SC-01024-0375-ETSU | 10-24 X 3/8   |
| SC-01024-0500-ETSU | 10-24 X 1/2   |
| SC-01024-0625-ETSU | 10-24 X 5/8   |
| SC-01024-0750-ETSU | 10-24 X 3/4   |
| SC-01024-1000-ETSU | 10-24 X 1     |
| SC-01024-1250-ETSU | 10-24 X 1 1/4 |
| SC-01024-1500-ETSU | 10-24 X 1 1/2 |
| SC-01032-0125-ETSU | 10-32 X 1/8   |
| SC-01032-0187-ETSU | 10-32 X 3/16  |
| SC-01032-0250-ETSU | 10-32 X 1/4   |
| SC-01032-0312-ETSU | 10-32 X 5/16  |

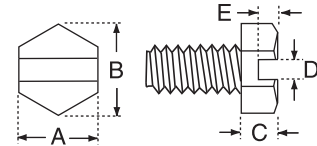
| THREAD SIZE | A    | B    |
|-------------|------|------|
| 8-32        | .325 | .240 |
| 10-24       | .350 | .260 |
| 10-32       | .350 | .260 |
| 1/4-20      | .480 | .370 |

| Item               | Description    |
|--------------------|----------------|
| SC-01032-0375-ETSU | 10-32 X 3/8    |
| SC-01032-0437-ETSU | 10-32 X 7/16   |
| SC-01032-0500-ETSU | 10-32 X 1/2    |
| SC-01032-0625-ETSU | 10-32 X 5/8    |
| SC-01032-0750-ETSU | 10-32 X 3/4    |
| SC-01032-0875-ETSU | 10-32 X 7/8    |
| SC-01032-1000-ETSU | 10-32 X 1      |
| SC-01032-1250-ETSU | 10-32 X 1 1/4  |
| SC-01032-1500-ETSU | 10-32 X 1 1/2  |
| SC-01420-0250-ETSU | 1/4-20 X 1/4   |
| SC-01420-0312-ETSU | 1/4-20 X 5/16  |
| SC-01420-0375-ETSU | 1/4-20 X 3/8   |
| SC-01420-0437-ETSU | 1/4-20 X 7/16  |
| SC-01420-0500-ETSU | 1/4-20 X 1/2   |
| SC-01420-0625-ETSU | 1/4-20 X 5/8   |
| SC-01420-0750-ETSU | 1/4-20 X 3/4   |
| SC-01420-0875-ETSU | 1/4-20 X 7/8   |
| SC-01420-1000-ETSU | 1/4-20 X 1     |
| SC-01420-1250-ETSU | 1/4-20 X 1 1/4 |
| SC-01420-1500-ETSU | 1/4-20 X 1 1/2 |



# Screws and Studs

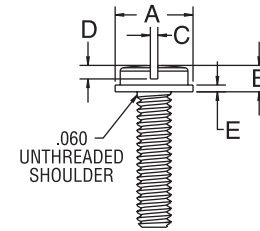
## Slotted Hex Cap



| Item                  | Description                   | THREAD SIZE | A    | REF. B | C    | D    | E    |
|-----------------------|-------------------------------|-------------|------|--------|------|------|------|
| SC-01420-2000-SLH     | 1/4-20 X 2                    | 1/4-20      | .430 | .500   | .175 | .070 | .090 |
| SC-01420-2500-SLH     | 1/4-20 X 2 1/2                | 5/16-18     | .485 | .540   | .225 | .065 | .120 |
| SC-01420-2500-SLH-PTH | 1/4-20 X 2 1/2 (1.290 THREAD) |             |      |        |      |      |      |
| SC-51618-2000-SLH     | 5/16-18 X 2                   |             |      |        |      |      |      |

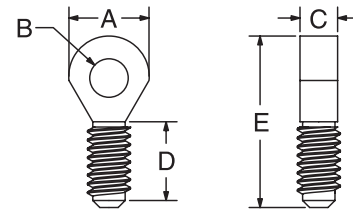
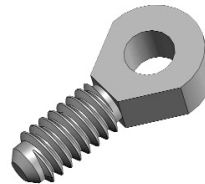
PTH = PARTIAL THREAD

## Slotted Binding Washer Head



| Item              | Description | THREAD SIZE | A    | B    | C    | D    | E    |
|-------------------|-------------|-------------|------|------|------|------|------|
| SC-01420-1000-BNW | 1/4-20 X 1  | 1/4-20      | .575 | .195 | .055 | .100 | .050 |

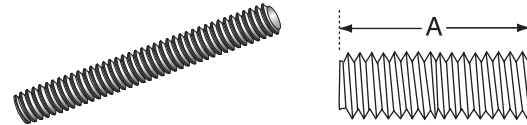
## Spade Bolt



| Item     | A    | B    | C    | D    | E    |
|----------|------|------|------|------|------|
| BTS-2187 | .455 | .220 | .215 | .450 | .980 |

## Studs

| Item               | Description   | A     |
|--------------------|---------------|-------|
| SC-00440-0125-STUD | 4-40 X 1/8    | .125  |
| SC-00440-0187-STUD | 4-40 X 3/16   | .187  |
| SC-00440-0250-STUD | 4-40 X 1/4    | .250  |
| SC-00440-0281-STUD | 4-40 X 9/32   | .281  |
| SC-00440-0312-STUD | 4-40 X 5/16   | .312  |
| SC-00440-0375-STUD | 4-40 X 3/8    | .375  |
| SC-00440-0437-STUD | 4-40 X 7/16   | .437  |
| SC-00440-0500-STUD | 4-40 X 1/2    | .500  |
| SC-00440-0625-STUD | 4-40 X 5/8    | .625  |
| SC-00440-0750-STUD | 4-40 X 3/4    | .750  |
| SC-00440-0875-STUD | 4-40 X 7/8    | .875  |
| SC-00440-1000-STUD | 4-40 X 1      | 1.000 |
| SC-00440-1250-STUD | 4-40 X 1 1/4  | 1.250 |
| SC-00440-1375-STUD | 4-40 X 1 3/8  | 1.375 |
| SC-00440-1500-STUD | 4-40 X 1 1/2  | 1.500 |
| SC-00632-0125-STUD | 6-32 X 1/8    | .125  |
| SC-00632-0187-STUD | 6-32 X 3/16   | .187  |
| SC-00632-0250-STUD | 6-32 X 1/4    | .250  |
| SC-00632-0312-STUD | 6-32 X 5/16   | .312  |
| SC-00632-0375-STUD | 6-32 X 3/8    | .375  |
| SC-00632-0437-STUD | 6-32 X 7/16   | .437  |
| SC-00632-0500-STUD | 6-32 X 1/2    | .500  |
| SC-00632-0562-STUD | 6-32 X 9/16   | .562  |
| SC-00632-0625-STUD | 6-32 X 5/8    | .625  |
| SC-00632-0750-STUD | 6-32 X 3/4    | .750  |
| SC-00632-0875-STUD | 6-32 X 7/8    | .875  |
| SC-00632-1000-STUD | 6-32 X 1      | 1.000 |
| SC-00632-1125-STUD | 6-32 X 1 1/8  | 1.125 |
| SC-00632-1250-STUD | 6-32 X 1 1/4  | 1.250 |
| SC-00632-1500-STUD | 6-32 X 1 1/2  | 1.500 |
| SC-00632-1750-STUD | 6-32 X 1 3/4  | 1.750 |
| SC-00832-0125-STUD | 8-32 X 1/8    | .125  |
| SC-00832-0187-STUD | 8-32 X 3/16   | .187  |
| SC-00832-0250-STUD | 8-32 X 1/4    | .250  |
| SC-00832-0312-STUD | 8-32 X 5/16   | .312  |
| SC-00832-0375-STUD | 8-32 X 3/8    | .375  |
| SC-00832-0437-STUD | 8-32 X 7/16   | .437  |
| SC-00832-0500-STUD | 8-32 X 1/2    | .500  |
| SC-00832-0625-STUD | 8-32 X 5/8    | .625  |
| SC-00832-0750-STUD | 8-32 X 3/4    | .750  |
| SC-00832-0875-STUD | 8-32 X 7/8    | .875  |
| SC-00832-1000-STUD | 8-32 X 1      | 1.000 |
| SC-00832-1250-STUD | 8-32 X 1 1/4  | 1.250 |
| SC-00832-1500-STUD | 8-32 X 1 1/2  | 1.500 |
| SC-01024-0125-STUD | 10-24 X 1/8   | .125  |
| SC-01024-0250-STUD | 10-24 X 1/4   | .250  |
| SC-01024-0312-STUD | 10-24 X 5/16  | .312  |
| SC-01024-0375-STUD | 10-24 X 3/8   | .375  |
| SC-01024-0500-STUD | 10-24 X 1/2   | .500  |
| SC-01024-0625-STUD | 10-24 X 5/8   | .625  |
| SC-01024-0750-STUD | 10-24 X 3/4   | .750  |
| SC-01024-1000-STUD | 10-24 X 1     | 1.000 |
| SC-01024-1250-STUD | 10-24 X 1 1/4 | 1.250 |
| SC-01024-1500-STUD | 10-24 X 1 1/2 | 1.500 |
| SC-01032-0125-STUD | 10-32 X 1/8   | .125  |
| SC-01032-0187-STUD | 10-32 X 3/16  | .187  |
| SC-01032-0250-STUD | 10-32 X 1/4   | .250  |

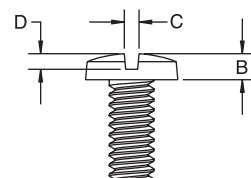


| Item               | Description     | A     |
|--------------------|-----------------|-------|
| SC-01032-0312-STUD | 10-32 X 5/16    | .312  |
| SC-01032-0375-STUD | 10-32 X 3/8     | .375  |
| SC-01032-0437-STUD | 10-32 X 7/16    | .437  |
| SC-01032-0500-STUD | 10-32 X 1/2     | .500  |
| SC-01032-0625-STUD | 10-32 X 5/8     | .625  |
| SC-01032-0750-STUD | 10-32 X 3/4     | .750  |
| SC-01032-0875-STUD | 10-32 X 7/8     | .875  |
| SC-01032-1000-STUD | 10-32 X 1       | 1.000 |
| SC-01032-1250-STUD | 10-32 X 1 1/4   | 1.250 |
| SC-01032-1500-STUD | 10-32 X 1 1/2   | 1.500 |
| SC-01032-2000-STUD | 10-32 X 2       | 2.000 |
| SC-01032-3000-STUD | 10-32 X 3       | 3.000 |
| SC-01032-4000-STUD | 10-32 X 4       | 4.000 |
| SC-01032-5000-STUD | 10-32 X 5       | 5.000 |
| SC-01420-0250-STUD | 1/4-20 X 1/4    | .250  |
| SC-01420-0312-STUD | 1/4-20 X 5/16   | .312  |
| SC-01420-0375-STUD | 1/4-20 X 3/8    | .375  |
| SC-01420-0437-STUD | 1/4-20 X 7/16   | .437  |
| SC-01420-0500-STUD | 1/4-20 X 1/2    | .500  |
| SC-01420-0625-STUD | 1/4-20 X 5/8    | .625  |
| SC-01420-0750-STUD | 1/4-20 X 3/4    | .750  |
| SC-01420-0875-STUD | 1/4-20 X 7/8    | .875  |
| SC-01420-1000-STUD | 1/4-20 X 1      | 1.000 |
| SC-01420-1250-STUD | 1/4-20 X 1 1/4  | 1.250 |
| SC-01420-1500-STUD | 1/4-20 X 1 1/2  | 1.500 |
| SC-01420-2000-STUD | 1/4-20 X 2      | 2.000 |
| SC-01420-3000-STUD | 1/4-20 X 3      | 3.000 |
| SC-01420-4000-STUD | 1/4-20 X 4      | 4.000 |
| SC-01420-5000-STUD | 1/4-20 X 5      | 5.000 |
| SC-51618-0500-STUD | 5/16-18 X 1/2   | .500  |
| SC-51618-0750-STUD | 5/16-18 X 3/4   | .750  |
| SC-51618-1000-STUD | 5/16-18 X 1     | 1.000 |
| SC-51618-1375-STUD | 5/16-18 X 1 3/8 | 1.375 |
| SC-51618-1500-STUD | 5/16-18 X 1 1/2 | 1.500 |
| SC-51618-2000-STUD | 5/16-18 X 2     | 2.000 |
| SC-51618-3000-STUD | 5/16-18 X 3     | 3.000 |
| SC-51618-4000-STUD | 5/16-18 X 4     | 4.000 |
| SC-51618-5000-STUD | 5/16-18 X 5     | 5.000 |
| SC-03816-0500-STUD | 3/8-16 X 1/2    | .500  |
| SC-03816-0750-STUD | 3/8-16 X 3/4    | .750  |
| SC-03816-1000-STUD | 3/8-16 X 1      | 1.000 |
| SC-03816-1250-STUD | 3/8-16 X 1 1/4  | 1.250 |
| SC-03816-1437-STUD | 3/8-16 X 1 7/16 | 1.437 |
| SC-03816-1500-STUD | 3/8-16 X 1 1/2  | 1.500 |
| SC-03816-2000-STUD | 3/8-16 X 2      | 2.000 |
| SC-03816-3000-STUD | 3/8-16 X 3      | 3.000 |
| SC-03816-4000-STUD | 3/8-16 X 4      | 4.000 |
| SC-03816-5000-STUD | 3/8-16 X 5      | 5.000 |
| SC-01213-0375-STUD | 1/2-13 X 3/8    | .375  |
| SC-01213-1000-STUD | 1/2-13 X 1      | 1.000 |
| SC-01213-2000-STUD | 1/2-13 X 2      | 2.000 |
| SC-01213-3000-STUD | 1/2-13 X 3      | 3.000 |
| SC-01213-4000-STUD | 1/2-13 X 4      | 4.000 |
| SC-01213-5000-STUD | 1/2-13 X 5      | 5.000 |





# Screws and Studs



## Binding Combo Drive

SCREWS & STUDS

| Item              | Description  |
|-------------------|--------------|
| SC-00256-0125-BNC | 2-56 X 1/8   |
| SC-00256-0187-BNC | 2-56 X 3/16  |
| SC-00256-0250-BNC | 2-56 X 1/4   |
| SC-00256-0281-BNC | 2-56 X 9/32  |
| SC-00256-0312-BNC | 2-56 X 5/16  |
| SC-00256-0375-BNC | 2-56 X 3/8   |
| SC-00256-0437-BNC | 2-56 X 7/16  |
| SC-00256-0500-BNC | 2-56 X 1/2   |
| SC-00256-0750-BNC | 2-56 X 3/4   |
| SC-00256-1000-BNC | 2-56 X 1     |
| SC-00440-0125-BNC | 4-40 X 1/8   |
| SC-00440-0187-BNC | 4-40 X 3/16  |
| SC-00440-0250-BNC | 4-40 X 1/4   |
| SC-00440-0281-BNC | 4-40 X 9/32  |
| SC-00440-0312-BNC | 4-40 X 5/16  |
| SC-00440-0375-BNC | 4-40 X 3/8   |
| SC-00440-0437-BNC | 4-40 X 7/16  |
| SC-00440-0500-BNC | 4-40 X 1/2   |
| SC-00440-0625-BNC | 4-40 X 5/8   |
| SC-00440-0750-BNC | 4-40 X 3/4   |
| SC-00440-0875-BNC | 4-40 X 7/8   |
| SC-00440-1000-BNC | 4-40 X 1     |
| SC-00440-1250-BNC | 4-40 X 1 1/4 |
| SC-00440-1375-BNC | 4-40 X 1 3/8 |
| SC-00440-1500-BNC | 4-40 X 1 1/2 |
| SC-00632-0125-BNC | 6-32 X 1/8   |
| SC-00632-0187-BNC | 6-32 X 3/16  |
| SC-00632-0250-BNC | 6-32 X 1/4   |
| SC-00632-0312-BNC | 6-32 X 5/16  |
| SC-00632-0375-BNC | 6-32 X 3/8   |
| SC-00632-0437-BNC | 6-32 X 7/16  |
| SC-00632-0500-BNC | 6-32 X 1/2   |
| SC-00632-0562-BNC | 6-32 X 9/16  |
| SC-00632-0625-BNC | 6-32 X 5/8   |
| SC-00632-0750-BNC | 6-32 X 3/4   |
| SC-00632-0875-BNC | 6-32 X 7/8   |
| SC-00632-1000-BNC | 6-32 X 1     |
| SC-00632-1125-BNC | 6-32 X 1 1/8 |
| SC-00632-1250-BNC | 6-32 X 1 1/4 |
| SC-00632-1500-BNC | 6-32 X 1 1/2 |
| SC-00832-0125-BNC | 8-32 X 1/8   |
| SC-00832-0187-BNC | 8-32 X 3/16  |
| SC-00832-0250-BNC | 8-32 X 1/4   |
| SC-00832-0312-BNC | 8-32 X 5/16  |
| SC-00832-0375-BNC | 8-32 X 3/8   |
| SC-00832-0437-BNC | 8-32 X 7/16  |
| SC-00832-0500-BNC | 8-32 X 1/2   |
| SC-00832-0625-BNC | 8-32 X 5/8   |
| SC-00832-0750-BNC | 8-32 X 3/4   |

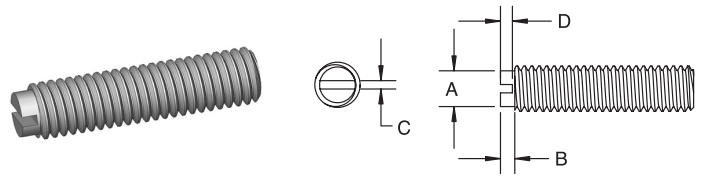
| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 2-56        | .170 | .050 | .022 | .025 |
| 4-40        | .226 | .065 | .030 | .035 |
| 6-32        | .275 | .090 | .035 | .045 |
| 8-32        | .330 | .100 | .040 | .056 |
| 10-24       | .380 | .117 | .045 | .065 |
| 10-32       | .380 | .117 | .045 | .065 |
| 1/4-20      | .495 | .150 | .055 | .080 |

| Item              | Description    |
|-------------------|----------------|
| SC-00832-0875-BNC | 8-32 X 7/8     |
| SC-00832-1000-BNC | 8-32 X 1       |
| SC-00832-1250-BNC | 8-32 X 1 1/4   |
| SC-00832-1500-BNC | 8-32 X 1 1/2   |
| SC-01024-0125-BNC | 10-24 X 1/8    |
| SC-01024-0250-BNC | 10-24 X 1/4    |
| SC-01024-0312-BNC | 10-24 X 5/16   |
| SC-01024-0375-BNC | 10-24 X 3/8    |
| SC-01024-0500-BNC | 10-24 X 1/2    |
| SC-01024-0625-BNC | 10-24 X 5/8    |
| SC-01024-0750-BNC | 10-24 X 3/4    |
| SC-01024-1000-BNC | 10-24 X 1      |
| SC-01024-1250-BNC | 10-24 X 1 1/4  |
| SC-01024-1500-BNC | 10-24 X 1 1/2  |
| SC-01032-0125-BNC | 10-32 X 1/8    |
| SC-01032-0187-BNC | 10-32 X 3/16   |
| SC-01032-0250-BNC | 10-32 X 1/4    |
| SC-01032-0312-BNC | 10-32 X 5/16   |
| SC-01032-0375-BNC | 10-32 X 3/8    |
| SC-01032-0437-BNC | 10-32 X 7/16   |
| SC-01032-0500-BNC | 10-32 X 1/2    |
| SC-01032-0625-BNC | 10-32 X 5/8    |
| SC-01032-0750-BNC | 10-32 X 3/4    |
| SC-01032-0875-BNC | 10-32 X 7/8    |
| SC-01032-1000-BNC | 10-32 X 1      |
| SC-01032-1250-BNC | 10-32 X 1 1/4  |
| SC-01032-1500-BNC | 10-32 X 1 1/2  |
| SC-01420-0250-BNC | 1/4-20 X 1/4   |
| SC-01420-0312-BNC | 1/4-20 X 5/16  |
| SC-01420-0375-BNC | 1/4-20 X 3/8   |
| SC-01420-0437-BNC | 1/4-20 X 7/16  |
| SC-01420-0500-BNC | 1/4-20 X 1/2   |
| SC-01420-0625-BNC | 1/4-20 X 5/8   |
| SC-01420-0750-BNC | 1/4-20 X 3/4   |
| SC-01420-0875-BNC | 1/4-20 X 7/8   |
| SC-01420-1000-BNC | 1/4-20 X 1     |
| SC-01420-1250-BNC | 1/4-20 X 1 1/4 |
| SC-01420-1500-BNC | 1/4-20 X 1 1/2 |





## Slotted Set



| Item              | Description  |
|-------------------|--------------|
| SC-00440-0125-SLS | 4-40 X 1/8   |
| SC-00440-0187-SLS | 4-40 X 3/16  |
| SC-00440-0250-SLS | 4-40 X 1/4   |
| SC-00440-0281-SLS | 4-40 X 9/32  |
| SC-00440-0312-SLS | 4-40 X 5/16  |
| SC-00440-0375-SLS | 4-40 X 3/8   |
| SC-00440-0437-SLS | 4-40 X 7/16  |
| SC-00440-0500-SLS | 4-40 X 1/2   |
| SC-00440-0625-SLS | 4-40 X 5/8   |
| SC-00440-0750-SLS | 4-40 X 3/4   |
| SC-00440-0875-SLS | 4-40 X 7/8   |
| SC-00440-1000-SLS | 4-40 X 1     |
| SC-00440-1250-SLS | 4-40 X 1 1/4 |
| SC-00440-1375-SLS | 4-40 X 1 3/8 |
| SC-00440-1500-SLS | 4-40 X 1 1/2 |
| SC-00632-0125-SLS | 6-32 X 1/8   |
| SC-00632-0187-SLS | 6-32 X 3/16  |
| SC-00632-0250-SLS | 6-32 X 1/4   |
| SC-00632-0312-SLS | 6-32 X 5/16  |
| SC-00632-0375-SLS | 6-32 X 3/8   |
| SC-00632-0437-SLS | 6-32 X 7/16  |
| SC-00632-0500-SLS | 6-32 X 1/2   |
| SC-00632-0562-SLS | 6-32 X 9/16  |
| SC-00632-0625-SLS | 6-32 X 5/8   |
| SC-00632-0750-SLS | 6-32 X 3/4   |
| SC-00632-0875-SLS | 6-32 X 7/8   |
| SC-00632-1000-SLS | 6-32 X 1     |
| SC-00632-1125-SLS | 6-32 X 1 1/8 |
| SC-00632-1250-SLS | 6-32 X 1 1/4 |
| SC-00632-1500-SLS | 6-32 X 1 1/2 |
| SC-00832-0125-SLS | 8-32 X 1/8   |
| SC-00832-0187-SLS | 8-32 X 3/16  |
| SC-00832-0250-SLS | 8-32 X 1/4   |
| SC-00832-0312-SLS | 8-32 X 5/16  |
| SC-00832-0375-SLS | 8-32 X 3/8   |
| SC-00832-0437-SLS | 8-32 X 7/16  |
| SC-00832-0500-SLS | 8-32 X 1/2   |
| SC-00832-0625-SLS | 8-32 X 5/8   |
| SC-00832-0750-SLS | 8-32 X 3/4   |
| SC-00832-0875-SLS | 8-32 X 7/8   |
| SC-00832-1000-SLS | 8-32 X 1     |
| SC-00832-1250-SLS | 8-32 X 1 1/4 |
| SC-00832-1500-SLS | 8-32 X 1 1/2 |
| SC-01024-0125-SLS | 10-24 X 1/8  |

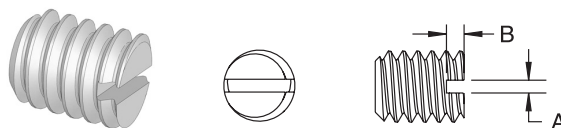
| THREAD SIZE | A    | B    | C    | D    |
|-------------|------|------|------|------|
| 4-40        | .075 | .045 | .020 | .025 |
| 6-32        | .100 | .055 | .025 | .030 |
| 8-32        | .120 | .055 | .028 | .035 |
| 10-24       | .150 | .060 | .035 | .050 |
| 10-32       | .150 | .060 | .035 | .050 |
| 1/4-20      | .175 | .080 | .040 | .060 |

| Item              | Description    |
|-------------------|----------------|
| SC-01024-0250-SLS | 10-24 X 1/4    |
| SC-01024-0312-SLS | 10-24 X 5/16   |
| SC-01024-0375-SLS | 10-24 X 3/8    |
| SC-01024-0500-SLS | 10-24 X 1/2    |
| SC-01024-0625-SLS | 10-24 X 5/8    |
| SC-01024-0750-SLS | 10-24 X 3/4    |
| SC-01024-1000-SLS | 10-24 X 1      |
| SC-01024-1250-SLS | 10-24 X 1 1/4  |
| SC-01024-1500-SLS | 10-24 X 1 1/2  |
| SC-01032-0125-SLS | 10-32 X 1/8    |
| SC-01032-0187-SLS | 10-32 X 3/16   |
| SC-01032-0250-SLS | 10-32 X 1/4    |
| SC-01032-0312-SLS | 10-32 X 5/16   |
| SC-01032-0375-SLS | 10-32 X 3/8    |
| SC-01032-0437-SLS | 10-32 X 7/16   |
| SC-01032-0500-SLS | 10-32 X 1/2    |
| SC-01032-0625-SLS | 10-32 X 5/8    |
| SC-01032-0750-SLS | 10-32 X 3/4    |
| SC-01032-0875-SLS | 10-32 X 7/8    |
| SC-01032-1000-SLS | 10-32 X 1      |
| SC-01032-1250-SLS | 10-32 X 1 1/4  |
| SC-01032-1500-SLS | 10-32 X 1 1/2  |
| SC-01420-0250-SLS | 1/4-20 X 1/4   |
| SC-01420-0312-SLS | 1/4-20 X 5/16  |
| SC-01420-0375-SLS | 1/4-20 X 3/8   |
| SC-01420-0437-SLS | 1/4-20 X 7/16  |
| SC-01420-0500-SLS | 1/4-20 X 1/2   |
| SC-01420-0625-SLS | 1/4-20 X 5/8   |
| SC-01420-0750-SLS | 1/4-20 X 3/4   |
| SC-01420-0875-SLS | 1/4-20 X 7/8   |
| SC-01420-1000-SLS | 1/4-20 X 1     |
| SC-01420-1250-SLS | 1/4-20 X 1 1/4 |
| SC-01420-1500-SLS | 1/4-20 X 1 1/2 |



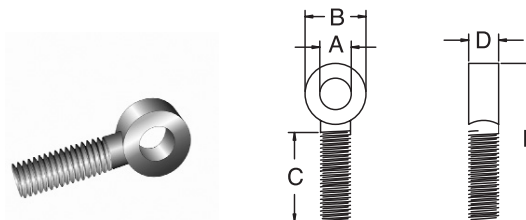
# Screws and Studs

## Special Slotted Set



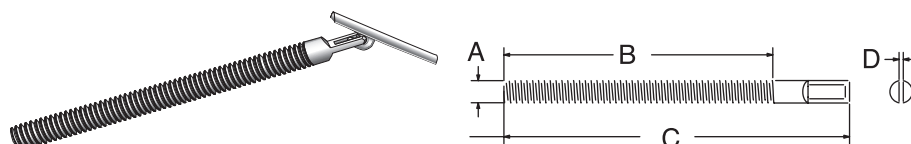
| Item                                         |               | A    | B    |
|----------------------------------------------|---------------|------|------|
| SC-01420-0312-SLS-SP                         | 1/4-20 X 5/16 | .045 | .062 |
| SC-03816-0500-SLS-SP                         | 3/8-16 X 1/2  | .055 | .095 |
| SC-03816-0625-SLS-SP                         | 3/8-16 X 5/8  | .055 | .095 |
| SC-03816-0750-SLS-SP (TIP: FLAT POINT STYLE) | 3/8-16 X 3/4  | .055 | .095 |
| SC-01213-0500-SLS-SP                         | 1/2-13 X 1/2  | .055 | .075 |
| SC-01213-0750-SLS-SP                         | 1/2-13 X 3/4  | .055 | .075 |

## Eye Bolts



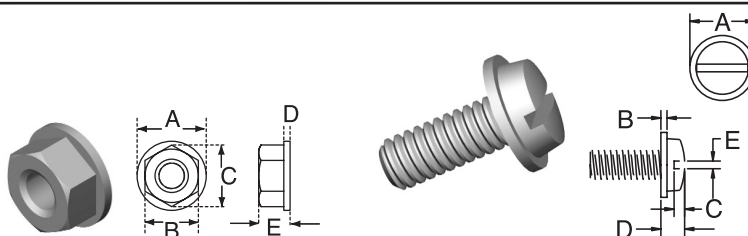
| Item          | Description       | A    | B    | C    | D    | E     |
|---------------|-------------------|------|------|------|------|-------|
| BTE-51624-THR | RIGHT HAND THREAD | .312 | .625 | .875 | .312 | 1.625 |
| BTE-51624-THL | LEFT HAND THREAD  | .312 | .625 | .875 | .312 | 1.625 |

## Fasten-It



| Item           | Description | A    | B     | C     | D    |
|----------------|-------------|------|-------|-------|------|
| FST-00632-2000 | 6-32 X 2    | .134 | 2.000 | 2.545 | .050 |
| FST-00832-2000 | 8-32 X 2    | .160 | 2.000 | 2.545 | .050 |
| FST-01032-2000 | 10-32 X 2   | .185 | 2.000 | 2.545 | .050 |
| FST-01420-3000 | 1/4-20 X 3  | .244 | 3.000 | 3.525 | .062 |

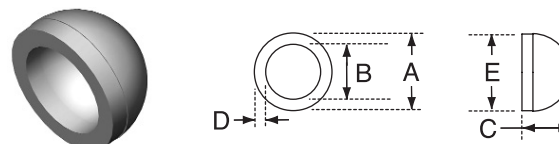
## License Plate Screw & Nut



| Item             | Description          | A    | B    | C         | D    | E    |
|------------------|----------------------|------|------|-----------|------|------|
| SC-01420-0625-LP | 1/4-20 X 5/8 (SCREW) | .550 | .050 | .085      | .195 | .060 |
| NLP-1420         | 1/4-20 (NUT)         | .550 | .425 | .490 REF. | .050 | .250 |
| NLLP-1420        | 1/4-20 (LOCK NUT)    | .550 | .425 | .490 REF. | .050 | .250 |

## Screw Dome Covers

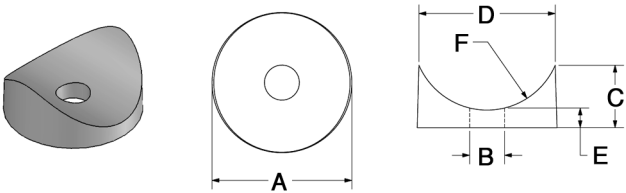
DYNA7980 = DYNAFLEX G7980



| Item              | A    | B    | C    | D    | E    |
|-------------------|------|------|------|------|------|
| CSD-1455-DYNA7980 | .390 | .276 | .245 | .057 | .385 |
| CSD-2304-DYNA7980 | .375 | .273 | .200 | .051 | —    |

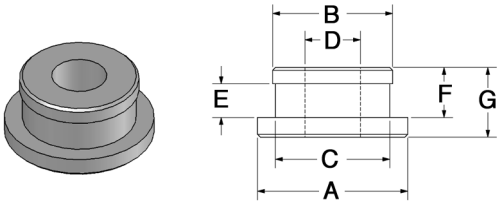
1455 WORKS WITH #8 SCREW HEAD STYLES ROUND, PAN, AND PHILLIPS PAN

2304 WORKS WITH #8 SCREW HEAD STYLES PAN, AND PHILLIPS PAN



Coved Spacers

| Item     | A     | B    | C    | D     | E    | F (RADIUS) |
|----------|-------|------|------|-------|------|------------|
| SPC-0668 | 1.250 | .330 | .540 | 1.250 | .150 | .700       |
| SPC-1141 | 1.000 | .250 | .445 | .975  | .125 | .528       |



Spacer Grommets

| Item               | A    | B    | C    | D    | E    | F    | G    |
|--------------------|------|------|------|------|------|------|------|
| SPG-0230-0128-0140 | .230 | .210 | .199 | .128 | .120 | .140 | .190 |
| SPG-0268-0099-0089 | .268 | .214 | .204 | .099 | .060 | .089 | .124 |

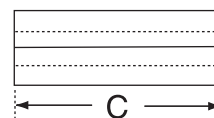
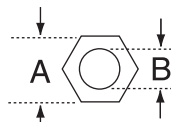
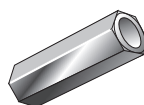
SPACERS



# Spacers

## Hex Spacers

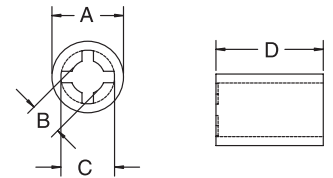
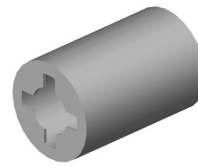
| Item     | A    | B    | C     | SCREW |
|----------|------|------|-------|-------|
| SPH-2596 | 3/16 | .072 | 1/8   | 1     |
| SPH-0001 | 3/16 | .098 | 1/8   | 2     |
| SPH-0002 | 3/16 | .115 | 1/8   | 4     |
| SPH-2595 | 3/16 | .072 | 3/16  | 1     |
| SPH-0003 | 3/16 | .098 | 3/16  | 2     |
| SPH-0004 | 3/16 | .115 | 3/16  | 4     |
| SPH-2594 | 3/16 | .072 | 1/4   | 1     |
| SPH-0005 | 3/16 | .098 | 1/4   | 2     |
| SPH-0006 | 3/16 | .115 | 1/4   | 4     |
| SPH-2593 | 3/16 | .072 | 5/16  | 1     |
| SPH-0007 | 3/16 | .098 | 5/16  | 2     |
| SPH-0008 | 3/16 | .115 | 5/16  | 4     |
| SPH-2592 | 3/16 | .072 | 3/8   | 1     |
| SPH-0009 | 3/16 | .098 | 3/8   | 2     |
| SPH-0010 | 3/16 | .115 | 3/8   | 4     |
| SPH-2591 | 3/16 | .072 | 7/16  | 1     |
| SPH-0011 | 3/16 | .098 | 7/16  | 2     |
| SPH-0012 | 3/16 | .115 | 7/16  | 4     |
| SPH-2590 | 3/16 | .072 | 1/2   | 1     |
| SPH-0013 | 3/16 | .098 | 1/2   | 2     |
| SPH-0014 | 3/16 | .115 | 1/2   | 4     |
| SPH-2589 | 3/16 | .072 | 9/16  | 1     |
| SPH-0015 | 3/16 | .098 | 9/16  | 2     |
| SPH-0016 | 3/16 | .115 | 9/16  | 4     |
| SPH-2588 | 3/16 | .072 | 5/8   | 1     |
| SPH-0017 | 3/16 | .098 | 5/8   | 2     |
| SPH-0018 | 3/16 | .115 | 5/8   | 4     |
| SPH-2587 | 3/16 | .072 | 11/16 | 1     |
| SPH-0019 | 3/16 | .098 | 11/16 | 2     |
| SPH-0020 | 3/16 | .115 | 11/16 | 4     |
| SPH-2586 | 3/16 | .072 | 3/4   | 1     |
| SPH-0021 | 3/16 | .098 | 3/4   | 2     |
| SPH-0022 | 3/16 | .115 | 3/4   | 4     |
| SPH-2585 | 3/16 | .072 | 13/16 | 1     |
| SPH-0023 | 3/16 | .098 | 13/16 | 2     |
| SPH-0024 | 3/16 | .115 | 13/16 | 4     |
| SPH-2584 | 3/16 | .072 | 7/8   | 1     |
| SPH-0025 | 3/16 | .098 | 7/8   | 2     |
| SPH-0026 | 3/16 | .115 | 7/8   | 4     |
| SPH-2583 | 3/16 | .072 | 15/16 | 1     |
| SPH-0027 | 3/16 | .098 | 15/16 | 2     |
| SPH-0028 | 3/16 | .115 | 15/16 | 4     |
| SPH-2582 | 3/16 | .072 | 1     | 1     |
| SPH-0029 | 3/16 | .098 | 1     | 2     |
| SPH-0030 | 3/16 | .115 | 1     | 4     |
| SPH-0035 | 1/4  | .091 | 3/16  | 2     |
| SPH-0036 | 1/4  | .115 | 3/16  | 4     |
| SPH-0037 | 1/4  | .140 | 3/16  | 6     |
| SPH-0038 | 1/4  | .171 | 3/16  | 8     |
| SPH-0039 | 1/4  | .091 | 1/4   | 2     |
| SPH-0040 | 1/4  | .115 | 1/4   | 4     |
| SPH-0041 | 1/4  | .140 | 1/4   | 6     |
| SPH-0042 | 1/4  | .171 | 1/4   | 8     |
| SPH-0043 | 1/4  | .091 | 5/16  | 2     |
| SPH-0044 | 1/4  | .115 | 5/16  | 4     |
| SPH-0045 | 1/4  | .140 | 5/16  | 6     |
| SPH-0046 | 1/4  | .171 | 5/16  | 8     |



| Item       | A    | B    | C     | SCREW |
|------------|------|------|-------|-------|
| SPH-0047   | 1/4  | .091 | 3/8   | 2     |
| SPH-0048   | 1/4  | .115 | 3/8   | 4     |
| SPH-0049   | 1/4  | .140 | 3/8   | 6     |
| SPH-0050   | 1/4  | .171 | 3/8   | 8     |
| SPH-0051   | 1/4  | .091 | 7/16  | 2     |
| SPH-0052   | 1/4  | .115 | 7/16  | 4     |
| SPH-0053   | 1/4  | .140 | 7/16  | 6     |
| SPH-0054   | 1/4  | .171 | 7/16  | 8     |
| SPH-0055   | 1/4  | .091 | 1/2   | 2     |
| SPH-0055.1 | 1/4  | .098 | 1/2   | 2     |
| SPH-0056   | 1/4  | .115 | 1/2   | 4     |
| SPH-0057   | 1/4  | .140 | 1/2   | 6     |
| SPH-0058   | 1/4  | .171 | 1/2   | 8     |
| SPH-0059   | 1/4  | .091 | 9/16  | 2     |
| SPH-0059.1 | 1/4  | .098 | 9/16  | 2     |
| SPH-0060   | 1/4  | .115 | 9/16  | 4     |
| SPH-0061   | 1/4  | .140 | 9/16  | 6     |
| SPH-0062   | 1/4  | .171 | 9/16  | 8     |
| SPH-0063   | 1/4  | .091 | 5/8   | 2     |
| SPH-0063.1 | 1/4  | .098 | 5/8   | 2     |
| SPH-0064   | 1/4  | .115 | 5/8   | 4     |
| SPH-0065   | 1/4  | .140 | 5/8   | 6     |
| SPH-0066   | 1/4  | .171 | 5/8   | 8     |
| SPH-0067   | 1/4  | .091 | 11/16 | 2     |
| SPH-0067.1 | 1/4  | .098 | 11/16 | 2     |
| SPH-0068   | 1/4  | .115 | 11/16 | 4     |
| SPH-0069   | 1/4  | .140 | 11/16 | 6     |
| SPH-0070   | 1/4  | .171 | 11/16 | 8     |
| SPH-0071   | 1/4  | .091 | 3/4   | 2     |
| SPH-0071.1 | 1/4  | .098 | 3/4   | 2     |
| SPH-0072   | 1/4  | .115 | 3/4   | 4     |
| SPH-0073   | 1/4  | .140 | 3/4   | 6     |
| SPH-0074   | 1/4  | .171 | 3/4   | 8     |
| SPH-1356   | 1/4  | .091 | .800  | 2     |
| SPH-0075   | 1/4  | .091 | 13/16 | 2     |
| SPH-0075.1 | 1/4  | .098 | 13/16 | 2     |
| SPH-0076   | 1/4  | .115 | 13/16 | 4     |
| SPH-0077   | 1/4  | .140 | 13/16 | 6     |
| SPH-0078   | 1/4  | .171 | 13/16 | 8     |
| SPH-0079   | 1/4  | .091 | 7/8   | 2     |
| SPH-0079.1 | 1/4  | .098 | 7/8   | 2     |
| SPH-0080   | 1/4  | .115 | 7/8   | 4     |
| SPH-0081   | 1/4  | .140 | 7/8   | 6     |
| SPH-0082   | 1/4  | .171 | 7/8   | 8     |
| SPH-0083   | 1/4  | .091 | 15/16 | 2     |
| SPH-0083.1 | 1/4  | .098 | 15/16 | 2     |
| SPH-0084   | 1/4  | .115 | 15/16 | 4     |
| SPH-0085   | 1/4  | .140 | 15/16 | 6     |
| SPH-0086   | 1/4  | .171 | 15/16 | 8     |
| SPH-0087   | 1/4  | .091 | 1     | 2     |
| SPH-0087.1 | 1/4  | .098 | 1     | 2     |
| SPH-0088   | 1/4  | .115 | 1     | 4     |
| SPH-0089   | 1/4  | .140 | 1     | 6     |
| SPH-0090   | 1/4  | .171 | 1     | 8     |
| SPH-0836   | 5/16 | .115 | 1 1/8 | 4     |



## Retaining Spacers



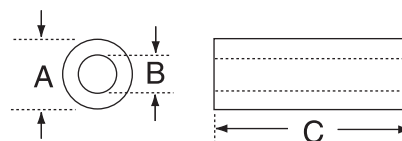
| Item                | SCREW | A    | B    | C    | D     |
|---------------------|-------|------|------|------|-------|
| SPRT-0250-0078-0125 | 2     | .250 | .078 | .115 | .125  |
| SPRT-0250-0078-0187 | 2     | .250 | .078 | .115 | .187  |
| SPRT-0250-0078-0250 | 2     | .250 | .078 | .115 | .250  |
| SPRT-0250-0078-0312 | 2     | .250 | .078 | .115 | .312  |
| SPRT-0250-0078-0375 | 2     | .250 | .078 | .115 | .375  |
| SPRT-0250-0078-0437 | 2     | .250 | .078 | .115 | .437  |
| SPRT-0250-0078-0500 | 2     | .250 | .078 | .115 | .500  |
| SPRT-0250-0078-0562 | 2     | .250 | .078 | .115 | .562  |
| SPRT-0250-0078-0625 | 2     | .250 | .078 | .115 | .625  |
| SPRT-0250-0078-0687 | 2     | .250 | .078 | .115 | .687  |
| SPRT-0250-0078-0750 | 2     | .250 | .078 | .115 | .750  |
| SPRT-0250-0078-0812 | 2     | .250 | .078 | .115 | .812  |
| SPRT-0250-0078-0875 | 2     | .250 | .078 | .115 | .875  |
| SPRT-0250-0078-0937 | 2     | .250 | .078 | .115 | .937  |
| SPRT-0250-0078-1000 | 2     | .250 | .078 | .115 | 1.000 |
| SPRT-0250-0102-0125 | 4     | .250 | .102 | .156 | .125  |
| SPRT-0250-0102-0187 | 4     | .250 | .102 | .156 | .187  |
| SPRT-0250-0102-0250 | 4     | .250 | .102 | .156 | .250  |
| SPRT-0250-0102-0312 | 4     | .250 | .102 | .156 | .312  |
| SPRT-0250-0102-0375 | 4     | .250 | .102 | .156 | .375  |
| SPRT-0250-0102-0437 | 4     | .250 | .102 | .156 | .437  |
| SPRT-0250-0102-0500 | 4     | .250 | .102 | .156 | .500  |
| SPRT-0250-0102-0562 | 4     | .250 | .102 | .156 | .562  |
| SPRT-0250-0102-0625 | 4     | .250 | .102 | .156 | .625  |
| SPRT-0250-0102-0687 | 4     | .250 | .102 | .156 | .687  |
| SPRT-0250-0102-0750 | 4     | .250 | .102 | .156 | .750  |
| SPRT-0250-0102-0812 | 4     | .250 | .102 | .156 | .812  |
| SPRT-0250-0102-0875 | 4     | .250 | .102 | .156 | .875  |
| SPRT-0250-0102-0937 | 4     | .250 | .102 | .156 | .937  |
| SPRT-0250-0102-1000 | 4     | .250 | .102 | .156 | 1.000 |
| SPRT-0312-0128-0125 | 6     | .312 | .128 | .156 | .125  |
| SPRT-0312-0128-0187 | 6     | .312 | .128 | .156 | .187  |
| SPRT-0312-0128-0250 | 6     | .312 | .128 | .156 | .250  |
| SPRT-0312-0128-0312 | 6     | .312 | .128 | .156 | .312  |
| SPRT-0312-0128-0375 | 6     | .312 | .128 | .156 | .375  |
| SPRT-0312-0128-0437 | 6     | .312 | .128 | .156 | .437  |
| SPRT-0312-0128-0500 | 6     | .312 | .128 | .156 | .500  |
| SPRT-0312-0128-0562 | 6     | .312 | .128 | .156 | .562  |
| SPRT-0312-0128-0625 | 6     | .312 | .128 | .156 | .625  |
| SPRT-0312-0128-0687 | 6     | .312 | .128 | .156 | .687  |
| SPRT-0312-0128-0750 | 6     | .312 | .128 | .156 | .750  |
| SPRT-0312-0128-0812 | 6     | .312 | .128 | .156 | .812  |
| SPRT-0312-0128-0875 | 6     | .312 | .128 | .156 | .875  |
| SPRT-0312-0128-0937 | 6     | .312 | .128 | .156 | .937  |
| SPRT-0312-0128-1000 | 6     | .312 | .128 | .156 | 1.000 |

| Item                | SCREW | A    | B    | C    | D     |
|---------------------|-------|------|------|------|-------|
| SPRT-0375-0152-0125 | 8     | .375 | .152 | .240 | .125  |
| SPRT-0375-0152-0187 | 8     | .375 | .152 | .240 | .187  |
| SPRT-0375-0152-0250 | 8     | .375 | .152 | .240 | .250  |
| SPRT-0375-0152-0312 | 8     | .375 | .152 | .240 | .312  |
| SPRT-0375-0152-0375 | 8     | .375 | .152 | .240 | .375  |
| SPRT-0375-0152-0437 | 8     | .375 | .152 | .240 | .437  |
| SPRT-0375-0152-0500 | 8     | .375 | .152 | .240 | .500  |
| SPRT-0375-0152-0562 | 8     | .375 | .152 | .240 | .562  |
| SPRT-0375-0152-0625 | 8     | .375 | .152 | .240 | .625  |
| SPRT-0375-0152-0687 | 8     | .375 | .152 | .240 | .687  |
| SPRT-0375-0152-0750 | 8     | .375 | .152 | .240 | .750  |
| SPRT-0375-0152-0812 | 8     | .375 | .152 | .240 | .812  |
| SPRT-0375-0152-0875 | 8     | .375 | .152 | .240 | .812  |
| SPRT-0375-0152-0937 | 8     | .375 | .152 | .240 | .937  |
| SPRT-0375-0152-1000 | 8     | .375 | .152 | .240 | 1.000 |
| SPRT-0500-0177-0125 | 6     | .500 | .177 | .277 | .125  |
| SPRT-0500-0177-0187 | 6     | .500 | .177 | .277 | .187  |
| SPRT-0500-0177-0250 | 6     | .500 | .177 | .277 | .250  |
| SPRT-0500-0177-0312 | 6     | .500 | .177 | .277 | .312  |
| SPRT-0500-0177-0375 | 6     | .500 | .177 | .277 | .375  |
| SPRT-0500-0177-0437 | 6     | .500 | .177 | .277 | .437  |
| SPRT-0500-0177-0500 | 6     | .500 | .177 | .277 | .500  |
| SPRT-0500-0177-0562 | 6     | .500 | .177 | .277 | .562  |
| SPRT-0500-0177-0625 | 6     | .500 | .177 | .277 | .625  |
| SPRT-0500-0177-0687 | 6     | .500 | .177 | .277 | .687  |
| SPRT-0500-0177-0750 | 6     | .500 | .177 | .277 | .750  |
| SPRT-0500-0177-0812 | 6     | .500 | .177 | .277 | .812  |
| SPRT-0500-0177-0875 | 6     | .500 | .177 | .277 | .875  |
| SPRT-0500-0177-0937 | 6     | .500 | .177 | .277 | .937  |
| SPRT-0500-0177-1000 | 6     | .500 | .177 | .277 | 1.000 |
| SPRT-0500-0234-0125 | 1/4   | .500 | .234 | .375 | .125  |
| SPRT-0500-0234-0187 | 1/4   | .500 | .234 | .375 | .187  |
| SPRT-0500-0234-0250 | 1/4   | .500 | .234 | .375 | .250  |
| SPRT-0500-0234-0312 | 1/4   | .500 | .234 | .375 | .312  |
| SPRT-0500-0234-0375 | 1/4   | .500 | .234 | .375 | .375  |
| SPRT-0500-0234-0437 | 1/4   | .500 | .234 | .375 | .437  |
| SPRT-0500-0234-0500 | 1/4   | .500 | .234 | .375 | .500  |
| SPRT-0500-0234-0562 | 1/4   | .500 | .234 | .375 | .562  |
| SPRT-0500-0234-0625 | 1/4   | .500 | .234 | .375 | .625  |
| SPRT-0500-0234-0687 | 1/4   | .500 | .234 | .375 | .687  |
| SPRT-0500-0234-0750 | 1/4   | .500 | .234 | .375 | .750  |
| SPRT-0500-0234-0812 | 1/4   | .500 | .234 | .375 | .812  |
| SPRT-0500-0234-0875 | 1/4   | .500 | .234 | .375 | .875  |
| SPRT-0500-0234-0937 | 1/4   | .500 | .234 | .375 | .937  |
| SPRT-0500-0234-1000 | 1/4   | .500 | .234 | .375 | 1.000 |



## Special Spacers

CH = CHAMFER  
KN = KNURLED  
RA = RADIUS



| Item                  | A    | B    | C     |
|-----------------------|------|------|-------|
| SPS-0150-0100-0375    | .150 | .100 | .375  |
| SPS-0187-0063-0250    | .187 | .063 | .250  |
| SPS-0187-0063-0300    | .187 | .063 | .300  |
| SPS-0187-0115-0156    | .187 | .115 | .156  |
| SPS-0187-0115-0160    | .187 | .115 | .160  |
| SPS-0187-0115-0225    | .187 | .115 | .225  |
| SPS-0187-0120-0315    | .187 | .120 | .315  |
| SPS-0187-0120-0340    | .187 | .120 | .340  |
| SPS-0187-0120-0430    | .187 | .120 | .430  |
| SPS-0187-0140-0187    | .187 | .140 | .187  |
| SPS-0193-0126-0110-RA | .193 | .126 | .110  |
| SPS-0197-0126-0276    | .197 | .126 | .276  |
| SPS-0200-0109-0171    | .200 | .109 | .171  |
| SPS-0200-0145-0171    | .200 | .145 | .171  |
| SPS-0216-0125-0135    | .216 | .125 | .135  |
| SPS-0218-0140-0156    | .218 | .140 | .156  |
| SPS-0236-0169-0153    | .236 | .169 | .153  |
| SPS-0250-0061-0470    | .250 | .061 | .470  |
| SPS-0250-0091-0405    | .250 | .091 | .405  |
| SPS-0250-0098-0405    | .250 | .098 | .405  |
| SPS-0250-0110-0530    | .250 | .110 | .530  |
| SPS-0250-0115-0405    | .250 | .115 | .405  |
| SPS-0250-0115-0155    | .250 | .115 | .155  |
| SPS-0250-0115-0530    | .250 | .115 | .530  |
| SPS-0250-0120-0200    | .250 | .120 | .200  |
| SPS-0250-0125-0162    | .250 | .125 | .162  |
| SPS-0250-0140-0150    | .250 | .140 | .150  |
| SPS-0250-0140-0160    | .250 | .140 | .160  |
| SPS-0250-0140-0405    | .250 | .140 | .405  |
| SPS-0250-0140-0250-KN | .250 | .140 | .250  |
| SPS-0250-0147-0220    | .250 | .147 | .220  |
| SPS-0250-0150-0200    | .250 | .150 | .200  |
| SPS-0250-0150-0250    | .250 | .150 | .250  |
| SPS-0250-0155-0160    | .250 | .155 | .160  |
| SPS-0250-0156-0125    | .250 | .156 | .125  |
| SPS-0250-0156-0187    | .250 | .156 | .187  |
| SPS-0250-0156-0250    | .250 | .156 | .250  |
| SPS-0250-0156-0312    | .250 | .156 | .312  |
| SPS-0250-0156-0375    | .250 | .156 | .375  |
| SPS-0250-0156-0437    | .250 | .156 | .437  |
| SPS-0250-0156-0500    | .250 | .156 | .500  |
| SPS-0250-0156-0562    | .250 | .156 | .562  |
| SPS-0250-0156-0625    | .250 | .156 | .625  |
| SPS-0250-0156-0687    | .250 | .156 | .687  |
| SPS-0250-0156-0750    | .250 | .156 | .750  |
| SPS-0250-0156-0812    | .250 | .156 | .812  |
| SPS-0250-0156-0875    | .250 | .156 | .875  |
| SPS-0250-0156-0937    | .250 | .156 | .937  |
| SPS-0250-0156-1000    | .250 | .156 | 1.000 |
| SPS-0250-0170-1500    | .250 | .170 | 1.500 |

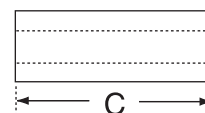
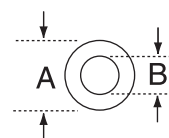
| Item                  | A    | B    | C     |
|-----------------------|------|------|-------|
| SPS-0250-0171-0156    | .250 | .171 | .156  |
| SPS-0250-0171-0405    | .250 | .171 | .405  |
| SPS-0250-0171-0650    | .250 | .171 | .650  |
| SPS-0250-0192-0145    | .250 | .192 | .145  |
| SPS-0280-0125-0296    | .280 | .125 | .296  |
| SPS-0295-0135-0127    | .295 | .135 | .127  |
| SPS-0307-0210-0125    | .307 | .210 | .125  |
| SPS-0310-0126-0410    | .310 | .126 | .410  |
| SPS-0310-0234-0310    | .310 | .234 | .310  |
| SPS-0312-0140-0125    | .312 | .140 | .125  |
| SPS-0312-0187-0187    | .312 | .187 | .187  |
| SPS-0312-0187-0215    | .312 | .187 | .215  |
| SPS-0312-0188-0300    | .312 | .188 | .300  |
| SPS-0312-0198-0125    | .312 | .198 | .125  |
| SPS-0312-0198-0187    | .312 | .198 | .187  |
| SPS-0312-0198-0250    | .312 | .198 | .250  |
| SPS-0312-0198-0312    | .312 | .198 | .312  |
| SPS-0312-0198-0375    | .312 | .198 | .375  |
| SPS-0312-0198-0437    | .312 | .198 | .437  |
| SPS-0312-0198-0500    | .312 | .198 | .500  |
| SPS-0312-0198-0562    | .312 | .198 | .562  |
| SPS-0312-0198-0625    | .312 | .198 | .625  |
| SPS-0312-0198-0687    | .312 | .198 | .687  |
| SPS-0312-0198-0750    | .312 | .198 | .750  |
| SPS-0312-0198-0812    | .312 | .198 | .812  |
| SPS-0312-0198-0875    | .312 | .198 | .875  |
| SPS-0312-0198-0937    | .312 | .198 | .937  |
| SPS-0312-0198-1000    | .312 | .198 | 1.000 |
| SPS-0313-0222-0238    | .313 | .222 | .238  |
| SPS-0325-0217-0135    | .325 | .217 | .135  |
| SPS-0325-0217-0200    | .325 | .217 | .200  |
| SPS-0330-0190-0410    | .330 | .190 | .410  |
| SPS-0354-0137-0374    | .354 | .137 | .374  |
| SPS-0354-0204-0137    | .354 | .204 | .137  |
| SPS-0354-0236-0224    | .354 | .236 | .224  |
| SPS-0370-0194-0245    | .370 | .194 | .245  |
| SPS-0370-0250-0182    | .370 | .250 | .182  |
| SPS-0375-0108-0250-KN | .375 | .108 | .250  |
| SPS-0375-0125-0437    | .375 | .125 | .437  |
| SPS-0375-0171-0125    | .375 | .171 | .125  |
| SPS-0375-0171-0203    | .375 | .171 | .203  |
| SPS-0375-0171-0500    | .375 | .171 | .500  |
| SPS-0375-0171-0575    | .375 | .171 | .575  |
| SPS-0375-0191-0217    | .375 | .191 | .217  |
| SPS-0375-0194-1500    | .375 | .194 | 1.500 |
| SPS-0375-0196-0575    | .375 | .196 | .575  |
| SPS-0375-0219-0250    | .375 | .219 | .250  |
| SPS-0375-0221-0250    | .375 | .221 | .250  |
| SPS-0375-0240-0125    | .375 | .240 | .125  |
| SPS-0375-0240-0187    | .375 | .240 | .187  |

(continued)



## Special Spacers (continued)

CH = CHAMFER  
KN = KNURLED  
RA = RADIUS



| Item                  | A    | B    | C     |
|-----------------------|------|------|-------|
| SPS-0375-0240-0250    | .375 | .240 | .250  |
| SPS-0375-0240-0312    | .375 | .240 | .312  |
| SPS-0375-0240-0375    | .375 | .240 | .375  |
| SPS-0375-0240-0437    | .375 | .240 | .437  |
| SPS-0375-0240-0500    | .375 | .240 | .500  |
| SPS-0375-0240-0562    | .375 | .240 | .562  |
| SPS-0375-0240-0625    | .375 | .240 | .625  |
| SPS-0375-0240-0687    | .375 | .240 | .687  |
| SPS-0375-0240-0750    | .375 | .240 | .750  |
| SPS-0375-0240-0812    | .375 | .240 | .812  |
| SPS-0375-0240-0875    | .375 | .240 | .875  |
| SPS-0375-0240-0937    | .375 | .240 | .937  |
| SPS-0375-0240-1000    | .375 | .240 | 1.000 |
| SPS-0375-0250-0220    | .375 | .250 | .220  |
| SPS-0375-0255-0500    | .375 | .255 | .500  |
| SPS-0375-0257-0125    | .375 | .257 | .125  |
| SPS-0375-0257-0187    | .375 | .257 | .187  |
| SPS-0375-0257-0250    | .375 | .257 | .250  |
| SPS-0375-0257-0312    | .375 | .257 | .312  |
| SPS-0375-0257-0375    | .375 | .257 | .375  |
| SPS-0375-0257-0437    | .375 | .257 | .437  |
| SPS-0375-0257-0500    | .375 | .257 | .500  |
| SPS-0375-0257-0562    | .357 | .257 | .562  |
| SPS-0375-0257-0625    | .357 | .257 | .625  |
| SPS-0375-0257-0687    | .357 | .257 | .687  |
| SPS-0375-0257-0750    | .357 | .257 | .750  |
| SPS-0375-0257-0812    | .357 | .257 | .812  |
| SPS-0375-0257-0875    | .357 | .257 | .875  |
| SPS-0375-0257-0937    | .357 | .257 | .937  |
| SPS-0375-0257-1000    | .375 | .257 | 1.000 |
| SPS-0389-0251-0125    | .389 | .251 | .125  |
| SPS-0389-0251-0132    | .389 | .251 | .132  |
| SPS-0400-0180-0140    | .400 | .180 | .140  |
| SPS-0406-0257-0250    | .406 | .257 | .250  |
| SPS-0406-0257-1000    | .406 | .257 | 1.000 |
| SPS-0430-0230-0130    | .430 | .230 | .130  |
| SPS-0434-0190-0125    | .434 | .190 | .125  |
| SPS-0437-0187-0375    | .437 | .187 | .375  |
| SPS-0437-0200-0318    | .437 | .200 | .318  |
| SPS-0437-0312-0187    | .437 | .312 | .187  |
| SPS-0437-0323-0187    | .437 | .323 | .187  |
| SPS-0443-0253-0125    | .443 | .253 | .125  |
| SPS-0480-0325-0250    | .480 | .325 | .250  |
| SPS-0480-0325-1250    | .480 | .325 | 1.250 |
| SPS-0490-0260-0750    | .490 | .260 | .750  |
| SPS-0495-0318-0869-CH | .495 | .318 | .869  |
| SPS-0500-0145-0669    | .500 | .145 | .669  |
| SPS-0500-0160-0125    | .500 | .160 | .125  |
| SPS-0500-0194-0125    | .500 | .194 | .125  |
| SPS-0500-0194-0312    | .500 | .194 | .312  |

| Item               | A    | B    | C     |
|--------------------|------|------|-------|
| SPS-0500-0203-0130 | .500 | .203 | .130  |
| SPS-0500-0205-0510 | .500 | .205 | .510  |
| SPS-0500-0219-0719 | .500 | .219 | .719  |
| SPS-0500-0250-0472 | .500 | .250 | .472  |
| SPS-0500-0250-1375 | .500 | .250 | 1.375 |
| SPS-0500-0250-1500 | .500 | .250 | 1.500 |
| SPS-0500-0257-0359 | .500 | .257 | .359  |
| SPS-0500-0257-0593 | .500 | .257 | .593  |
| SPS-0500-0277-0125 | .500 | .277 | .125  |
| SPS-0500-0277-0187 | .500 | .277 | .187  |
| SPS-0500-0277-0250 | .500 | .277 | .250  |
| SPS-0500-0277-0312 | .500 | .277 | .312  |
| SPS-0500-0277-0375 | .500 | .277 | .375  |
| SPS-0500-0281-0375 | .500 | .281 | .375  |
| SPS-0500-0277-0437 | .500 | .277 | .437  |
| SPS-0500-0277-0500 | .500 | .277 | .500  |
| SPS-0500-0277-0562 | .500 | .277 | .562  |
| SPS-0500-0277-0625 | .500 | .277 | .625  |
| SPS-0500-0277-0687 | .500 | .277 | .687  |
| SPS-0500-0277-0750 | .500 | .277 | .750  |
| SPS-0500-0277-0812 | .500 | .277 | .812  |
| SPS-0500-0277-0875 | .500 | .277 | .875  |
| SPS-0500-0277-0937 | .500 | .277 | .937  |
| SPS-0500-0277-1000 | .500 | .277 | 1.000 |
| SPS-0500-0280-0250 | .500 | .280 | .250  |
| SPS-0500-0297-0125 | .500 | .297 | .125  |
| SPS-0500-0300-0187 | .500 | .300 | .187  |
| SPS-0500-0312-0156 | .500 | .312 | .156  |
| SPS-0500-0316-0235 | .500 | .316 | .235  |
| SPS-0500-0316-0500 | .500 | .316 | .500  |
| SPS-0500-0317-0125 | .500 | .317 | .125  |
| SPS-0500-0317-0337 | .500 | .317 | .337  |
| SPS-0500-0320-0869 | .500 | .320 | .869  |
| SPS-0500-0375-0125 | .500 | .375 | .125  |
| SPS-0500-0375-0187 | .500 | .375 | .187  |
| SPS-0500-0375-0250 | .500 | .375 | .250  |
| SPS-0500-0375-0312 | .500 | .375 | .312  |
| SPS-0500-0375-0375 | .500 | .375 | .375  |
| SPS-0500-0375-0437 | .500 | .375 | .437  |
| SPS-0500-0375-0500 | .500 | .375 | .500  |
| SPS-0500-0375-0562 | .500 | .375 | .562  |
| SPS-0500-0375-0625 | .500 | .375 | .625  |
| SPS-0500-0375-0687 | .500 | .375 | .687  |
| SPS-0500-0375-0750 | .500 | .375 | .750  |
| SPS-0500-0375-0812 | .500 | .375 | .812  |
| SPS-0500-0375-0875 | .500 | .375 | .875  |
| SPS-0500-0375-0937 | .500 | .375 | .937  |
| SPS-0500-0375-1000 | .500 | .375 | 1.000 |
| SPS-0500-0383-0500 | .500 | .383 | .500  |
| SPS-0500-0385-1000 | .500 | .385 | 1.000 |

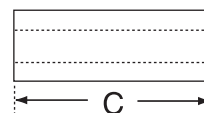
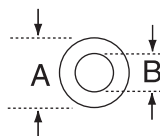
(continued)





## Special Spacers (continued)

CH = CHAMFER  
KN = KNURLED  
RA = RADIUS



| Item                  | A    | B    | C    |
|-----------------------|------|------|------|
| SPS-0501-0377-0750    | .501 | .377 | .750 |
| SPS-0550-0255-0750-CH | .550 | .255 | .750 |
| SPS-0560-0257-0250    | .560 | .257 | .250 |
| SPS-0560-0379-0315    | .560 | .379 | .315 |
| SPS-0560-0379-0375    | .560 | .379 | .375 |
| SPS-0560-0390-0500    | .560 | .390 | .500 |
| SPS-0562-0250-0562    | .562 | .250 | .562 |
| SPS-0562-0252-0750    | .562 | .252 | .750 |
| SPS-0570-0510-0125    | .570 | .510 | .125 |
| SPS-0575-0256-0162    | .575 | .256 | .162 |
| SPS-0580-0375-0380    | .580 | .375 | .380 |
| SPS-0590-0314-0359    | .590 | .314 | .359 |
| SPS-0595-0265-0130    | .595 | .265 | .130 |
| SPS-0604-0434-0129    | .604 | .434 | .129 |
| SPS-0606-0203-0625    | .606 | .203 | .625 |
| SPS-0610-0326-0178    | .610 | .326 | .178 |
| SPS-0615-0340-0125    | .615 | .340 | .125 |
| SPS-0620-0209-0187    | .620 | .209 | .187 |
| SPS-0620-0218-0925    | .620 | .218 | .925 |
| SPS-0620-0350-0188    | .620 | .350 | .188 |
| SPS-0625-0140-0250    | .625 | .140 | .250 |
| SPS-0625-0187-0125    | .625 | .187 | .125 |
| SPS-0625-0192-0250    | .625 | .192 | .250 |
| SPS-0625-0194-0125    | .625 | .194 | .125 |
| SPS-0625-0218-0125    | .625 | .218 | .125 |
| SPS-0625-0218-0250    | .625 | .218 | .250 |
| SPS-0625-0221-0625-CH | .625 | .221 | .625 |
| SPS-0625-0250-0250    | .625 | .250 | .250 |
| SPS-0625-0250-0375    | .625 | .250 | .375 |
| SPS-0625-0250-0640    | .625 | .250 | .640 |
| SPS-0625-0257-0125    | .625 | .257 | .125 |
| SPS-0625-0260-0250    | .625 | .260 | .250 |
| SPS-0625-0270-0218    | .625 | .270 | .218 |
| SPS-0625-0281-0250-CH | .625 | .281 | .250 |
| SPS-0625-0281-0500    | .625 | .281 | .500 |
| SPS-0625-0281-0750    | .625 | .281 | .750 |
| SPS-0625-0281-0812    | .625 | .281 | .812 |
| SPS-0625-0323-0187    | .625 | .323 | .187 |
| SPS-0625-0375-0625    | .625 | .375 | .625 |
| SPS-0625-0380-0125    | .625 | .380 | .125 |
| SPS-0625-0380-0750    | .625 | .380 | .750 |
| SPS-0625-0390-0265    | .625 | .390 | .265 |
| SPS-0625-0390-0500    | .625 | .390 | .500 |
| SPS-0625-0406-0150    | .625 | .406 | .150 |
| SPS-0625-0422-0203    | .625 | .422 | .203 |
| SPS-0625-0425-0875    | .625 | .425 | .875 |
| SPS-0625-0437-0250    | .625 | .437 | .250 |
| SPS-0625-0500-0750    | .625 | .500 | .750 |
| SPS-0630-0375-0187    | .630 | .375 | .187 |
| SPS-0658-0280-0359    | .658 | .280 | .359 |

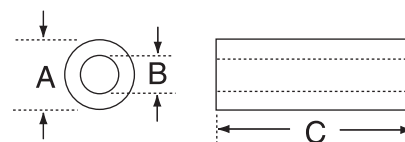
| Item               | A    | B    | C     |
|--------------------|------|------|-------|
| SPS-0686-0513-0250 | .686 | .513 | .25   |
| SPS-0687-0305-0250 | .687 | .305 | .250  |
| SPS-0687-0315-0250 | .687 | .315 | .250  |
| SPS-0687-0500-1375 | .687 | .500 | 1.375 |
| SPS-0688-0188-0500 | .688 | .188 | .500  |
| SPS-0690-0410-0214 | .690 | .410 | .214  |
| SPS-0700-0560-0687 | .700 | .560 | .687  |
| SPS-0709-0327-0787 | .709 | .327 | .787  |
| SPS-0725-0515-0125 | .725 | .515 | .125  |
| SPS-0748-0220-0252 | .748 | .220 | .252  |
| SPS-0748-0220-0625 | .748 | .220 | .625  |
| SPS-0750-0195-0750 | .750 | .195 | .750  |
| SPS-0750-0200-0187 | .750 | .200 | .187  |
| SPS-0750-0250-0250 | .750 | .250 | .250  |
| SPS-0750-0250-0312 | .750 | .250 | .312  |
| SPS-0750-0250-0375 | .750 | .250 | .375  |
| SPS-0750-0250-0500 | .750 | .250 | .500  |
| SPS-0750-0255-0350 | .750 | .255 | .350  |
| SPS-0750-0257-0250 | .750 | .257 | .250  |
| SPS-0750-0257-1000 | .750 | .257 | 1.000 |
| SPS-0750-0258-0438 | .750 | .258 | .438  |
| SPS-0750-0260-0125 | .750 | .260 | .125  |
| SPS-0750-0266-0187 | .750 | .266 | .187  |
| SPS-0750-0310-0390 | .750 | .310 | .390  |
| SPS-0750-0312-0125 | .750 | .312 | .125  |
| SPS-0750-0312-0390 | .750 | .312 | .390  |
| SPS-0750-0314-0313 | .750 | .314 | .313  |
| SPS-0750-0319-0313 | .750 | .319 | .313  |
| SPS-0750-0323-0125 | .750 | .323 | .125  |
| SPS-0750-0323-0250 | .750 | .323 | .250  |
| SPS-0750-0344-0500 | .750 | .344 | .500  |
| SPS-0750-0350-0685 | .750 | .350 | .685  |
| SPS-0750-0380-0187 | .750 | .380 | .187  |
| SPS-0750-0380-0250 | .750 | .380 | .250  |
| SPS-0750-0383-0437 | .750 | .383 | .437  |
| SPS-0750-0384-1336 | .750 | .384 | 1.336 |
| SPS-0750-0385-0203 | .750 | .385 | .203  |
| SPS-0750-0390-0140 | .750 | .390 | .140  |
| SPS-0750-0394-0125 | .750 | .394 | .125  |
| SPS-0750-0403-0312 | .750 | .403 | .312  |
| SPS-0750-0406-0200 | .750 | .406 | .200  |
| SPS-0750-0406-0250 | .750 | .406 | .250  |
| SPS-0750-0443-0125 | .750 | .443 | .125  |
| SPS-0750-0460-0250 | .750 | .460 | .250  |
| SPS-0750-0490-0375 | .750 | .490 | .375  |
| SPS-0750-0500-0375 | .750 | .500 | .375  |
| SPS-0750-0505-0125 | .750 | .505 | .125  |
| SPS-0750-0510-0188 | .750 | .510 | .188  |
| SPS-0755-0500-0312 | .755 | .500 | .312  |
| SPS-0765-0250-0125 | .765 | .250 | .125  |

(continued)



## Special Spacers (continued)

CH = CHAMFER  
KN = KNURLED  
RA = RADIUS

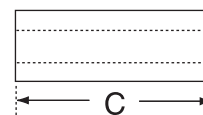
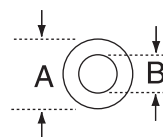


| Item               | A     | B    | C    | Item               | A     | B      | C     |
|--------------------|-------|------|------|--------------------|-------|--------|-------|
| SPS-0770-0339-0320 | .770  | .339 | .320 | SPS-1000-0560-0560 | 1.000 | .560   | .560  |
| SPS-0775-0515-0250 | .775  | .515 | .250 | SPS-1000-0562-0125 | 1.000 | .562   | .125  |
| SPS-0799-0570-0135 | .799  | .570 | .135 | SPS-1000-0562-0910 | 1.000 | .562   | .910  |
| SPS-0812-0406-0125 | .812  | .406 | .125 | SPS-1000-0563-0250 | 1.000 | .563   | .250  |
| SPS-0865-0344-0187 | .865  | .344 | .187 | SPS-1000-0625-0130 | 1.000 | .625   | .130  |
| SPS-0865-0688-0155 | .865  | .688 | .155 | SPS-1000-0625-0156 | 1.000 | .625   | .156  |
| SPS-0870-0312-0125 | .870  | .312 | .125 | SPS-1000-0632-0185 | 1.000 | .632   | .185  |
| SPS-0875-0188-0188 | .875  | .188 | .188 | SPS-1000-0670-0156 | 1.000 | .670   | .156  |
| SPS-0875-0312-0187 | .875  | .312 | .187 | SPS-1000-0687-0750 | 1.000 | .687   | .750  |
| SPS-0875-0375-0375 | .875  | .375 | .375 | SPS-1000-0755-0203 | 1.000 | .755   | .203  |
| SPS-0875-0500-0125 | .875  | .500 | .125 | SPS-1000-0755-0250 | 1.000 | .755   | .250  |
| SPS-0875-0515-0710 | .875  | .515 | .710 | SPS-1005-0897-1250 | 1.005 | .897   | 1.250 |
| SPS-0875-0750-0500 | .875  | .750 | .500 | SPS-1008-0755-0137 | 1.008 | .755   | .137  |
| SPS-0880-0317-0125 | .880  | .317 | .125 | SPS-1057-0812-0125 | 1.057 | .812   | .125  |
| SPS-0880-0631-0258 | .880  | .631 | .258 | SPS-1062-0750-0250 | 1.062 | .750   | .250  |
| SPS-0984-0406-0125 | .984  | .406 | .125 | SPS-1062-0750-0437 | 1.062 | .750   | .437  |
| SPS-0986-0375-0250 | .986  | .375 | .250 | SPS-1100-0380-0217 | 1.100 | .380   | .217  |
| SPS-1000-0187-0250 | 1.000 | .187 | .250 | SPS-1120-0505-0250 | 1.120 | .505   | .250  |
| SPS-1000-0225-0500 | 1.000 | .225 | .500 | SPS-1125-0629-0128 | 1.125 | .629   | .128  |
| SPS-1000-0320-0375 | 1.000 | .320 | .375 | SPS-1126-0340-0250 | 1.126 | .340   | .250  |
| SPS-1000-0343-0125 | 1.000 | .343 | .125 | SPS-1240-0312-0250 | 1.240 | .312   | .250  |
| SPS-1000-0343-0312 | 1.000 | .343 | .312 | SPS-1250-0875-0125 | 1.250 | .875   | .125  |
| SPS-1000-0344-0187 | 1.000 | .344 | .187 | SPS-1312-1000-0125 | 1.312 | 1.000  | .125  |
| SPS-1000-0375-0250 | 1.000 | .375 | .250 | SPS-1375-0375-0575 | 1.375 | .375   | .575  |
| SPS-1000-0375-0375 | 1.000 | .375 | .375 | SPS-1375-0525-0125 | 1.375 | .525   | .125  |
| SPS-1000-0375-0500 | 1.000 | .375 | .500 | SPS-1457-0669-0315 | 1.457 | .669   | .315  |
| SPS-1000-0375-0625 | 1.000 | .375 | .625 | SPS-1500-0500-0125 | 1.500 | .500   | .125  |
| SPS-1000-0406-0250 | 1.000 | .406 | .250 | SPS-1500-0506-0150 | 1.500 | .506   | .150  |
| SPS-1000-0437-0250 | 1.000 | .437 | .250 | SPS-1500-0605-0220 | 1.500 | .605   | .220  |
| SPS-1000-0437-0875 | 1.000 | .437 | .875 | SPS-1500-1000-0500 | 1.500 | 1.000  | .500  |
| SPS-1000-0450-0125 | 1.000 | .450 | .125 | SPS-0026           | 1 1/2 | 1 5/32 | 3/8   |
| SPS-1000-0505-0125 | 1.000 | .505 | .125 | SPS-1740-1500-0725 | 1.740 | 1.500  | .725  |
| SPS-1000-0505-0250 | 1.000 | .505 | .250 | SPS-1850-1028-0120 | 1.850 | 1.028  | .120  |
| SPS-1000-0515-0350 | 1.000 | .515 | .350 | SPS-2000-0750-0125 | 2.000 | .750   | .125  |
| SPS-1000-0515-0750 | 1.000 | .515 | .750 | SPS-2209-1375-0125 | 2.209 | 1.375  | .125  |



# Spacers

## Standard Spacers



| Item    | A    | B    | C     | Screw |
|---------|------|------|-------|-------|
| SP-0001 | 3/16 | .091 | 1/8   | 2     |
| SP-0002 | 3/16 | .115 | 1/8   | 4     |
| SP-0003 | 3/16 | .091 | 3/16  | 2     |
| SP-0004 | 3/16 | .115 | 3/16  | 4     |
| SP-0005 | 3/16 | .091 | 1/4   | 2     |
| SP-0006 | 3/16 | .115 | 1/4   | 4     |
| SP-0007 | 3/16 | .091 | 5/16  | 2     |
| SP-0008 | 3/16 | .115 | 5/16  | 4     |
| SP-0009 | 3/16 | .091 | 3/8   | 2     |
| SP-0010 | 3/16 | .115 | 3/8   | 4     |
| SP-0011 | 3/16 | .091 | 7/16  | 2     |
| SP-0012 | 3/16 | .115 | 7/16  | 4     |
| SP-0013 | 3/16 | .091 | 1/2   | 2     |
| SP-0014 | 3/16 | .115 | 1/2   | 4     |
| SP-0015 | 3/16 | .091 | 9/16  | 2     |
| SP-0016 | 3/16 | .115 | 9/16  | 4     |
| SP-0017 | 3/16 | .091 | 5/8   | 2     |
| SP-0018 | 3/16 | .115 | 5/8   | 4     |
| SP-0019 | 3/16 | .091 | 11/16 | 2     |
| SP-0020 | 3/16 | .115 | 11/16 | 4     |
| SP-0021 | 3/16 | .091 | 3/4   | 2     |
| SP-0022 | 3/16 | .115 | 3/4   | 4     |
| SP-0023 | 3/16 | .091 | 13/16 | 2     |
| SP-0024 | 3/16 | .115 | 13/16 | 4     |
| SP-0025 | 3/16 | .091 | 7/8   | 2     |
| SP-0026 | 3/16 | .115 | 7/8   | 4     |
| SP-0027 | 3/16 | .091 | 15/16 | 2     |
| SP-0028 | 3/16 | .115 | 15/16 | 4     |
| SP-0029 | 3/16 | .091 | 1     | 2     |
| SP-0030 | 3/16 | .115 | 1     | 4     |
| SP-0031 | 1/4  | .091 | 1/8   | 2     |
| SP-0032 | 1/4  | .115 | 1/8   | 4     |
| SP-0033 | 1/4  | .140 | 1/8   | 6     |
| SP-0034 | 1/4  | .171 | 1/8   | 8     |
| SP-0035 | 1/4  | .091 | 3/16  | 2     |
| SP-0036 | 1/4  | .115 | 3/16  | 4     |
| SP-0037 | 1/4  | .140 | 3/16  | 6     |
| SP-0038 | 1/4  | .171 | 3/16  | 8     |
| SP-0039 | 1/4  | .091 | 1/4   | 2     |
| SP-0040 | 1/4  | .115 | 1/4   | 4     |
| SP-0041 | 1/4  | .140 | 1/4   | 6     |
| SP-0042 | 1/4  | .171 | 1/4   | 8     |
| SP-0043 | 1/4  | .091 | 5/16  | 2     |
| SP-0044 | 1/4  | .115 | 5/16  | 4     |
| SP-0045 | 1/4  | .140 | 5/16  | 6     |
| SP-0046 | 1/4  | .171 | 5/16  | 8     |
| SP-0047 | 1/4  | .091 | 3/8   | 2     |
| SP-0048 | 1/4  | .115 | 3/8   | 4     |
| SP-0049 | 1/4  | .140 | 3/8   | 6     |

| Item      | A   | B    | C     | Screw |
|-----------|-----|------|-------|-------|
| SP-0050   | 1/4 | .171 | 3/8   | 8     |
| SP-0051   | 1/4 | .091 | 7/16  | 2     |
| SP-0052   | 1/4 | .115 | 7/16  | 4     |
| SP-0053   | 1/4 | .140 | 7/16  | 6     |
| SP-0054   | 1/4 | .171 | 7/16  | 8     |
| SP-0055   | 1/4 | .091 | 1/2   | 2     |
| SP-0055.1 | 1/4 | .098 | 1/2   | 2     |
| SP-0056   | 1/4 | .115 | 1/2   | 4     |
| SP-0057   | 1/4 | .140 | 1/2   | 6     |
| SP-0058   | 1/4 | .171 | 1/2   | 8     |
| SP-0059   | 1/4 | .091 | 9/16  | 2     |
| SP-0059.1 | 1/4 | .098 | 9/16  | 2     |
| SP-0060   | 1/4 | .115 | 9/16  | 4     |
| SP-0061   | 1/4 | .140 | 9/16  | 6     |
| SP-0062   | 1/4 | .171 | 9/16  | 8     |
| SP-0063   | 1/4 | .091 | 5/8   | 2     |
| SP-0063.1 | 1/4 | .098 | 5/8   | 2     |
| SP-0064   | 1/4 | .115 | 5/8   | 4     |
| SP-0065   | 1/4 | .140 | 5/8   | 6     |
| SP-0066   | 1/4 | .171 | 5/8   | 8     |
| SP-0067   | 1/4 | .091 | 11/16 | 2     |
| SP-0067.1 | 1/4 | .098 | 11/16 | 2     |
| SP-0068   | 1/4 | .115 | 11/16 | 4     |
| SP-0069   | 1/4 | .140 | 11/16 | 6     |
| SP-0070   | 1/4 | .171 | 11/16 | 8     |
| SP-0071   | 1/4 | .091 | 3/4   | 2     |
| SP-0071.1 | 1/4 | .098 | 3/4   | 2     |
| SP-0072   | 1/4 | .115 | 3/4   | 4     |
| SP-0073   | 1/4 | .140 | 3/4   | 6     |
| SP-0074   | 1/4 | .171 | 3/4   | 8     |
| SP-0075   | 1/4 | .091 | 13/16 | 2     |
| SP-0075.1 | 1/4 | .098 | 13/16 | 2     |
| SP-0076   | 1/4 | .115 | 13/16 | 4     |
| SP-0077   | 1/4 | .140 | 13/16 | 6     |
| SP-0078   | 1/4 | .171 | 13/16 | 8     |
| SP-0079   | 1/4 | .091 | 7/8   | 2     |
| SP-0079.1 | 1/4 | .098 | 7/8   | 2     |
| SP-0080   | 1/4 | .115 | 7/8   | 4     |
| SP-0081   | 1/4 | .140 | 7/8   | 6     |
| SP-0082   | 1/4 | .171 | 7/8   | 8     |
| SP-0083   | 1/4 | .091 | 15/16 | 2     |
| SP-0083.1 | 1/4 | .098 | 15/16 | 2     |
| SP-0084   | 1/4 | .115 | 15/16 | 4     |
| SP-0085   | 1/4 | .140 | 15/16 | 6     |
| SP-0086   | 1/4 | .171 | 15/16 | 8     |
| SP-0087   | 1/4 | .091 | 1     | 2     |
| SP-0087.1 | 1/4 | .098 | 1     | 2     |
| SP-0088   | 1/4 | .115 | 1     | 4     |
| SP-0089   | 1/4 | .140 | 1     | 6     |

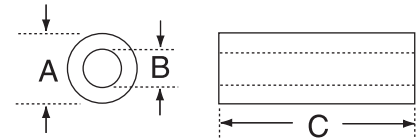
NOTE: CAN BE MADE IN INCREMENTS OF .001

(continued)



# Spacers

## Standard Spacers (continued)



| Item    | A    | B    | C     | Screw |
|---------|------|------|-------|-------|
| SP-0090 | 1/4  | .171 | 1     | 8     |
| SP-0091 | 5/16 | .115 | 1/8   | 4     |
| SP-0092 | 5/16 | .140 | 1/8   | 6     |
| SP-0093 | 5/16 | .171 | 1/8   | 8     |
| SP-0094 | 5/16 | .194 | 1/8   | 10    |
| SP-0095 | 5/16 | .115 | 3/16  | 4     |
| SP-0096 | 5/16 | .140 | 3/16  | 6     |
| SP-0097 | 5/16 | .171 | 3/16  | 8     |
| SP-0098 | 5/16 | .194 | 3/16  | 10    |
| SP-0099 | 5/16 | .115 | 1/4   | 4     |
| SP-0100 | 5/16 | .140 | 1/4   | 6     |
| SP-0101 | 5/16 | .171 | 1/4   | 8     |
| SP-0102 | 5/16 | .194 | 1/4   | 10    |
| SP-0103 | 5/16 | .115 | 5/16  | 4     |
| SP-0104 | 5/16 | .140 | 5/16  | 6     |
| SP-0105 | 5/16 | .171 | 5/16  | 8     |
| SP-0106 | 5/16 | .194 | 5/16  | 10    |
| SP-0107 | 5/16 | .115 | 3/8   | 4     |
| SP-0108 | 5/16 | .140 | 3/8   | 6     |
| SP-0109 | 5/16 | .171 | 3/8   | 8     |
| SP-0110 | 5/16 | .194 | 3/8   | 10    |
| SP-0111 | 5/16 | .115 | 7/16  | 4     |
| SP-0112 | 5/16 | .140 | 7/16  | 6     |
| SP-0113 | 5/16 | .171 | 7/16  | 8     |
| SP-0114 | 5/16 | .194 | 7/16  | 10    |
| SP-0115 | 5/16 | .115 | 1/2   | 4     |
| SP-0116 | 5/16 | .140 | 1/2   | 6     |
| SP-0117 | 5/16 | .171 | 1/2   | 8     |
| SP-0118 | 5/16 | .194 | 1/2   | 10    |
| SP-0119 | 5/16 | .115 | 9/16  | 4     |
| SP-0120 | 5/16 | .140 | 9/16  | 6     |
| SP-0121 | 5/16 | .171 | 9/16  | 8     |
| SP-0122 | 5/16 | .194 | 9/16  | 10    |
| SP-0123 | 5/16 | .115 | 5/8   | 4     |
| SP-0124 | 5/16 | .140 | 5/8   | 6     |
| SP-0125 | 5/16 | .171 | 5/8   | 8     |
| SP-0126 | 5/16 | .194 | 5/8   | 10    |
| SP-0127 | 5/16 | .115 | 11/16 | 4     |
| SP-0128 | 5/16 | .140 | 11/16 | 6     |
| SP-0129 | 5/16 | .171 | 11/16 | 8     |
| SP-0130 | 5/16 | .194 | 11/16 | 10    |
| SP-0131 | 5/16 | .115 | 3/4   | 4     |
| SP-0132 | 5/16 | .140 | 3/4   | 6     |
| SP-0133 | 5/16 | .171 | 3/4   | 8     |
| SP-0134 | 5/16 | .194 | 3/4   | 10    |
| SP-0135 | 5/16 | .115 | 13/16 | 4     |
| SP-0136 | 5/16 | .140 | 13/16 | 6     |
| SP-0137 | 5/16 | .171 | 13/16 | 8     |
| SP-0138 | 5/16 | .194 | 13/16 | 10    |

| Item    | A    | B    | C     | Screw |
|---------|------|------|-------|-------|
| SP-0139 | 5/16 | .115 | 7/8   | 4     |
| SP-0140 | 5/16 | .140 | 7/8   | 6     |
| SP-0141 | 5/16 | .171 | 7/8   | 8     |
| SP-0142 | 5/16 | .194 | 7/8   | 10    |
| SP-0143 | 5/16 | .115 | 15/16 | 4     |
| SP-0144 | 5/16 | .140 | 15/16 | 6     |
| SP-0145 | 5/16 | .171 | 15/16 | 8     |
| SP-0146 | 5/16 | .194 | 15/16 | 10    |
| SP-0147 | 5/16 | .115 | 1     | 4     |
| SP-0148 | 5/16 | .140 | 1     | 6     |
| SP-0149 | 5/16 | .171 | 1     | 8     |
| SP-0150 | 5/16 | .194 | 1     | 10    |
| SP-0158 | 3/8  | .140 | 1/8   | 6     |
| SP-0159 | 3/8  | .171 | 1/8   | 8     |
| SP-0160 | 3/8  | .194 | 1/8   | 10    |
| SP-0161 | 3/8  | .140 | 3/16  | 6     |
| SP-0162 | 3/8  | .171 | 3/16  | 8     |
| SP-0163 | 3/8  | .194 | 3/16  | 10    |
| SP-0164 | 3/8  | .140 | 1/4   | 6     |
| SP-0165 | 3/8  | .171 | 1/4   | 8     |
| SP-0166 | 3/8  | .194 | 1/4   | 10    |
| SP-0167 | 3/8  | .140 | 5/16  | 6     |
| SP-0168 | 3/8  | .171 | 5/16  | 8     |
| SP-0169 | 3/8  | .194 | 5/16  | 10    |
| SP-0170 | 3/8  | .140 | 3/8   | 6     |
| SP-0171 | 3/8  | .171 | 3/8   | 8     |
| SP-0172 | 3/8  | .194 | 3/8   | 10    |
| SP-0173 | 3/8  | .140 | 7/16  | 6     |
| SP-0174 | 3/8  | .171 | 7/16  | 8     |
| SP-0175 | 3/8  | .194 | 7/16  | 10    |
| SP-0176 | 3/8  | .140 | 1/2   | 6     |
| SP-0177 | 3/8  | .171 | 1/2   | 8     |
| SP-0178 | 3/8  | .194 | 1/2   | 10    |
| SP-0179 | 3/8  | .140 | 9/16  | 6     |
| SP-0180 | 3/8  | .171 | 9/16  | 8     |
| SP-0181 | 3/8  | .194 | 9/16  | 10    |
| SP-0182 | 3/8  | .140 | 5/8   | 6     |
| SP-0183 | 3/8  | .171 | 5/8   | 8     |
| SP-0184 | 3/8  | .194 | 5/8   | 10    |
| SP-0185 | 3/8  | .140 | 11/16 | 6     |
| SP-0186 | 3/8  | .171 | 11/16 | 8     |
| SP-0187 | 3/8  | .194 | 11/16 | 10    |
| SP-0188 | 3/8  | .140 | 3/4   | 6     |
| SP-0189 | 3/8  | .171 | 3/4   | 8     |
| SP-0190 | 3/8  | .194 | 3/4   | 10    |
| SP-0191 | 3/8  | .140 | 13/16 | 6     |
| SP-0192 | 3/8  | .171 | 13/16 | 8     |
| SP-0193 | 3/8  | .194 | 13/16 | 10    |
| SP-0194 | 3/8  | .140 | 7/8   | 6     |

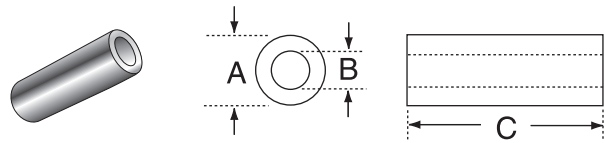
NOTE: CAN BE MADE IN INCREMENTS OF .001

(continued)



Monday - Friday 7:00 A.M. - 5:00 P.M. Central Standard Time

## Standard Spacers (continued)

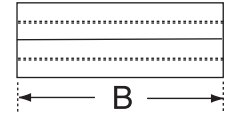
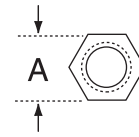
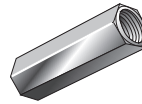


| Item    | A   | B    | C     | Screw |
|---------|-----|------|-------|-------|
| SP-0195 | 3/8 | .171 | 7/8   | 8     |
| SP-0196 | 3/8 | .194 | 7/8   | 10    |
| SP-0197 | 3/8 | .140 | 15/16 | 6     |
| SP-0198 | 3/8 | .171 | 15/16 | 8     |
| SP-0199 | 3/8 | .194 | 15/16 | 10    |
| SP-0200 | 3/8 | .140 | 1     | 6     |
| SP-0201 | 3/8 | .171 | 1     | 8     |
| SP-0202 | 3/8 | .194 | 1     | 10    |
| SP-0203 | 1/2 | .140 | 1/8   | 6     |
| SP-0204 | 1/2 | .171 | 1/8   | 8     |
| SP-0205 | 1/2 | .194 | 1/8   | 10    |
| SP-0206 | 1/2 | .219 | 1/8   | 12    |
| SP-0207 | 1/2 | .257 | 1/8   | 1/4   |
| SP-0208 | 1/2 | .140 | 3/16  | 6     |
| SP-0209 | 1/2 | .171 | 3/16  | 8     |
| SP-0210 | 1/2 | .194 | 3/16  | 10    |
| SP-0211 | 1/2 | .219 | 3/16  | 12    |
| SP-0212 | 1/2 | .257 | 3/16  | 1/4   |
| SP-0213 | 1/2 | .140 | 1/4   | 6     |
| SP-0214 | 1/2 | .171 | 1/4   | 8     |
| SP-0215 | 1/2 | .194 | 1/4   | 10    |
| SP-0216 | 1/2 | .219 | 1/4   | 12    |
| SP-0217 | 1/2 | .257 | 1/4   | 1/4   |
| SP-0218 | 1/2 | .140 | 5/16  | 6     |
| SP-0219 | 1/2 | .171 | 5/16  | 8     |
| SP-0220 | 1/2 | .194 | 5/16  | 10    |
| SP-0221 | 1/2 | .219 | 5/16  | 12    |
| SP-0222 | 1/2 | .257 | 5/16  | 1/4   |
| SP-0223 | 1/2 | .140 | 3/8   | 6     |
| SP-0224 | 1/2 | .171 | 3/8   | 8     |
| SP-0225 | 1/2 | .194 | 3/8   | 10    |
| SP-0226 | 1/2 | .219 | 3/8   | 12    |
| SP-0227 | 1/2 | .257 | 3/8   | 1/4   |
| SP-0228 | 1/2 | .140 | 7/16  | 6     |
| SP-0229 | 1/2 | .171 | 7/16  | 8     |
| SP-0230 | 1/2 | .194 | 7/16  | 10    |
| SP-0231 | 1/2 | .219 | 7/16  | 12    |
| SP-0232 | 1/2 | .257 | 7/16  | 1/4   |
| SP-0233 | 1/2 | .140 | 1/2   | 6     |
| SP-0234 | 1/2 | .171 | 1/2   | 8     |
| SP-0235 | 1/2 | .194 | 1/2   | 10    |
| SP-0236 | 1/2 | .219 | 1/2   | 12    |

| Item    | A   | B    | C     | Screw |
|---------|-----|------|-------|-------|
| SP-0237 | 1/2 | .257 | 1/2   | 1/4   |
| SP-0238 | 1/2 | .140 | 9/16  | 6     |
| SP-0239 | 1/2 | .171 | 9/16  | 8     |
| SP-0240 | 1/2 | .194 | 9/16  | 10    |
| SP-0241 | 1/2 | .219 | 9/16  | 12    |
| SP-0242 | 1/2 | .257 | 9/16  | 1/4   |
| SP-0243 | 1/2 | .140 | 5/8   | 6     |
| SP-0244 | 1/2 | .171 | 5/8   | 8     |
| SP-0245 | 1/2 | .194 | 5/8   | 10    |
| SP-0246 | 1/2 | .219 | 5/8   | 12    |
| SP-0247 | 1/2 | .257 | 5/8   | 1/4   |
| SP-0248 | 1/2 | .140 | 11/16 | 6     |
| SP-0249 | 1/2 | .171 | 11/16 | 8     |
| SP-0250 | 1/2 | .194 | 11/16 | 10    |
| SP-0251 | 1/2 | .219 | 11/16 | 12    |
| SP-0252 | 1/2 | .257 | 11/16 | 1/4   |
| SP-0253 | 1/2 | .140 | 3/4   | 6     |
| SP-0254 | 1/2 | .171 | 3/4   | 8     |
| SP-0255 | 1/2 | .194 | 3/4   | 10    |
| SP-0256 | 1/2 | .219 | 3/4   | 12    |
| SP-0257 | 1/2 | .257 | 3/4   | 1/4   |
| SP-0258 | 1/2 | .140 | 13/16 | 6     |
| SP-0259 | 1/2 | .171 | 13/16 | 8     |
| SP-0260 | 1/2 | .194 | 13/16 | 10    |
| SP-0261 | 1/2 | .219 | 13/16 | 12    |
| SP-0262 | 1/2 | .257 | 13/16 | 1/4   |
| SP-0263 | 1/2 | .140 | 7/8   | 6     |
| SP-0264 | 1/2 | .171 | 7/8   | 8     |
| SP-0265 | 1/2 | .194 | 7/8   | 10    |
| SP-0266 | 1/2 | .219 | 7/8   | 12    |
| SP-0267 | 1/2 | .257 | 7/8   | 1/4   |
| SP-0268 | 1/2 | .140 | 15/16 | 6     |
| SP-0269 | 1/2 | .171 | 15/16 | 8     |
| SP-0270 | 1/2 | .194 | 15/16 | 10    |
| SP-0271 | 1/2 | .219 | 15/16 | 12    |
| SP-0272 | 1/2 | .257 | 15/16 | 1/4   |
| SP-0273 | 1/2 | .140 | 1     | 6     |
| SP-0274 | 1/2 | .171 | 1     | 8     |
| SP-0275 | 1/2 | .194 | 1     | 10    |
| SP-0276 | 1/2 | .219 | 1     | 12    |
| SP-0277 | 1/2 | .257 | 1     | 1/4   |

NOTE: CAN BE MADE IN INCREMENTS OF .001

## Tapped Hex Spacers



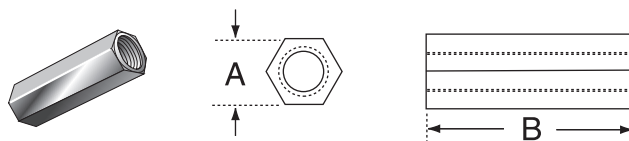
| Item          | A    | B     | TAPPED |
|---------------|------|-------|--------|
| SPHT-2596-256 | 3/16 | 1/8   | 2-56   |
| SPHT-0001-440 | 3/16 | 1/8   | 4-40   |
| SPHT-0002-632 | 3/16 | 1/8   | 6-32   |
| SPHT-2595-256 | 3/16 | 3/16  | 2-56   |
| SPHT-0003-440 | 3/16 | 3/16  | 4-40   |
| SPHT-0004-632 | 3/16 | 3-16  | 6-32   |
| SPHT-2594-256 | 3-16 | 1/4   | 2-56   |
| SPHT-0005-440 | 3/16 | 1/4   | 4-40   |
| SPHT-0006-632 | 3/16 | 1/4   | 6-32   |
| SPHT-2596-256 | 3/16 | 5/16  | 2-56   |
| SPHT-0007-440 | 3/16 | 5/16  | 4-40   |
| SPHT-0008-632 | 3/16 | 5/16  | 6-62   |
| SPHT-2592-256 | 3/16 | 3/8   | 2-56   |
| SPHT-0009-440 | 3/16 | 3/8   | 4-40   |
| SPHT-0010-632 | 3/16 | 3/8   | 6-32   |
| SPHT-2591-256 | 3/16 | 7/16  | 2-56   |
| SPHT-0011-440 | 3/16 | 7/16  | 4-40   |
| SPHT-0012-632 | 3/16 | 7/16  | 6-32   |
| SPHT-2590-256 | 3/16 | 1/2   | 2-56   |
| SPHT-0013-440 | 3/16 | 1/2   | 4-40   |
| SPHT-0014-632 | 3/16 | 1/2   | 6-32   |
| SPHT-2589-256 | 3/16 | 9/16  | 2-56   |
| SPHT-0015-440 | 3/16 | 9/16  | 4-40   |
| SPHT-0016-632 | 3/16 | 9/16  | 6-32   |
| SPHT-2588-256 | 3/16 | 5/8   | 2-56   |
| SPHT-0017-440 | 3/16 | 5/8   | 4-40   |
| SPHT-0018-632 | 3/16 | 5/8   | 6-32   |
| SPHT-2587-256 | 3/16 | 11/16 | 2-56   |
| SPHT-0019-440 | 3/16 | 11/16 | 4-40   |
| SPHT-0020-632 | 3/16 | 11/16 | 6-32   |
| SPHT-2586-256 | 3/16 | 3/4   | 2-56   |
| SPHT-0021-440 | 3/16 | 3/4   | 4-40   |
| SPHT-0022-632 | 3/16 | 3/4   | 6-32   |
| SPHT-2585-256 | 3/16 | 13/16 | 2-56   |
| SPHT-0023-440 | 3/16 | 13/16 | 4-40   |
| SPHT-0024-632 | 3/16 | 13/16 | 6-32   |
| SPHT-2584-256 | 3/16 | 7/8   | 2-56   |
| SPHT-0025-440 | 3/16 | 7/8   | 4-40   |
| SPHT-0026-632 | 3/16 | 7/8   | 6-32   |
| SPHT-2583-256 | 3/16 | 15/16 | 2-56   |
| SPHT-0027-440 | 3/16 | 15/16 | 4-40   |
| SPHT-0028-632 | 3/16 | 15/16 | 6-32   |
| SPHT-2582-256 | 3/16 | 1     | 2-56   |
| SPHT-0029-440 | 3/16 | 1     | 4-40   |
| SPHT-0030-632 | 3/16 | 1     | 6-32   |

| Item           | A   | B     | TAPPED |
|----------------|-----|-------|--------|
| SPHT-0035-440  | 1/4 | 3/16  | 4-40   |
| SPHT-0036-632  | 1/4 | 3/16  | 6-32   |
| SPHT-0037-832  | 1/4 | 3/16  | 8-32   |
| SPHT-0038-1024 | 1/4 | 3/16  | 10-24  |
| SPHT-0038-1032 | 1/4 | 3/16  | 10-32  |
| SPHT-0039-440  | 1/4 | 1/4   | 4-40   |
| SPHT-0040-632  | 1/4 | 1/4   | 6-32   |
| SPHT-0041-832  | 1/4 | 1/4   | 8-32   |
| SPHT-0042-1024 | 1/4 | 1/4   | 10-24  |
| SPHT-0042-1032 | 1/4 | 1/4   | 10-32  |
| SPHT-0043-440  | 1/4 | 5/16  | 4-40   |
| SPHT-0043-540  | 1/4 | 5/16  | 5-40   |
| SPHT-0044-632  | 1/4 | 5/16  | 6-32   |
| SPHT-0045-832  | 1/4 | 5/16  | 8-32   |
| SPHT-0046-1024 | 1/4 | 5/16  | 10-24  |
| SPHT-0046-1032 | 1/4 | 5/16  | 10-32  |
| SPHT-0047-440  | 1/4 | 3/8   | 4-40   |
| SPHT-0048-632  | 1/4 | 3/8   | 6-32   |
| SPHT-0049-832  | 1/4 | 3/8   | 8-32   |
| SPHT-0050-1024 | 1/4 | 3/8   | 10-24  |
| SPHT-0050-1032 | 1/4 | 3/8   | 10-32  |
| SPHT-0051-440  | 1/4 | 7/16  | 4-40   |
| SPHT-0052-632  | 1/4 | 7/16  | 6-32   |
| SPHT-0053-832  | 1/4 | 7/16  | 8-32   |
| SPHT-0054-1024 | 1/4 | 7/16  | 10-24  |
| SPHT-0054-1032 | 1/4 | 7/16  | 10-32  |
| SPHT-0055-440  | 1/4 | 1/2   | 4-40   |
| SPHT-0056-632  | 1/4 | 1/2   | 6-32   |
| SPHT-0057-832  | 1/4 | 1/2   | 8-32   |
| SPHT-0058-1024 | 1/4 | 1/2   | 10-24  |
| SPHT-0058-1032 | 1/4 | 1/2   | 10-32  |
| SPHT-0059-440  | 1/4 | 9/16  | 4-40   |
| SPHT-0060-632  | 1/4 | 9/16  | 6-32   |
| SPHT-0061-832  | 1/4 | 9/16  | 8-32   |
| SPHT-0062-1024 | 1/4 | 9/16  | 10-24  |
| SPHT-0062-1032 | 1/4 | 9/16  | 10-32  |
| SPHT-0063-440  | 1/4 | 5/8   | 4-40   |
| SPHT-0064-632  | 1/4 | 5/8   | 6-32   |
| SPHT-0065-832  | 1/4 | 5/8   | 8-32   |
| SPHT-0066-1024 | 1/4 | 5/8   | 10-24  |
| SPHT-0066-1032 | 1/4 | 5/8   | 10-32  |
| SPHT-0067-440  | 1/4 | 11/16 | 4-40   |
| SPHT-0068-632  | 1/4 | 11/16 | 6-32   |
| SPHT-0069-832  | 1/4 | 11/16 | 8-32   |
| SPHT-0070-1024 | 1/4 | 11/16 | 10-24  |

(continued)



## Tapped Hex Spacers (continued)

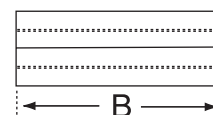
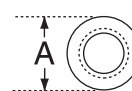


| Item           | A   | B     | TAPPED |
|----------------|-----|-------|--------|
| SPHT-0070-1032 | 1/4 | 11/16 | 10-32  |
| SPHT-0071-440  | 1/4 | 3/4   | 4-40   |
| SPHT-0072-632  | 1/4 | 3/4   | 6-32   |
| SPHT-0073-832  | 1/4 | 3/4   | 8-32   |
| SPHT-0074-1024 | 1/4 | 3/4   | 10-24  |
| SPHT-0074-1032 | 1/4 | 3/4   | 10-32  |
| SPHT-1356-440  | 1/4 | .800  | 4-40   |
| SPHT-0075-440  | 1/4 | 13/16 | 4-40   |
| SPHT-0076-632  | 1/4 | 13/16 | 6-32   |
| SPHT-0077-832  | 1/4 | 13/16 | 8-32   |
| SPHT-0078-1024 | 1/4 | 13/16 | 10-24  |
| SPHT-0078-1032 | 1/4 | 13/16 | 10-32  |
| SPHT-0079-440  | 1/4 | 7/8   | 4-40   |
| SPHT-0080-632  | 1/4 | 7/8   | 6-32   |

| Item           | A    | B     | TAPPED |
|----------------|------|-------|--------|
| SPHT-0081-832  | 1/4  | 7/8   | 8-32   |
| SPHT-0082-1024 | 1/4  | 7/8   | 10-24  |
| SPHT-0082-1032 | 1/4  | 7/8   | 10-32  |
| SPHT-0083-440  | 1/4  | 15/16 | 4-40   |
| SPHT-0084-632  | 1/4  | 15/16 | 6-32   |
| SPHT-0085-832  | 1/4  | 15/16 | 8-32   |
| SPHT-0086-1024 | 1/4  | 15/16 | 10-24  |
| SPHT-0086-1032 | 1/4  | 15/16 | 10-32  |
| SPHT-0087-440  | 1/4  | 1     | 4-40   |
| SPHT-0088-632  | 1/4  | 1     | 6-32   |
| SPHT-0089-832  | 1/4  | 1     | 8-32   |
| SPHT-0090-1024 | 1/4  | 1     | 10-24  |
| SPHT-0090-1032 | 1/4  | 1     | 10-32  |
| SPHT-0836-632  | 5/16 | 1 1/8 | 6-32   |



## Tapped Round Spacers

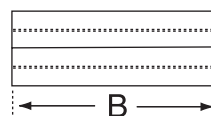
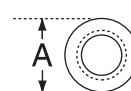
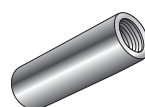


| Item                      | A   | B     | Tapped |
|---------------------------|-----|-------|--------|
| SPT-0039-440              | 1/4 | 1/4   | 4-40   |
| SPT-0040-632              | 1/4 | 1/4   | 6-32   |
| SPT-0041-832              | 1/4 | 1/4   | 8-32   |
| SPT-0871-832-KN (KNURLED) | 1/4 | 1/4   | 8-32   |
| SPT-0042-1024             | 1/4 | 1/4   | 10-24  |
| SPT-0042-1032             | 1/4 | 1/4   | 10-32  |
| SPT-0043-440              | 1/4 | 5/16  | 4-40   |
| SPT-0044-632              | 1/4 | 5/16  | 6-32   |
| SPT-0045-832              | 1/4 | 5/16  | 8-32   |
| SPT-0046-1024             | 1/4 | 5/16  | 10-24  |
| SPT-0046-1032             | 1/4 | 5/16  | 10-32  |
| SPT-0047-440              | 1/4 | 3/8   | 4-40   |
| SPT-0048-632              | 1/4 | 3/8   | 6-32   |
| SPT-0049-832              | 1/4 | 3/8   | 8-32   |
| SPT-0050-1024             | 1/4 | 3/8   | 10-24  |
| SPT-0050-1032             | 1/4 | 3/8   | 10-32  |
| SPT-0051-440              | 1/4 | 7/16  | 4-40   |
| SPT-0052-632              | 1/4 | 7/16  | 6-32   |
| SPT-0053-832              | 1/4 | 7/16  | 8-32   |
| SPT-0054-1024             | 1/4 | 7/16  | 10-24  |
| SPT-0054-1032             | 1/4 | 7/16  | 10-32  |
| SPT-0055-440              | 1/4 | 1/2   | 4-40   |
| SPT-0056-632              | 1/4 | 1/2   | 6-32   |
| SPT-0057-832              | 1/4 | 1/2   | 8-32   |
| SPT-0058-1024             | 1/4 | 1/2   | 10-24  |
| SPT-0058-1032             | 1/4 | 1/2   | 10-32  |
| SPT-0059-440              | 1/4 | 9/16  | 4-40   |
| SPT-0060-632              | 1/4 | 9/16  | 6-32   |
| SPT-0061-832              | 1/4 | 9/16  | 8-32   |
| SPT-0062-1024             | 1/4 | 9/16  | 10-24  |
| SPT-0062-1032             | 1/4 | 9/16  | 10-32  |
| SPT-0063-440              | 1/4 | 5/8   | 4-40   |
| SPT-0064-632              | 1/4 | 5/8   | 6-32   |
| SPT-0065-832              | 1/4 | 5/8   | 8-32   |
| SPT-0066-1024             | 1/4 | 5/8   | 10-24  |
| SPT-0066-1032             | 1/4 | 5/8   | 10-32  |
| SPT-0067-440              | 1/4 | 11/16 | 4-40   |
| SPT-0068-632              | 1/4 | 11/16 | 6-32   |
| SPT-0069-832              | 1/4 | 11/16 | 8-32   |
| SPT-0070-1024             | 1/4 | 11/16 | 10-24  |
| SPT-0070-1032             | 1/4 | 11/16 | 10-32  |
| SPT-0071-440              | 1/4 | 3/4   | 4-40   |
| SPT-0072-632              | 1/4 | 3/4   | 6-32   |
| SPT-0073-832              | 1/4 | 3/4   | 8-32   |
| SPT-0074-1024             | 1/4 | 3/4   | 10-24  |
| SPT-0074-1032             | 1/4 | 3/4   | 10-32  |
| SPT-0075-440              | 1/4 | 13/16 | 4-40   |
| SPT-0076-632              | 1/4 | 13/16 | 6-32   |
| SPT-0077-832              | 1/4 | 13/16 | 8-32   |

| Item          | A    | B     | Tapped |
|---------------|------|-------|--------|
| SPT-0078-1024 | 1/4  | 13/16 | 10-24  |
| SPT-0078-1032 | 1/4  | 13/16 | 10-32  |
| SPT-0079-440  | 1/4  | 7/8   | 4-40   |
| SPT-0080-632  | 1/4  | 7/8   | 6-32   |
| SPT-0081-832  | 1/4  | 7/8   | 8-32   |
| SPT-0082-1024 | 1/4  | 7/8   | 10-24  |
| SPT-0082-1032 | 1/4  | 7/8   | 10-32  |
| SPT-0083-440  | 1/4  | 15/16 | 4-40   |
| SPT-0084-632  | 1/4  | 15/16 | 6-32   |
| SPT-0085-832  | 1/4  | 15/16 | 8-32   |
| SPT-0086-1024 | 1/4  | 15/16 | 10-24  |
| SPT-0086-1032 | 1/4  | 15/16 | 10-32  |
| SPT-0087-440  | 1/4  | 1     | 4-40   |
| SPT-0088-632  | 1/4  | 1     | 6-32   |
| SPT-0089-832  | 1/4  | 1     | 8-32   |
| SPT-0090-1024 | 1/4  | 1     | 10-24  |
| SPT-0090-1032 | 1/4  | 1     | 10-32  |
| SPT-0095-632  | 5/16 | 3/16  | 6-32   |
| SPT-0096-832  | 5/16 | 3/16  | 8-32   |
| SPT-0097-1024 | 5/16 | 3/16  | 10-24  |
| SPT-0097-1032 | 5/16 | 3/16  | 10-32  |
| SPT-0099-632  | 5/16 | 1/4   | 6-32   |
| SPT-0100-832  | 5/16 | 1/4   | 8-32   |
| SPT-0101-1024 | 5/16 | 1/4   | 10-24  |
| SPT-0101-1032 | 5/16 | 1/4   | 10-32  |
| SPT-0103-632  | 5/16 | 5/16  | 6-32   |
| SPT-0104-832  | 5/16 | 5/16  | 8-32   |
| SPT-0105-1024 | 5/16 | 5/16  | 10-24  |
| SPT-0105-1032 | 5/16 | 5/16  | 10-32  |
| SPT-0107-632  | 5/16 | 3/8   | 6-32   |
| SPT-0108-832  | 5/16 | 3/8   | 8-32   |
| SPT-0109-1024 | 5/16 | 3/8   | 10-24  |
| SPT-0109-1032 | 5/16 | 3/8   | 10-32  |
| SPT-0111-632  | 5/16 | 7/16  | 6-32   |
| SPT-0112-832  | 5/16 | 7/16  | 8-32   |
| SPT-0113-1024 | 5/16 | 7/16  | 10-24  |
| SPT-0113-1032 | 5/16 | 7/16  | 10-32  |
| SPT-0115-632  | 5/16 | 1/2   | 6-32   |
| SPT-0116-832  | 5/16 | 1/2   | 8-32   |
| SPT-0117-1024 | 5/16 | 1/2   | 10-24  |
| SPT-0117-1032 | 5/16 | 1/2   | 10-32  |
| SPT-0119-632  | 5/16 | 9/16  | 6-32   |
| SPT-0120-832  | 5/16 | 9/16  | 8-32   |
| SPT-0121-1024 | 5/16 | 9/16  | 10-24  |
| SPT-0121-1032 | 5/16 | 9/16  | 10-32  |
| SPT-0123-632  | 5/16 | 5/8   | 6-32   |
| SPT-0124-832  | 5/16 | 5/8   | 8-32   |

(continued)





## Tapped Round Spacers (continued)

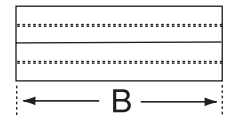
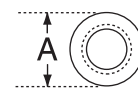
| Item                      | A    | B     | Tapped |
|---------------------------|------|-------|--------|
| SPT-0125-1024             | 5/16 | 5/8   | 10-24  |
| SPT-0125-1032             | 5/16 | 5/8   | 10-32  |
| SPT-0127-632              | 5/16 | 11/16 | 6-32   |
| SPT-0128-832              | 5/16 | 11/16 | 8-32   |
| SPT-0129-1024             | 5/16 | 11/16 | 10-24  |
| SPT-0129-1032             | 5/16 | 11/16 | 10-32  |
| SPT-0131-632              | 5/16 | 3/4   | 6-32   |
| SPT-0132-832              | 5/16 | 3/4   | 8-32   |
| SPT-0133-1024             | 5/16 | 3/4   | 10-24  |
| SPT-0133-1032             | 5/16 | 3/4   | 10-32  |
| SPT-0135-632              | 5/16 | 13/16 | 6-32   |
| SPT-0136-832              | 5/16 | 13/16 | 8-32   |
| SPT-0137-1024             | 5/16 | 13/16 | 10-24  |
| SPT-0137-1032             | 5/16 | 13/16 | 10-32  |
| SPT-0139-632              | 5/16 | 7/8   | 6-32   |
| SPT-0140-832              | 5/16 | 7/8   | 8-32   |
| SPT-0141-1024             | 5/16 | 7/8   | 10-24  |
| SPT-0141-1032             | 5/16 | 7/8   | 10-32  |
| SPT-0143-632              | 5/16 | 15/16 | 6-32   |
| SPT-0144-832              | 5/16 | 15/16 | 8-32   |
| SPT-0145-1024             | 5/16 | 15/16 | 10-24  |
| SPT-0145-1032             | 5/16 | 15/16 | 10-32  |
| SPT-0147-632              | 5/16 | 1     | 6-32   |
| SPT-0148-832              | 5/16 | 1     | 8-32   |
| SPT-0149-1024             | 5/16 | 1     | 10-24  |
| SPT-0149-1032             | 5/16 | 1     | 10-32  |
| SPT-0161-832              | 3/8  | 3/16  | 8-32   |
| SPT-0162-1024             | 3/8  | 3/16  | 10-24  |
| SPT-0162-1032             | 3/8  | 3/16  | 10-32  |
| SPT-1191-632-KN (KNURLED) | 3/8  | 1/4   | 6-32   |
| SPT-0164-832              | 3/8  | 1/4   | 8-32   |
| SPT-0165-1024             | 3/8  | 1/4   | 10-24  |
| SPT-0165-1032             | 3/8  | 1/4   | 10-32  |
| SPT-0167-832              | 3/8  | 5/16  | 8-32   |
| SPT-0168-1024             | 3/8  | 5/16  | 10-24  |
| SPT-0168-1032             | 3/8  | 5/16  | 10-32  |
| SPT-0170-832              | 3/8  | 3/8   | 8-32   |
| SPT-0171-1024             | 3/8  | 3/8   | 10-24  |
| SPT-0171-1032             | 3/8  | 3/8   | 10-32  |
| SPT-0173-832              | 3/8  | 7/16  | 8-32   |
| SPT-0174-1024             | 3/8  | 7/16  | 10-24  |
| SPT-0174-1032             | 3/8  | 7/16  | 10-32  |
| SPT-0176-832              | 3/8  | 1/2   | 8-32   |
| SPT-0177-1024             | 3/8  | 1/2   | 10-24  |
| SPT-0177-1032             | 3/8  | 1/2   | 10-32  |
| SPT-0179-832              | 3/8  | 9/16  | 8-32   |
| SPT-0180-1024             | 3/8  | 9/16  | 10-24  |
| SPT-0180-1032             | 3/8  | 9/16  | 10-32  |

| Item           | A   | B     | Tapped  |
|----------------|-----|-------|---------|
| SPT-1380-1024  | 3/8 | .575  | 10-24   |
| SPT-1380-1032  | 3/8 | .575  | 10-32   |
| SPT-0182-832   | 3/8 | 5/8   | 8-32    |
| SPT-0183-1024  | 3/8 | 5/8   | 10-24   |
| SPT-0183-1032  | 3/8 | 5/8   | 10-32   |
| SPT-0185-832   | 3/8 | 11/16 | 8-32    |
| SPT-0186-1024  | 3/8 | 11/16 | 10-24   |
| SPT-0186-1032  | 3/8 | 11/16 | 10-32   |
| SPT-0188-832   | 3/8 | 3/4   | 8-32    |
| SPT-0189-1024  | 3/8 | 3/4   | 10-24   |
| SPT-0189-1032  | 3/8 | 3/4   | 10-32   |
| SPT-0191-832   | 3/8 | 13/16 | 8-32    |
| SPT-0192-1024  | 3/8 | 13/16 | 10-24   |
| SPT-0192-1032  | 3/8 | 13/16 | 10-32   |
| SPT-0194-832   | 3/8 | 7/8   | 8-32    |
| SPT-0195-1024  | 3/8 | 7/8   | 10-24   |
| SPT-0195-1032  | 3/8 | 7/8   | 10-32   |
| SPT-0197-832   | 3/8 | 15/16 | 8-32    |
| SPT-0198-1024  | 3/8 | 15/16 | 10-24   |
| SPT-0198-1032  | 3/8 | 15/16 | 10-32   |
| SPT-0200-832   | 3/8 | 1     | 8-32    |
| SPT-0201-1024  | 3/8 | 1     | 10-24   |
| SPT-0201-1032  | 3/8 | 1     | 10-32   |
| SPT-0208-832   | 1/2 | 3/16  | 8-32    |
| SPT-0209-1024  | 1/2 | 3/16  | 10-24   |
| SPT-0209-1032  | 1/2 | 3/16  | 10-32   |
| SPT-0211-1420  | 1/2 | 3/16  | 1/4-20  |
| SPT-0212-51618 | 1/2 | 3/16  | 5/16-18 |
| SPT-0213-832   | 1/2 | 1/4   | 8-32    |
| SPT-0214-1024  | 1/2 | 1/4   | 10-24   |
| SPT-0214-1032  | 1/2 | 1/4   | 10-32   |
| SPT-0216-1420  | 1/2 | 1/4   | 1/4-20  |
| SPT-0217-51618 | 1/2 | 1/4   | 5/16-18 |
| SPT-0218-832   | 1/2 | 5/16  | 8-32    |
| SPT-0219-1024  | 1/2 | 5/16  | 10-24   |
| SPT-0219-1032  | 1/2 | 5/16  | 10-32   |
| SPT-0221-1420  | 1/2 | 5/16  | 1/4-20  |
| SPT-0222-51618 | 1/2 | 5/16  | 5/16-18 |
| SPT-0223-832   | 1/2 | 3/8   | 8-32    |
| SPT-0224-1024  | 1/2 | 3/8   | 10-24   |
| SPT-0224-1032  | 1/2 | 3/8   | 10-32   |
| SPT-0226-1420  | 1/2 | 3/8   | 1/4-20  |
| SPT-0227-51618 | 1/2 | 3/8   | 5/16-18 |
| SPT-0228-832   | 1/2 | 7/16  | 8-32    |
| SPT-0229-1024  | 1/2 | 7/16  | 10-24   |
| SPT-0229-1032  | 1/2 | 7/16  | 10-32   |
| SPT-0231-1420  | 1/2 | 7/16  | 1/4-20  |

(continued)



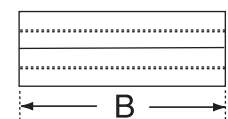
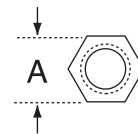
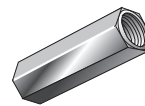
## Tapped Round Spacers (continued)



| Item           | A   | B     | Tapped  |
|----------------|-----|-------|---------|
| SPT-0232-51618 | 1/2 | 7/16  | 5/16-18 |
| SPT-0233-832   | 1/2 | 1/2   | 8-32    |
| SPT-0234-1024  | 1/2 | 1/2   | 10-24   |
| SPT-0234-1032  | 1/2 | 1/2   | 10-32   |
| SPT-0236-1420  | 1/2 | 1/2   | 1/4-20  |
| SPT-0237-51618 | 1/2 | 1/2   | 5/16-18 |
| SPT-0238-832   | 1/2 | 9/16  | 8-32    |
| SPT-0239-1024  | 1/2 | 9/16  | 10-24   |
| SPT-0239-1032  | 1/2 | 9/16  | 10-32   |
| SPT-0241-1420  | 1/2 | 9/16  | 1/4-20  |
| SPT-0242-51618 | 1/2 | 9/16  | 5/16-18 |
| SPT-0243-832   | 1/2 | 5/8   | 8-32    |
| SPT-0244-1024  | 1/2 | 5/8   | 10-24   |
| SPT-0244-1032  | 1/2 | 5/8   | 10-32   |
| SPT-0246-1420  | 1/2 | 5/8   | 1/4-20  |
| SPT-0247-51618 | 1/2 | 5/8   | 5/16-18 |
| SPT-0248-832   | 1/2 | 11/16 | 8-32    |
| SPT-0249-1024  | 1/2 | 11/16 | 10-24   |
| SPT-0249-1032  | 1/2 | 11/16 | 10-32   |
| SPT-0251-1420  | 1/2 | 11/16 | 1/4-20  |
| SPT-0252-51618 | 1/2 | 11/16 | 5/16-18 |
| SPT-0253-832   | 1/2 | 3/4   | 8-32    |
| SPT-0254-1024  | 1/2 | 3/4   | 10-24   |
| SPT-0254-1032  | 1/2 | 3/4   | 10-32   |

| Item             | A   | B     | Tapped  |
|------------------|-----|-------|---------|
| SPT-0256-1420    | 1/2 | 3/4   | 1/4-20  |
| SPT-0257-51618   | 1/2 | 3/4   | 5/16-18 |
| SPT-0258-832     | 1/2 | 13/16 | 8-32    |
| SPT-0259-1024    | 1/2 | 13/16 | 10-24   |
| SPT-0259-1032    | 1/2 | 13/16 | 10-32   |
| SPT-0261-1420    | 1/2 | 13/16 | 1/4-20  |
| SPT-0262-51618   | 1/2 | 13/16 | 5/16-18 |
| SPT-0263-832     | 1/2 | 7/8   | 8-32    |
| SPT-0264-1024    | 1/2 | 7/8   | 10-24   |
| SPT-0264-1032    | 1/2 | 7/8   | 10-32   |
| SPT-0266-1420    | 1/2 | 7/8   | 1/4-20  |
| SPT-0267-51618   | 1/2 | 7/8   | 5/16-18 |
| SPT-0268-832     | 1/2 | 15/16 | 8-32    |
| SPT-0269-1024    | 1/2 | 15/16 | 10-24   |
| SPT-0269-1032    | 1/2 | 15/16 | 10-32   |
| SPT-0271-1420    | 1/2 | 15/16 | 1/4-20  |
| SPT-0272-51618   | 1/2 | 15/16 | 5/16-18 |
| SPT-0273-832     | 1/2 | 1     | 8-32    |
| SPT-0274-1024    | 1/2 | 1     | 10-24   |
| SPT-0274-1032    | 1/2 | 1     | 10-32   |
| SPT-0276-1420    | 1/2 | 1     | 1/4-20  |
| SPT-0277-51618   | 1/2 | 1     | 5/16-18 |
| SPT-1448-1420-CH | 5/8 | 5/8   | 1/4-20  |

## Hex Spacers with Metric Tap



| Item          | A    | B    | Tapped |
|---------------|------|------|--------|
| SPHT-0001-M3  | 3/16 | 1/8  | M3     |
| SPHT-0002-M35 | 3/16 | 1/8  | M3.5   |
| SPHT-0003-M3  | 3/16 | 3/16 | M3     |
| SPHT-0004-M35 | 3/16 | 3/16 | M3.5   |
| SPHT-0005-M3  | 3/16 | 1/4  | M3     |
| SPHT-0006-M35 | 3/16 | 1/4  | M3.5   |
| SPHT-0007-M3  | 3/16 | 5/16 | M3     |
| SPHT-0008-M35 | 3/16 | 5/16 | M3.5   |
| SPHT-0009-M3  | 3/16 | 3/8  | M3     |
| SPHT-0010-M35 | 3/16 | 3/8  | M3.5   |
| SPHT-0011-M3  | 3/16 | 7/16 | M3     |
| SPHT-0012-M35 | 3/16 | 7/16 | M3.5   |
| SPHT-0013-M3  | 3/16 | 1/2  | M3     |
| SPHT-0014-M35 | 3/16 | 1/2  | M3.5   |
| SPHT-0015-M3  | 3/16 | 9/16 | M3     |
| SPHT-0016-M35 | 3/16 | 9/16 | M3.5   |

| Item          | A    | B     | Tapped |
|---------------|------|-------|--------|
| SPHT-0017-M3  | 3/16 | 5/8   | M3     |
| SPHT-0018-M35 | 3/16 | 5/8   | M3.5   |
| SPHT-0019-M3  | 3/16 | 11/16 | M3     |
| SPHT-0020-M35 | 3/16 | 11/16 | M3.5   |
| SPHT-0021-M3  | 3/16 | 3/4   | M3     |
| SPHT-0022-M35 | 3/16 | 3/4   | M3.5   |
| SPHT-0023-M3  | 3/16 | 13/16 | M3     |
| SPHT-0024-M35 | 3/16 | 13/16 | M3.5   |
| SPHT-0025-M3  | 3/16 | 7/8   | M3     |
| SPHT-0026-M35 | 3/16 | 7/8   | M3.5   |
| SPHT-0027-M3  | 3/16 | 15/16 | M3     |
| SPHT-0028-M35 | 3/16 | 15/16 | M3.5   |
| SPHT-0029-M3  | 3/16 | 1     | M3     |
| SPHT-0030-M35 | 3/16 | 1     | M3.5   |
| SPHT-0035-M3  | 1/4  | 3/16  | M3     |
| SPHT-0036-M35 | 1/4  | 3/16  | M3.5   |

(continued)



# Spacers

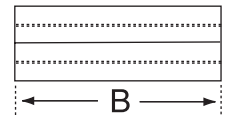
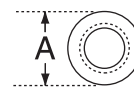
## Hex Spacers with Metric Tap (continued)



| Item          | A   | B    | Tapped |
|---------------|-----|------|--------|
| SPHT-0037-M4  | 1/4 | 3/16 | M4     |
| SPHT-0038-M5  | 1/4 | 3/16 | M5     |
| SPHT-0039-M3  | 1/4 | 1/4  | M3     |
| SPHT-0040-M35 | 1/4 | 1/4  | M3.5   |
| SPHT-0041-M4  | 1/4 | 1/4  | M4     |
| SPHT-0042-M5  | 1/4 | 1/4  | M5     |
| SPHT-0043-M3  | 1/4 | 5/16 | M3     |
| SPHT-0044-M35 | 1/4 | 5/16 | M3.5   |
| SPHT-0045-M4  | 1/4 | 5/16 | M4     |
| SPHT-0046-M5  | 1/4 | 5/16 | M5     |
| SPHT-0047-M3  | 1/4 | 3/8  | M3     |
| SPHT-0048-M35 | 1/4 | 3/8  | M3.5   |
| SPHT-0049-M4  | 1/4 | 3/8  | M4     |
| SPHT-0050-M5  | 1/4 | 3/8  | M5     |
| SPHT-0051-M3  | 1/4 | 7/16 | M3     |
| SPHT-0052-M35 | 1/4 | 7/16 | M3.5   |
| SPHT-0053-M4  | 1/4 | 7/16 | M4     |
| SPHT-0054-M5  | 1/4 | 7/16 | M5     |
| SPHT-0055-M3  | 1/4 | 1/2  | M3     |
| SPHT-0056-M35 | 1/4 | 1/2  | M3.5   |
| SPHT-0057-M4  | 1/4 | 1/2  | M4     |
| SPHT-0058-M5  | 1/4 | 1/2  | M5     |
| SPHT-0059-M3  | 1/4 | 9/16 | M3     |
| SPHT-0060-M35 | 1/4 | 9/16 | M3.5   |
| SPHT-0061-M4  | 1/4 | 9/16 | M4     |
| SPHT-0062-M5  | 1/4 | 9/16 | M5     |
| SPHT-0063-M3  | 1/4 | 5/8  | M3     |
| SPHT-0064-M35 | 1/4 | 5/8  | M3.5   |

| Item          | A    | B     | Tapped |
|---------------|------|-------|--------|
| SPHT-0065-M4  | 1/4  | 5/8   | M4     |
| SPHT-0066-M5  | 1/4  | 5/8   | M5     |
| SPHT-0067-M3  | 1/4  | 11/16 | M3     |
| SPHT-0068-M35 | 1/4  | 11/16 | M3.5   |
| SPHT-0069-M4  | 1/4  | 11/16 | M4     |
| SPHT-0070-M5  | 1/4  | 11/16 | M5     |
| SPHT-0071-M3  | 1/4  | 3/4   | M3     |
| SPHT-0072-M35 | 1/4  | 3/4   | M3.5   |
| SPHT-0073-M4  | 1/4  | 3/4   | M4     |
| SPHT-0074-M5  | 1/4  | 3/4   | M5     |
| SPHT-0075-M3  | 1/4  | 13/16 | M3     |
| SPHT-0076-M35 | 1/4  | 13/16 | M3.5   |
| SPHT-0077-M4  | 1/4  | 13/16 | M4     |
| SPHT-0078-M5  | 1/4  | 13/16 | M5     |
| SPHT-0079-M3  | 1/4  | 7/8   | M3     |
| SPHT-0080-M35 | 1/4  | 7/8   | M3.5   |
| SPHT-0081-M4  | 1/4  | 7/8   | M4     |
| SPHT-0082-M5  | 1/4  | 7/8   | M5     |
| SPHT-0083-M3  | 1/4  | 15/16 | M3     |
| SPHT-0084-M35 | 1/4  | 15/16 | M3.5   |
| SPHT-0085-M4  | 1/4  | 15/16 | M4     |
| SPHT-0086-M5  | 1/4  | 15/16 | M5     |
| SPHT-0087-M3  | 1/4  | 1     | M3     |
| SPHT-0088-M35 | 1/4  | 1     | M3.5   |
| SPHT-0089-M4  | 1/4  | 1     | M4     |
| SPHT-0090-M5  | 1/4  | 1     | M5     |
| SPHT-1356-M3  | 1/4  | .800  | M3     |
| SPHT-0836-M35 | 5/16 | 1 1/8 | M3.5   |

## Round Spacers with Metric Tap



| Item         | A   | B     | Tapped |
|--------------|-----|-------|--------|
| SPT-0039-M3  | 1/4 | 1/4   | M3     |
| SPT-0040-M35 | 1/4 | 1/4   | M3.5   |
| SPT-0041-M4  | 1/4 | 1/4   | M4     |
| SPT-0042-M5  | 1/4 | 1/4   | M5     |
| SPT-0043-M3  | 1/4 | 5/16  | M3     |
| SPT-0044-M35 | 1/4 | 5/16  | M3.5   |
| SPT-0045-M4  | 1/4 | 5/16  | M4     |
| SPT-0046-M5  | 1/4 | 5/16  | M5     |
| SPT-0047-M3  | 1/4 | 3/8   | M3     |
| SPT-0048-M35 | 1/4 | 3/8   | M3.5   |
| SPT-0049-M4  | 1/4 | 3/8   | M4     |
| SPT-0050-M5  | 1/4 | 3/8   | M5     |
| SPT-0051-M3  | 1/4 | 7/16  | M3     |
| SPT-0052-M35 | 1/4 | 7/16  | M3.5   |
| SPT-0053-M4  | 1/4 | 7/16  | M4     |
| SPT-0054-M5  | 1/4 | 7/16  | M5     |
| SPT-0055-M3  | 1/4 | 1/2   | M3     |
| SPT-0056-M35 | 1/4 | 1/2   | M3.5   |
| SPT-0057-M4  | 1/4 | 1/2   | M4     |
| SPT-0058-M5  | 1/4 | 1/2   | M5     |
| SPT-0059-M3  | 1/4 | 9/16  | M3     |
| SPT-0060-M35 | 1/4 | 9/16  | M3.5   |
| SPT-0061-M4  | 1/4 | 9/16  | M4     |
| SPT-0062-M5  | 1/4 | 9/16  | M5     |
| SPT-0063-M3  | 1/4 | 5/8   | M3     |
| SPT-0064-M35 | 1/4 | 5/8   | M3.5   |
| SPT-0065-M4  | 1/4 | 5/8   | M4     |
| SPT-0066-M5  | 1/4 | 5/8   | M5     |
| SPT-0067-M3  | 1/4 | 11/16 | M3     |
| SPT-0068-M35 | 1/4 | 11/16 | M3.5   |
| SPT-0069-M4  | 1/4 | 11/16 | M4     |
| SPT-0070-M5  | 1/4 | 11/16 | M5     |
| SPT-0071-M3  | 1/4 | 3/4   | M3     |
| SPT-0072-M35 | 1/4 | 3/4   | M3.5   |
| SPT-0073-M4  | 1/4 | 3/4   | M4     |
| SPT-0074-M5  | 1/4 | 3/4   | M5     |
| SPT-0075-M3  | 1/4 | 13/16 | M3     |
| SPT-0076-M35 | 1/4 | 13/16 | M3.5   |
| SPT-0077-M4  | 1/4 | 13/16 | M4     |
| SPT-0078-M5  | 1/4 | 13/16 | M5     |
| SPT-0079-M3  | 1/4 | 7/8   | M3     |
| SPT-0080-M35 | 1/4 | 7/8   | M3.5   |
| SPT-0081-M4  | 1/4 | 7/8   | M4     |
| SPT-0082-M5  | 1/4 | 7/8   | M5     |
| SPT-0083-M3  | 1/4 | 15/16 | M3     |
| SPT-0084-M35 | 1/4 | 15/16 | M3.5   |
| SPT-0085-M4  | 1/4 | 15/16 | M4     |
| SPT-0086-M5  | 1/4 | 15/16 | M5     |
| SPT-0087-M3  | 1/4 | 1     | M3     |
| SPT-0088-M35 | 1/4 | 1     | M3.5   |

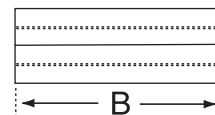
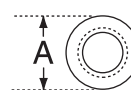
| Item         | A    | B     | Tapped |
|--------------|------|-------|--------|
| SPT-0089-M4  | 1/4  | 1     | M4     |
| SPT-0090-M5  | 1/4  | 1     | M5     |
| SPT-0095-M35 | 5/16 | 3/16  | M3.5   |
| SPT-0096-M4  | 5/16 | 3/16  | M4     |
| SPT-0097-M5  | 5/16 | 3/16  | M5     |
| SPT-0099-M35 | 5/16 | 1/4   | M3.5   |
| SPT-0100-M4  | 5/16 | 1/4   | M4     |
| SPT-0101-M5  | 5/16 | 1/4   | M5     |
| SPT-0103-M35 | 5/16 | 5/16  | M3.5   |
| SPT-0104-M4  | 5/16 | 5/16  | M4     |
| SPT-0105-M5  | 5/16 | 5/16  | M5     |
| SPT-0107-M35 | 5/16 | 3/8   | M3.5   |
| SPT-0108-M4  | 5/16 | 3/8   | M4     |
| SPT-0109-M5  | 5/16 | 3/8   | M5     |
| SPT-0111-M35 | 5/16 | 7/16  | M3.5   |
| SPT-0112-M4  | 5/16 | 7/16  | M4     |
| SPT-0113-M5  | 5/16 | 7/16  | M5     |
| SPT-0115-M35 | 5/16 | 1/2   | M3.5   |
| SPT-0116-M4  | 5/16 | 1/2   | M4     |
| SPT-0117-M5  | 5/16 | 1/2   | M5     |
| SPT-0119-M35 | 5/16 | 9/16  | M3.5   |
| SPT-0120-M4  | 5/16 | 9/16  | M4     |
| SPT-0121-M5  | 5/16 | 9/16  | M5     |
| SPT-0123-M35 | 5/16 | 5/8   | M3.5   |
| SPT-0124-M4  | 5/16 | 5/8   | M4     |
| SPT-0125-M5  | 5/16 | 5/8   | M5     |
| SPT-0127-M35 | 5/16 | 11/16 | M3.5   |
| SPT-0128-M4  | 5/16 | 11/16 | M4     |
| SPT-0129-M5  | 5/16 | 11/16 | M5     |
| SPT-0131-M35 | 5/16 | 3/4   | M3.5   |
| SPT-0132-M4  | 5/16 | 3/4   | M4     |
| SPT-0133-M5  | 5/16 | 3/4   | M5     |
| SPT-0135-M35 | 5/16 | 13/16 | M3.5   |
| SPT-0136-M4  | 5/16 | 13/16 | M4     |
| SPT-0137-M5  | 5/16 | 13/16 | M5     |
| SPT-0139-M35 | 5/16 | 7/8   | M3.5   |
| SPT-0140-M4  | 5/16 | 7/8   | M4     |
| SPT-0141-M5  | 5/16 | 7/8   | M5     |
| SPT-0143-M35 | 5/16 | 15/16 | M3.5   |
| SPT-0144-M4  | 5/16 | 15/16 | M4     |
| SPT-0145-M5  | 5/16 | 15/16 | M5     |
| SPT-0147-M35 | 5/16 | 1     | M3.5   |
| SPT-0148-M4  | 5/16 | 1     | M4     |
| SPT-0149-M5  | 5/16 | 1     | M5     |
| SPT-0161-M4  | 3/8  | 3/16  | M4     |
| SPT-0162-M5  | 3/8  | 3/16  | M5     |
| SPT-0164-M4  | 3/8  | 1/4   | M4     |
| SPT-0165-M5  | 3/8  | 1/4   | M5     |
| SPT-0167-M4  | 3/8  | 5/16  | M4     |
| SPT-0168-M5  | 3/8  | 5/16  | M5     |

(continued)



# Spacers

## Round Spacers with Metric Tap (continued)

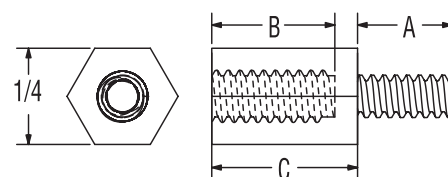
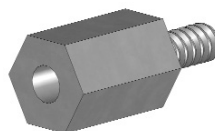


| Item        | A   | B     | Tapped |
|-------------|-----|-------|--------|
| SPT-0170-M4 | 3/8 | 3/8   | M4     |
| SPT-0171-M5 | 3/8 | 3/8   | M5     |
| SPT-0173-M4 | 3/8 | 7/16  | M4     |
| SPT-0174-M5 | 3/8 | 7/16  | M5     |
| SPT-0176-M4 | 3/8 | 1/2   | M4     |
| SPT-0177-M5 | 3/8 | 1/2   | M5     |
| SPT-0179-M4 | 3/8 | 9/16  | M4     |
| SPT-0180-M5 | 3/8 | 9/16  | M5     |
| SPT-0182-M4 | 3/8 | 5/8   | M4     |
| SPT-0183-M5 | 3/8 | 5/8   | M5     |
| SPT-0185-M4 | 3/8 | 11/16 | M4     |
| SPT-0186-M5 | 3/8 | 11/16 | M5     |
| SPT-0188-M4 | 3/8 | 3/4   | M4     |
| SPT-0189-M5 | 3/8 | 3/4   | M5     |
| SPT-0191-M4 | 3/8 | 13/16 | M4     |
| SPT-0192-M5 | 3/8 | 13/16 | M5     |
| SPT-0194-M4 | 3/8 | 7/8   | M4     |
| SPT-0195-M5 | 3/8 | 7/8   | M5     |
| SPT-0197-M4 | 3/8 | 15/16 | M4     |
| SPT-0198-M5 | 3/8 | 15/16 | M5     |
| SPT-0200-M4 | 3/8 | 1     | M4     |
| SPT-0201-M5 | 3/8 | 1     | M5     |
| SPT-0208-M4 | 1/2 | 3/16  | M4     |
| SPT-0209-M5 | 1/2 | 3/16  | M5     |
| SPT-0211-M6 | 1/2 | 3/16  | M6     |
| SPT-0213-M4 | 1/2 | 1/4   | M4     |
| SPT-0214-M5 | 1/2 | 1/4   | M5     |
| SPT-0216-M6 | 1/2 | 1/4   | M6     |
| SPT-0218-M4 | 1/2 | 5/16  | M4     |
| SPT-0219-M5 | 1/2 | 5/16  | M5     |
| SPT-0221-M6 | 1/2 | 5/16  | M6     |
| SPT-0223-M4 | 1/2 | 3/8   | M4     |

| Item        | A   | B     | Tapped |
|-------------|-----|-------|--------|
| SPT-0224-M5 | 1/2 | 3/8   | M5     |
| SPT-0226-M6 | 1/2 | 3/8   | M6     |
| SPT-0228-M4 | 1/2 | 7/16  | M4     |
| SPT-0229-M5 | 1/2 | 7/16  | M5     |
| SPT-0231-M6 | 1/2 | 7/16  | M6     |
| SPT-0233-M4 | 1/2 | 1/2   | M4     |
| SPT-0234-M5 | 1/2 | 1/2   | M5     |
| SPT-0236-M6 | 1/2 | 1/2   | M6     |
| SPT-0238-M4 | 1/2 | 9/16  | M4     |
| SPT-0239-M5 | 1/2 | 9/16  | M5     |
| SPT-0241-M6 | 1/2 | 9/16  | M6     |
| SPT-0243-M4 | 1/2 | 5/8   | M4     |
| SPT-0244-M5 | 1/2 | 5/8   | M5     |
| SPT-0246-M6 | 1/2 | 5/8   | M6     |
| SPT-0248-M4 | 1/2 | 11/16 | M4     |
| SPT-0249-M5 | 1/2 | 11/16 | M5     |
| SPT-0251-M6 | 1/2 | 11/16 | M6     |
| SPT-0253-M4 | 1/2 | 3/4   | M4     |
| SPT-0254-M5 | 1/2 | 3/4   | M5     |
| SPT-0256-M6 | 1/2 | 3/4   | M6     |
| SPT-0258-M4 | 1/2 | 13/16 | M4     |
| SPT-0259-M5 | 1/2 | 13/16 | M5     |
| SPT-0261-M6 | 1/2 | 13/16 | M6     |
| SPT-0263-M4 | 1/2 | 7/8   | M4     |
| SPT-0264-M5 | 1/2 | 7/8   | M5     |
| SPT-0266-M6 | 1/2 | 7/8   | M6     |
| SPT-0268-M4 | 1/2 | 15/16 | M4     |
| SPT-0269-M5 | 1/2 | 15/16 | M5     |
| SPT-0271-M6 | 1/2 | 15/16 | M6     |
| SPT-0273-M4 | 1/2 | 1     | M4     |
| SPT-0274-M5 | 1/2 | 1     | M5     |
| SPT-0276-M5 | 1/2 | 1     | M6     |



## Threaded Male-Female Standoffs



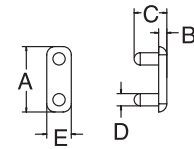
| Item                 | Description | Thread Size | Thread Length A | Thread Depth Min. B | Hex Length C |
|----------------------|-------------|-------------|-----------------|---------------------|--------------|
| SOMF-440-0250-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 1/4          |
| SOMF-440-0276-HEX-SP | STANDOFF    | 4-40        | 3/16            | 3/16                | .276         |
| SOMF-440-0375-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 3/8          |
| SOMF-440-0500-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 1/2          |
| SOMF-440-0600-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | .600         |
| SOMF-440-0625-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 5/8          |
| SOMF-440-0750-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 3/4          |
| SOMF-440-0875-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 7/8          |
| SOMF-440-1000-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 1            |
| SOMF-440-1125-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 1 1/8        |
| SOMF-440-1250-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 1 1/4        |
| SOMF-440-1375-HEX    | STANDOFF    | 4-40        | 3/16            | 3/16                | 1 3/8        |
| SOMF-632-0250-HEX    | STANDOFF    | 6-32        | 1/4             | .190                | 1/4          |
| SOMF-632-0375-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 3/8          |
| SOMF-632-0500-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 1/2          |
| SOMF-632-0562-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 9/16         |
| SOMF-632-0625-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 5/8          |
| SOMF-632-0750-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 3/4          |
| SOMF-632-0875-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 7/8          |
| SOMF-632-0937-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 15/16        |
| SOMF-632-1000-HEX    | STANDOFF    | 6/32        | 1/4             | 1/4                 | 1            |
| SOMF-632-1125-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 1 1/8        |
| SOMF-632-1250-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 1 1/4        |
| SOMF-632-1312-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 1 5/16       |
| SOMF-632-1375-HEX    | STANDOFF    | 6-32        | 1/4             | 1/4                 | 1 3/8        |
| SOMF-832-0250-HEX    | STANDOFF    | 8-32        | 1/4             | .200                | 1/4          |
| SOMF-832-0375-HEX    | STANDOFF    | 8-32        | 1/4             | .200                | 3/8          |
| SOMF-832-0500-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 1/2          |
| SOMF-832-0625-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 5/8          |
| SOMF-832-0750-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 3/4          |
| SOMF-832-0875-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 7/8          |
| SOMF-832-1000-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 1            |
| SOMF-832-1125-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 1 1/8        |
| SOMF-832-1250-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 1 1/4        |
| SOMF-832-1375-HEX    | STANDOFF    | 8-32        | 1/4             | 3/8                 | 1 3/8        |





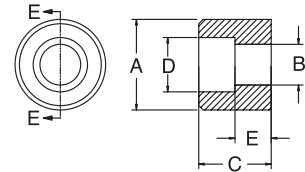
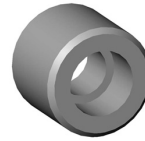
# Stem Bumpers

## Double Stem Bumper



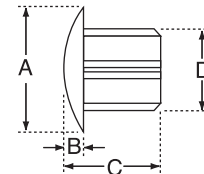
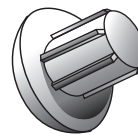
| Item         | A     | B    | C    | D    | E    |
|--------------|-------|------|------|------|------|
| BPS-1173-DBL | 1.000 | .125 | .500 | .187 | .375 |

## Recessed Bumper



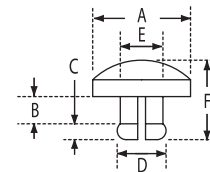
| Item     | A    | B    | C    | D    | E    |
|----------|------|------|------|------|------|
| BPR-0830 | .625 | .281 | .500 | .375 | .250 |
| BPR-1135 | .750 | .156 | .875 | .312 | .407 |

## Ribbed Stem Bumper

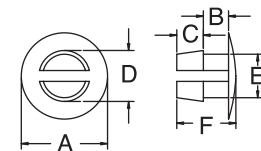
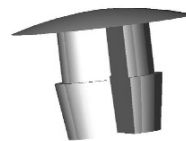


| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| BPS-0485-RIB | .500 | .125 | .425 | .250 |

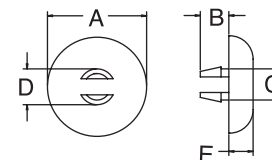
## Split Stem Bumpers



| Item         | A    | B    | C    | D    | E    | F    |
|--------------|------|------|------|------|------|------|
| BPS-0823-SPL | .250 | .062 | .047 | .125 | .109 | .203 |



| Item         | A    | B    | C    | D    | E    | F    |
|--------------|------|------|------|------|------|------|
| BPS-0938-SPL | .390 | .056 | .100 | .218 | .187 | .250 |
| BPS-0953-SPL | .350 | .062 | .100 | .218 | .187 | .205 |

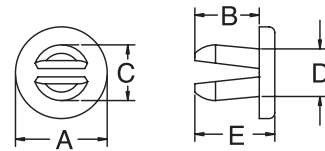


| Item         | A    | B    | C    | D    | E    |
|--------------|------|------|------|------|------|
| BPS-1823-SPL | .750 | .220 | .240 | .270 | .187 |

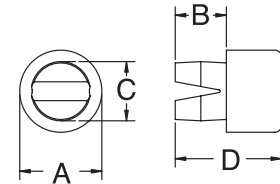
(continued)



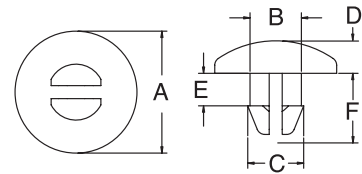
## Split Stem Bumpers (continued)



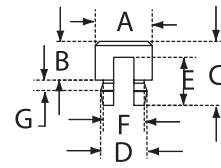
| Item         | A    | B    | C    | D    | E    |
|--------------|------|------|------|------|------|
| BPS-1726-SPL | .750 | .430 | .292 | .270 | .630 |



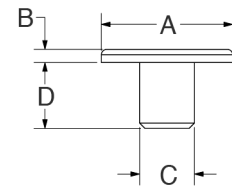
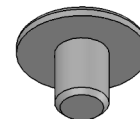
| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| BPS-1263-SPL | .307 | .182 | .208 | .384 |



| Item            | A    | B    | C    | D    | E    | F    |
|-----------------|------|------|------|------|------|------|
| BPS-1727-SPL-SP | .375 | .158 | .172 | .100 | .100 | .290 |



| Item         | A    | B    | C    | D    | E    | F    | G    |
|--------------|------|------|------|------|------|------|------|
| BPS-1900-SPL | .270 | .184 | .305 | .220 | .228 | .195 | .047 |

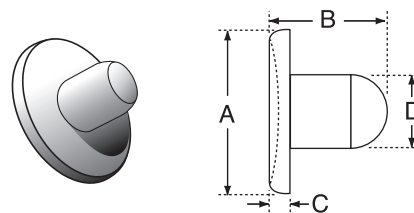


| Item     | A    | B    | C    | D    |
|----------|------|------|------|------|
| BPS-2358 | .750 | .075 | .313 | .375 |



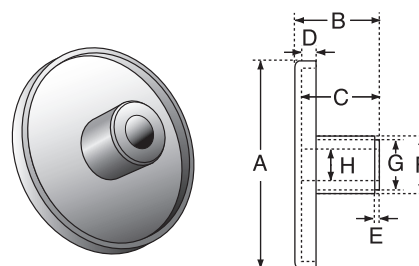
# Stem Bumpers

## Stem Bumpers



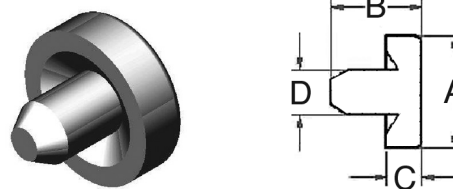
| Item         | A    | B    | C    | D    |
|--------------|------|------|------|------|
| BPS-0875-FHD | .330 | .173 | .042 | .156 |
| BPS-0885-FHD | .500 | .310 | .130 | .180 |

VTR = VERTICAL RIBS

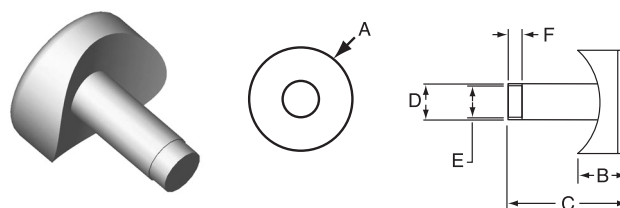


| Item         | A     | B    | C    | D    | E    | F    | G    | H    |
|--------------|-------|------|------|------|------|------|------|------|
| BPS-0992-VTR | 1.000 | .415 | .300 | .060 | .025 | .330 | .310 | .153 |

PEL = LOW DENSITY POLYETHYLENE



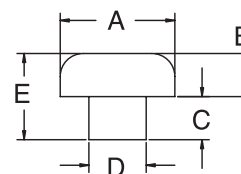
| Item                 | A    | B    | C    | D    |
|----------------------|------|------|------|------|
| BPS-1175-FHD-CTR-PEL | .500 | .405 | .155 | .208 |



| Item     | A    | B    | C    | D    | E    | F    |
|----------|------|------|------|------|------|------|
| BPS-1120 | .750 | .360 | .804 | .254 | .250 | .106 |

(continued)

## Stem Bumpers (continued)



| Item                   | A    | B    | C    | D    | E    |
|------------------------|------|------|------|------|------|
| BTW-1831 (WEAR BUTTON) | .500 | .188 | .188 | .250 | .376 |



# Threaded Rod

*Lengths Up To 12 Feet.*

*Other sizes and materials available upon request.*

## **Types Available**

- Threaded solid
- Threaded tubular
- Threaded solid studs
- Threaded tubular studs
- Dowels
- Blank tubular

## **Materials**

- Nylon 6/6 (in stock)
- PVC
- ST801 "Super Tough"
- Acetal
- Polycarbonate
- Polyethylene
- Polypropylene
- Teflon "TFE"

## **Threads**

- Right hand
- Left hand
- Coarse
- Fine
- Metric

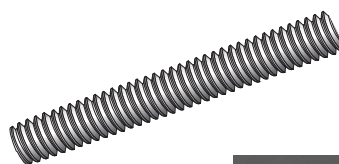
*Other Materials, Threads, and Sizes Available Upon Request.*

## Threaded Rod

| Size    |
|---------|
| 4-40    |
| 6-32    |
| 8-32    |
| 10-24   |
| 10-32   |
| 12-24   |
| 12-28   |
| 1/4-20  |
| 1/4-28  |
| 5/16-18 |
| 5/16-24 |
| 3/8-16  |
| 3/8-24  |
| 3/8-32  |
| 7/16-14 |
| 7/16-20 |
| 9/16-18 |
| 1/2-13  |
| 1/2-20  |
| 5/8-11  |
| 5/8-18  |
| 3/4-10  |
| 3/4-16  |
| 7/8-9   |
| 1-8     |
| 1-12    |
| 1-14    |

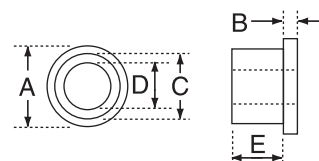
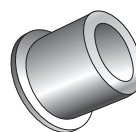
## Metric Threaded Rod

| Size       |
|------------|
| M3 X 0.5   |
| M3.5 X 0.6 |
| M4 X 0.7   |
| M6 X 1.0   |
| M8 X 1.25  |
| M10 X 1.5  |
| M12 X 1.75 |



## Shoulder Washers

BV = BEVELED  
CH = CHAMFER  
RA = RADIUS



| Item                 | A<br>Major<br>O.D. | B<br>Head<br>Thickness | C<br>Minor<br>O.D. | D<br>I.D. | E<br>Length<br>Under<br>Head |
|----------------------|--------------------|------------------------|--------------------|-----------|------------------------------|
| WS-0181-0090-0375    | .181               | .047                   | .120               | .090      | .375                         |
| WS-0218-0101-0031    | .218               | .040                   | .135               | .101      | .031                         |
| WS-0218-0115-0031    | .218               | .047                   | .135               | .115      | .031                         |
| WS-0230-0122-0047    | .230               | .016                   | .142               | .122      | .047                         |
| WS-0235-0115-0047    | .235               | .047                   | .145               | .115      | .047                         |
| WS-0235-0115-0250    | .235               | .047                   | .145               | .115      | .250                         |
| WS-0244-0122-0079    | .244               | .039                   | .157               | .122      | .079                         |
| WS-0250-0093-0040-BV | .250               | .040                   | .156               | .093      | .040                         |
| WS-0250-0110-0040    | .250               | .047                   | .140               | .110      | .040                         |
| WS-0250-0115-0047    | .250               | .125                   | .155               | .115      | .047                         |
| WS-0250-0120-0120    | .250               | .055                   | .150               | .120      | .120                         |
| WS-0250-0130-0125    | .250               | .031                   | .195               | .130      | .125                         |
| WS-0250-0148-0047-RA | .250               | .031                   | .188               | .148      | .047                         |
| WS-0281-0122-0040-BV | .281               | .040                   | .187               | .122      | .040                         |
| WS-0283-0123-0250    | .283               | .045                   | .199               | .123      | .250                         |
| WS-0312-0140-0135    | .312               | .047                   | .177               | .140      | .135                         |
| WS-0312-0184-0187    | .312               | .031                   | .234               | .184      | .187                         |
| WS-0315-0129-0330    | .315               | .050                   | .190               | .129      | .330                         |
| WS-0323-0161-0118    | .323               | .059                   | .236               | .161      | .118                         |
| WS-0323-0161-0157    | .323               | .059                   | .236               | .161      | .157                         |
| WS-0323-0161-0276    | .323               | .059                   | .236               | .161      | .276                         |
| WS-0323-0161-0354    | .323               | .059                   | .236               | .161      | .354                         |
| WS-0328-0146-0040-BV | .328               | .040                   | .218               | .146      | .040                         |
| WS-0328-0146-0047    | .328               | .047                   | .218               | .146      | .047                         |
| WS-0344-0156-0375    | .344               | .062                   | .219               | .156      | .375                         |
| WS-0344-0170-0750    | .344               | .062                   | .200               | .170      | .750                         |
| WS-0344-0173-0375    | .344               | .062                   | .205               | .173      | .375                         |
| WS-0349-0140-0062    | .349               | .047                   | .248               | .140      | .062                         |
| WS-0355-0150-0090    | .355               | .040                   | .250               | .150      | .090                         |
| WS-0375-0125-0125    | .375               | .040                   | .187               | .125      | .125                         |
| WS-0375-0125-0300    | .375               | .050                   | .253               | .125      | .300                         |
| WS-0375-0171-0062    | .375               | .031                   | .195               | .171      | .062                         |
| WS-0375-0174-0050-BV | .375               | .050                   | .250               | .174      | .050                         |
| WS-0375-0197-0213    | .375               | .062                   | .250               | .197      | .213                         |
| WS-0380-0196-0120    | .380               | .197                   | .264               | .196      | .120                         |
| WS-0380-0196-0125    | .380               | .065                   | .254               | .196      | .125                         |
| WS-0385-0145-0031    | .385               | .062                   | .240               | .145      | .031                         |
| WS-0390-0203-0078    | .390               | .078                   | .313               | .203      | .078                         |
| WS-0393-0159-0062    | .393               | .047                   | .194               | .159      | .062                         |
| WS-0399-0200-0375    | .399               | .063                   | .260               | .200      | .375                         |
| WS-0400-0156-0046    | .400               | .046                   | .243               | .156      | .046                         |
| WS-0400-0200-0375    | .400               | .062                   | .260               | .200      | .375                         |
| WS-0402-0201-0118    | .402               | .079                   | .276               | .201      | .118                         |
| WS-0402-0201-0197    | .402               | .079                   | .276               | .201      | .197                         |
| WS-0402-0201-0354    | .402               | .079                   | .276               | .201      | .354                         |

| Item                 | A<br>Major<br>O.D. | B<br>Head<br>Thickness | C<br>Minor<br>O.D. | D<br>I.D. | E<br>Length<br>Under<br>Head |
|----------------------|--------------------|------------------------|--------------------|-----------|------------------------------|
| WS-0408-0197-0187    | .408               | .062                   | .240               | .197      | .187                         |
| WS-0408-0215-0194    | .408               | .062                   | .238               | .215      | .194                         |
| WS-0425-0165-0030    | .425               | .062                   | .305               | .165      | .030                         |
| WS-0425-0210-0295    | .425               | .067                   | .312               | .210      | .295                         |
| WS-0425-0250-0062    | .425               | .062                   | .310               | .250      | .062                         |
| WS-0428-0308-0047    | .428               | .125                   | .350               | .308      | .047                         |
| WS-0437-0193-0040    | .437               | .060                   | .278               | .193      | .040                         |
| WS-0437-0194-0031    | .437               | .062                   | .240               | .194      | .031                         |
| WS-0437-0201-0050-BV | .437               | .050                   | .281               | .201      | .050                         |
| WS-0437-0256-0109    | .437               | .060                   | .355               | .256      | .109                         |
| WS-0438-0203-0094    | .438               | .062                   | .267               | .203      | .094                         |
| WS-0440-0196-0141    | .440               | .040                   | .303               | .196      | .141                         |
| WS-0472-0160-0118    | .472               | .083                   | .216               | .160      | .118                         |
| WS-0480-0136-0190-CH | .480               | .050                   | .333               | .136      | .190                         |
| WS-0480-0240-0157    | .480               | .079                   | .315               | .240      | .157                         |
| WS-0480-0240-0236    | .480               | .079                   | .315               | .240      | .236                         |
| WS-0480-0240-0315    | .480               | .079                   | .315               | .240      | .315                         |
| WS-0496-0212-0127    | .496               | .085                   | .305               | .212      | .127                         |
| WS-0500-0150-0062    | .500               | .062                   | .330               | .150      | .062                         |
| WS-0500-0157-0680    | .500               | .060                   | .369               | .157      | .680                         |
| WS-0500-0171-0406    | .500               | .062                   | .250               | .171      | .406                         |
| WS-0500-0172-0125    | .500               | .187                   | .250               | .172      | .125                         |
| WS-0500-0172-0140    | .500               | .078                   | .312               | .172      | .140                         |
| WS-0500-0172-0156    | .500               | .187                   | .250               | .172      | .156                         |
| WS-0500-0189-0249    | .500               | .062                   | .250               | .189      | .249                         |
| WS-0500-0193-0031    | .500               | .031                   | .318               | .193      | .031                         |
| WS-0500-0194-0187    | .500               | .250                   | .312               | .194      | .187                         |
| WS-0500-0194-0250    | .500               | .250                   | .312               | .194      | .250                         |
| WS-2144              | .500               | .375                   | .312               | .194      | .187                         |
| WS-0500-0196-0187    | .500               | .125                   | .277               | .196      | .187                         |
| WS-0500-0250-0250-CH | .500               | .062                   | .375               | .250      | .250                         |
| WS-0500-0250-0440-CH | .500               | .060                   | .380               | .250      | .440                         |
| WS-0500-0252-0031    | .500               | .062                   | .312               | .252      | .031                         |
| WS-0500-0255-0188-CH | .500               | .031                   | .375               | .255      | .188                         |
| WS-0505-0260-0094    | .505               | .062                   | .312               | .260      | .094                         |
| WS-0510-0255-0141    | .510               | .062                   | .310               | .255      | .141                         |
| WS-0512-0250-0687    | .512               | .063                   | .388               | .250      | .687                         |
| WS-0513-0260-0141    | .513               | .062                   | .312               | .260      | .141                         |
| WS-0513-0260-0187    | .513               | .062                   | .312               | .260      | .187                         |
| WS-0513-0260-0250    | .513               | .062                   | .312               | .260      | .250                         |
| WS-0515-0260-0375    | .515               | .062                   | .311               | .260      | .375                         |
| WS-0546-0275-1000    | .546               | .063                   | .375               | .275      | 1.000                        |
| WS-0550-0255-0422    | .550               | .062                   | .372               | .255      | .422                         |
| WS-0559-0319-0236    | .559               | .098                   | .394               | .319      | .236                         |
| WS-0559-0319-0315    | .559               | .098                   | .394               | .319      | .315                         |

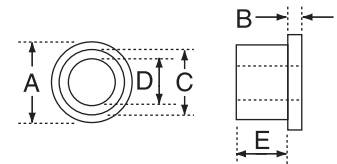
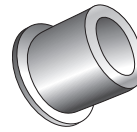
(continued)



# Washers

## Shoulder Washers (continued)

BV = BEVELED  
CH = CHAMFER  
RA = RADIUS



| Item                 | A<br>Major<br>O.D. | B<br>Head<br>Thickness | C<br>Minor<br>O.D. | D<br>I.D. | E<br>Length<br>Under<br>Head |
|----------------------|--------------------|------------------------|--------------------|-----------|------------------------------|
| WS-0559-0319-0473    | .559               | .098                   | .394               | .319      | .473                         |
| WS-0559-0319-0630    | .559               | .098                   | .394               | .319      | .630                         |
| WS-0562-0260-0060-BV | .562               | .060                   | .375               | .260      | .060                         |
| WS-0563-0380-0220    | .563               | .030                   | .440               | .380      | .220                         |
| WS-0566-0260-0065    | .566               | .090                   | .374               | .260      | .065                         |
| WS-0570-0257-0100    | .570               | .135                   | .422               | .257      | .100                         |
| WS-0581-0196-0158    | .581               | .120                   | .300               | .196      | .158                         |
| WS-0600-0250-0125    | .600               | .125                   | .370               | .250      | .125                         |
| WS-0620-0316-0150    | .620               | .060                   | .502               | .316      | .150                         |
| WS-0620-0320-0093    | .620               | .063                   | .360               | .320      | .093                         |
| WS-0620-0320-0125    | .620               | .062                   | .360               | .320      | .125                         |
| WS-0620-0320-0250    | .620               | .062                   | .360               | .320      | .250                         |
| WS-0620-0320-0375    | .620               | .062                   | .360               | .320      | .375                         |
| WS-0620-0320-0500    | .620               | .062                   | .360               | .320      | .500                         |
| WS-0620-0320-0625    | .620               | .062                   | .360               | .320      | .625                         |
| WS-0625-0252-0125    | .625               | .062                   | .343               | .252      | .125                         |
| WS-0625-0255-0187    | .625               | .062                   | .322               | .255      | .187                         |
| WS-0625-0260-0750    | .625               | .125                   | .400               | .260      | .750                         |
| WS-0625-0320-0139    | .625               | .066                   | .405               | .320      | .139                         |
| WS-0625-0380-0252    | .625               | .060                   | .504               | .380      | .252                         |
| WS-0630-0254-0187    | .630               | .062                   | .375               | .254      | .187                         |
| WS-0640-0195-0062    | .640               | .062                   | .380               | .195      | .062                         |
| WS-0640-0375-0075    | .640               | .063                   | .500               | .375      | .075                         |
| WS-0656-0382-0672    | .656               | .109                   | .531               | .382      | .672                         |
| WS-0687-0201-0060    | .687               | .060                   | .256               | .201      | .060                         |
| WS-0687-0437-0500    | .687               | .062                   | .562               | .437      | .500                         |
| WS-0693-0328-0125    | .693               | .062                   | .437               | .328      | .125                         |
| WS-0745-0375-0750    | .745               | .062                   | .500               | .375      | .750                         |
| WS-0748-0358-0118    | .748               | .059                   | .482               | .358      | .118                         |
| WS-0750-0250-0062    | .750               | .125                   | .500               | .250      | .062                         |
| WS-0750-0250-0313    | .750               | .020                   | .313               | .250      | .313                         |
| WS-0750-0250-0468    | .750               | .156                   | .375               | .250      | .468                         |
| WS-0750-0256-0101    | .750               | .150                   | .341               | .256      | .101                         |
| WS-0750-0266-0188    | .750               | .062                   | .350               | .266      | .188                         |
| WS-0750-0266-0218    | .750               | .093                   | .380               | .266      | .218                         |
| WS-0750-0280-0250    | .750               | .125                   | .500               | .280      | .250                         |
| WS-0750-0281-0094    | .750               | .093                   | .500               | .281      | .094                         |
| WS-0750-0320-0313    | .750               | .062                   | .500               | .320      | .313                         |

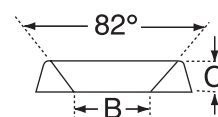
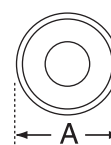
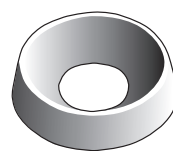
| Item                 | A<br>Major<br>O.D. | B<br>Head<br>Thickness | C<br>Minor<br>O.D. | D<br>I.D. | E<br>Length<br>Under<br>Head |
|----------------------|--------------------|------------------------|--------------------|-----------|------------------------------|
| WS-0750-0375-0125    | .750               | .062                   | .500               | .375      | .125                         |
| WS-0750-0375-0187    | .750               | .062                   | .500               | .375      | .187                         |
| WS-0750-0375-0195    | .750               | .125                   | .500               | .375      | .195                         |
| WS-0750-0375-0242    | .750               | .070                   | .496               | .375      | .242                         |
| WS-0750-0378-0245    | .750               | .078                   | .505               | .378      | .245                         |
| WS-0750-0383-0360    | .750               | .125                   | .505               | .383      | .360                         |
| WS-0750-0385-0060-BV | .750               | .060                   | .500               | .385      | .060                         |
| WS-0750-0391-0219-CH | .750               | .062                   | .500               | .391      | .219                         |
| WS-0750-0470-0174    | .750               | .066                   | .625               | .470      | .174                         |
| WS-0750-0503-0174    | .750               | .066                   | .625               | .503      | .174                         |
| WS-0760-0320-0062    | .760               | .031                   | .368               | .320      | .062                         |
| WS-0787-0323-0081    | .787               | .029                   | .400               | .323      | .081                         |
| WS-0787-0327-0157-CH | .787               | .268                   | .472               | .327      | .157                         |
| WS-0875-0190-0141    | .875               | .140                   | .343               | .190      | .141                         |
| WS-0875-0256-0156    | .875               | .031                   | .375               | .256      | .156                         |
| WS-0875-0256-0218    | .875               | .031                   | .375               | .256      | .218                         |
| WS-0875-0375-1000    | .875               | .062                   | .500               | .375      | 1.000                        |
| WS-0875-0445-0500    | .875               | .100                   | .500               | .445      | .500                         |
| WS-0875-0520-0395    | .875               | .110                   | .625               | .520      | .395                         |
| WS-0875-0385-0969-CH | .875               | .112                   | .502               | .385      | .969                         |
| WS-0880-0505-0220    | .880               | .030                   | .680               | .505      | .220                         |
| WS-0910-0515-0275    | .910               | .050                   | .780               | .515      | .275                         |
| WS-0938-0253-0170    | .938               | .125                   | .440               | .253      | .170                         |
| WS-1000-0265-0075    | 1.000              | .060                   | .425               | .265      | .075                         |
| WS-1000-0375-0195    | 1.000              | .125                   | .500               | .375      | .195                         |
| WS-1000-0390-0400    | 1.000              | .120                   | .520               | .390      | .400                         |
| WS-1000-0390-0700    | 1.000              | .120                   | .520               | .390      | .700                         |
| WS-1031-0748-0150    | 1.031              | .049                   | .811               | .748      | .150                         |
| WS-1031-0752-0250    | 1.031              | .050                   | .811               | .752      | .250                         |
| WS-1105-0515-0281    | 1.105              | .125                   | .752               | .515      | .281                         |
| WS-1120-0875-0219    | 1.120              | .132                   | .935               | .875      | .219                         |
| WS-1125-0750-0313    | 1.125              | .062                   | .875               | .750      | .313                         |
| WS-1130-0750-0313    | 1.130              | .062                   | .880               | .750      | .313                         |
| WS-1250-0437-0375    | 1.250              | .125                   | .650               | .437      | .375                         |
| WS-1250-0520-0760    | 1.250              | .120                   | .660               | .520      | .760                         |
| WS-1250-0630-0630    | 1.250              | .125                   | .730               | .630      | .630                         |
| WS-1590-0400-0185    | 1.590              | .190                   | .625               | .400      | .185                         |
| WSM-2000-1270-9000   | 20.0 MM            | 1.5 MM                 | 14.3 MM            | 12.7 MM   | 9.0 MM                       |





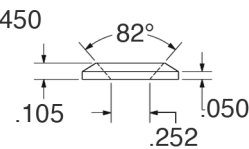
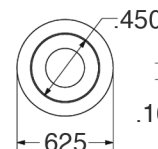
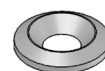
## Finishing Washers

| Item   | A    | B    | C    |
|--------|------|------|------|
| WFN-06 | .437 | .147 | .100 |
| WFN-08 | .515 | .171 | .115 |
| WFN-10 | .580 | .195 | .152 |
| WFN-12 | .609 | .227 | .160 |



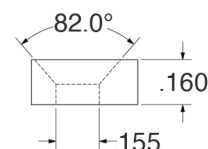
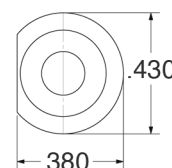
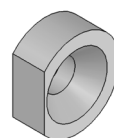
| Item                  | A    | B    | C    |
|-----------------------|------|------|------|
| WFN-25                | .683 | .260 | .183 |
| WFN-0288 (90 DEGREE)  | .360 | .142 | .070 |
| WFN-1902 (100 DEGREE) | .289 | .130 | .090 |

## Special Finish Washers



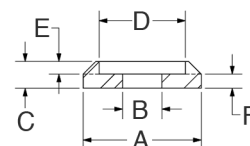
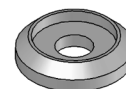
Item

WFN-0623-SP



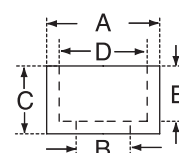
Item

WFNM-06-MOD

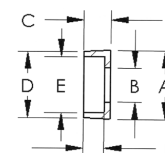


| Item        | A    | B    | C    | D    | E    | F    |
|-------------|------|------|------|------|------|------|
| WFN-06-CB   | .375 | .125 | .085 | .274 | .040 | .045 |
| WFN-0710-CB | .495 | .180 | .115 | .380 | .060 | .055 |

## Cup Washers



| Item    | A    | B    | C    | D    | E    |
|---------|------|------|------|------|------|
| WC-1928 | .365 | .172 | .218 | .281 | .180 |

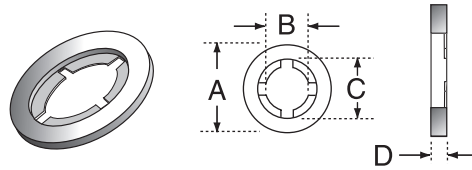


| Item    | A    | B    | C    | D    | E    | F    |
|---------|------|------|------|------|------|------|
| WC-1237 | .560 | .247 | .140 | .515 | .495 | .100 |
| WC-1435 | .502 | .248 | .197 | .490 | .405 | .152 |



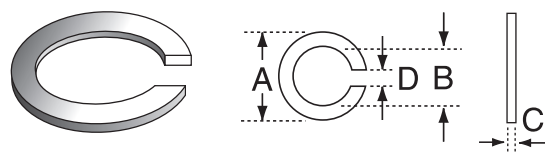
# Washers

## Retaining Washers



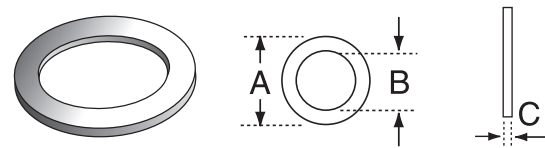
| Item                                 | Screw | A     | B    | C    | D    |
|--------------------------------------|-------|-------|------|------|------|
| WR-0203-0078-0032                    | 2     | .203  | .078 | .115 | .032 |
| WR-0203-0078-0062                    | 2     | .203  | .078 | .115 | .062 |
| WR-0230-0070-0016-SP (NO RECESS)     | 2     | .230  | .070 | .112 | .016 |
| WR-0266-0102-0032                    | 4     | .266  | .102 | .156 | .032 |
| WR-0266-0102-0062                    | 4     | .266  | .102 | .156 | .062 |
| WR-0266-0102-0125                    | 4     | .266  | .102 | .156 | .125 |
| WR-0328-0128-0032                    | 6     | .328  | .128 | .198 | .032 |
| WR-0328-0128-0062                    | 6     | .328  | .128 | .198 | .062 |
| WR-0390-0110-0032                    | 4     | .390  | .110 | .184 | .032 |
| WR-0390-0152-0062                    | 8     | .390  | .152 | .235 | .062 |
| WR-0391-0152-0032                    | 8     | .391  | .152 | .235 | .032 |
| WR-0394-0167-0030-SP (DOUBLE RECESS) | 8     | .394  | .167 | .256 | .030 |
| WR-0453-0512-0032                    | 8     | .453  | .152 | .235 | .032 |
| WR-0453-0177-0032                    | 10    | .453  | .177 | .277 | .032 |
| WR-0453-0177-0062                    | 10    | .453  | .177 | .277 | .062 |
| WR-0500-0177-0062                    | 10    | .500  | .177 | .277 | .062 |
| WR-0500-0234-0032                    | 1/4   | .500  | .234 | .344 | .032 |
| WR-0594-0234-0032                    | 1/4   | .594  | .234 | .375 | .032 |
| WR-0594-0234-0062                    | 1/4   | .594  | .234 | .375 | .062 |
| WR-0734-0292-0032                    | 5/16  | .734  | .292 | .470 | .032 |
| WR-0734-0292-0062                    | 5/16  | .734  | .292 | .470 | .062 |
| WR-0875-0250-0040-SP (NO RECESS)     | 1/4   | .875  | .250 | .435 | .040 |
| WR-0891-0350-0032                    | 3/8   | .891  | .350 | .564 | .032 |
| WR-0891-0350-0062                    | 3/8   | .891  | .350 | .564 | .062 |
| WR-1031-0410-0062                    | 7/16  | 1.031 | .410 | .570 | .062 |

## Split Flat Washers



| Item                | A     | B    | C    | D    |
|---------------------|-------|------|------|------|
| WSPL-0625-0260-0045 | .625  | .260 | .045 | .032 |
| WSPL-0750-0390-0062 | .750  | .390 | .062 | .025 |
| WSPL-1265-0875-0110 | 1.265 | .875 | .110 | .325 |
| WSPL-1265-0875-0180 | 1.265 | .875 | .180 | .325 |

## Standard Flat Washers

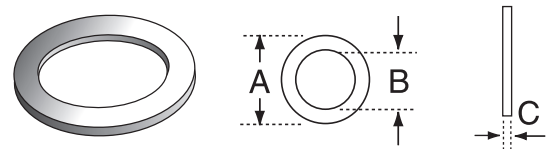


| Item              | A    | B    | C    | D    |
|-------------------|------|------|------|------|
| WF-0250-0090-0032 | .250 | .090 | .032 | 2    |
| WF-0250-0090-0062 | .250 | .090 | .062 | 2    |
| WF-0250-0090-0093 | .250 | .090 | .093 | 2    |
| WF-0250-0115-0032 | .250 | .115 | .032 | 4    |
| WF-0250-0115-0062 | .250 | .115 | .062 | 4    |
| WF-0250-0115-0093 | .250 | .115 | .093 | 4    |
| WF-0312-0140-0032 | .312 | .140 | .032 | 6    |
| WF-0312-0140-0062 | .312 | .140 | .062 | 6    |
| WF-0312-0140-0093 | .312 | .140 | .093 | 6    |
| WF-0375-0171-0032 | .375 | .171 | .032 | 8    |
| WF-0375-0171-0062 | .375 | .171 | .062 | 8    |
| WF-0375-0171-0093 | .375 | .171 | .093 | 8    |
| WF-0375-0194-0032 | .375 | .194 | .032 | 10   |
| WF-0375-0194-0062 | .375 | .194 | .062 | 10   |
| WF-0375-0194-0093 | .375 | .194 | .093 | 10   |
| WF-0500-0257-0032 | .500 | .257 | .032 | 1/4  |
| WF-0500-0257-0062 | .500 | .257 | .062 | 1/4  |
| WF-0500-0257-0093 | .500 | .257 | .093 | 1/4  |
| WF-0500-0317-0032 | .500 | .317 | .032 | 5/16 |
| WF-0500-0317-0062 | .500 | .317 | .062 | 5/16 |
| WF-0500-0317-0093 | .500 | .317 | .093 | 5/16 |
| WF-0625-0380-0032 | .625 | .380 | .032 | 3/8  |
| WF-0625-0380-0062 | .625 | .380 | .062 | 3/8  |
| WF-0625-0380-0093 | .625 | .380 | .093 | 3/8  |
| WF-0750-0443-0032 | .750 | .443 | .032 | 7/16 |
| WF-0750-0443-0062 | .750 | .443 | .062 | 7/16 |
| WF-0750-0443-0093 | .750 | .443 | .093 | 7/16 |
| WF-0750-0505-0032 | .750 | .505 | .032 | 1/2  |
| WF-0750-0505-0062 | .750 | .505 | .062 | 1/2  |
| WF-0750-0505-0093 | .750 | .505 | .093 | 1/2  |



# Washers

## Special Flat Washers



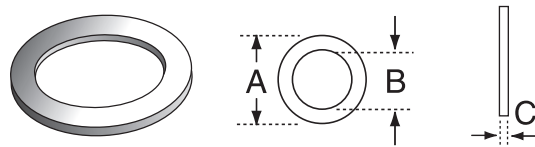
| Item              | A    | B    | C    |
|-------------------|------|------|------|
| WF-0187-0120-0100 | .187 | .120 | .100 |
| WF-0235-0145-0115 | .235 | .145 | .115 |
| WF-0250-0130-0093 | .250 | .130 | .093 |
| WF-0250-0140-0080 | .250 | .140 | .080 |
| WF-0250-0156-0093 | .250 | .156 | .093 |
| WF-0250-0175-0100 | .250 | .175 | .100 |
| WF-0251-0151-0035 | .251 | .151 | .035 |
| WF-0276-0126-0020 | .276 | .126 | .020 |
| WF-0280-0150-0108 | .280 | .150 | .108 |
| WF-0281-0140-0020 | .281 | .140 | .020 |
| WF-0285-0140-0110 | .285 | .140 | .110 |
| WF-0285-0140-0118 | .285 | .140 | .118 |
| WF-0310-0190-0032 | .310 | .190 | .032 |
| WF-0312-0063-0090 | .312 | .063 | .090 |
| WF-0312-0140-0047 | .312 | .140 | .047 |
| WF-0312-0152-0100 | .312 | .152 | .100 |
| WF-0312-0162-0062 | .312 | .162 | .062 |
| WF-0312-0187-0050 | .312 | .187 | .050 |
| WF-0315-0126-0031 | .315 | .126 | .031 |
| WF-0315-0146-0031 | .315 | .146 | .031 |
| WF-0320-0220-0032 | .320 | .220 | .032 |
| WF-0328-0118-0062 | .328 | .118 | .062 |
| WF-0354-0137-0118 | .354 | .137 | .118 |
| WF-0354-0169-0031 | .354 | .169 | .031 |
| WF-0360-0170-0045 | .360 | .170 | .045 |
| WF-0365-0150-0110 | .365 | .150 | .110 |
| WF-0370-0212-0123 | .370 | .212 | .123 |
| WF-0370-0218-0070 | .370 | .218 | .070 |
| WF-0375-0141-0032 | .375 | .141 | .032 |
| WF-0375-0187-0032 | .375 | .187 | .032 |
| WF-0375-0200-0093 | .375 | .200 | .093 |
| WF-0375-0219-0060 | .375 | .219 | .060 |
| WF-0375-0228-0118 | .375 | .228 | .118 |
| WF-0375-0253-0084 | .375 | .253 | .084 |
| WF-0375-0255-0115 | .375 | .255 | .115 |
| WF-0409-0281-0078 | .409 | .281 | .078 |
| WF-0415-0225-0050 | .415 | .225 | .050 |
| WF-0433-0244-0039 | .433 | .244 | .039 |
| WF-0435-0250-0094 | .435 | .250 | .094 |
| WF-0437-0147-0062 | .437 | .147 | .062 |
| WF-0437-0182-0032 | .437 | .182 | .032 |
| WF-0437-0200-0032 | .437 | .200 | .032 |
| WF-0437-0200-0062 | .437 | .200 | .062 |
| WF-0437-0203-0038 | .437 | .203 | .038 |
| WF-0437-0223-0080 | .437 | .223 | .080 |
| WF-0445-0290-0033 | .445 | .290 | .033 |
| WF-0450-0200-0048 | .450 | .200 | .048 |
| WF-0457-0182-0032 | .457 | .182 | .032 |
| WF-0468-0252-0031 | .468 | .252 | .031 |
| WF-0472-0252-0059 | .472 | .252 | .059 |

| Item              | A    | B    | C    |
|-------------------|------|------|------|
| WF-0500-0124-0100 | .500 | .124 | .100 |
| WF-0500-0165-0075 | .500 | .165 | .075 |
| WF-0500-0187-0093 | .500 | .187 | .093 |
| WF-0500-0188-0062 | .500 | .188 | .062 |
| WF-0500-0231-0031 | .500 | .231 | .031 |
| WF-0500-0255-0075 | .500 | .255 | .075 |
| WF-0500-0343-0062 | .500 | .343 | .062 |
| WF-0528-0375-0080 | .528 | .375 | .080 |
| WF-0540-0405-0112 | .540 | .405 | .112 |
| WF-0551-0433-0059 | .551 | .433 | .059 |
| WF-0555-0255-0047 | .555 | .255 | .047 |
| WF-0562-0203-0062 | .562 | .203 | .062 |
| WF-0562-0250-0031 | .562 | .250 | .031 |
| WF-0562-0255-0093 | .562 | .255 | .093 |
| WF-0562-0328-0062 | .562 | .328 | .062 |
| WF-0577-0258-0063 | .577 | .258 | .063 |
| WF-0586-0318-0029 | .586 | .318 | .029 |
| WF-0591-0256-0087 | .591 | .256 | .087 |
| WF-0614-0248-0075 | .614 | .248 | .075 |
| WF-0620-0187-0062 | .620 | .187 | .062 |
| WF-0620-0375-0062 | .620 | .375 | .062 |
| WF-0625-0187-0042 | .625 | .187 | .042 |
| WF-0625-0200-0062 | .625 | .200 | .062 |
| WF-0625-0212-0031 | .625 | .212 | .031 |
| WF-0625-0218-0062 | .625 | .218 | .062 |
| WF-0625-0257-0062 | .625 | .257 | .062 |
| WF-0625-0265-0060 | .625 | .265 | .060 |
| WF-0625-0265-0093 | .625 | .265 | .093 |
| WF-0625-0280-0030 | .625 | .280 | .030 |
| WF-0625-0281-0115 | .625 | .281 | .115 |
| WF-0625-0312-0062 | .625 | .312 | .062 |
| WF-0625-0360-0045 | .625 | .360 | .045 |
| WF-0625-0360-0062 | .625 | .360 | .062 |
| WF-0625-0484-0062 | .625 | .484 | .062 |
| WF-0626-0169-0032 | .626 | .169 | .032 |
| WF-0626-0405-0036 | .626 | .405 | .036 |
| WF-0645-0377-0064 | .645 | .377 | .064 |
| WF-0664-0340-0080 | .664 | .340 | .080 |
| WF-0671-0497-0031 | .671 | .497 | .031 |
| WF-0680-0390-0032 | .680 | .390 | .032 |
| WF-0687-0260-0040 | .687 | .260 | .040 |
| WF-0687-0260-0060 | .687 | .260 | .060 |
| WF-0687-0340-0060 | .687 | .340 | .060 |
| WF-0709-0331-0079 | .709 | .331 | .079 |
| WF-0709-0335-0039 | .709 | .335 | .039 |
| WF-0709-0498-0100 | .709 | .498 | .100 |
| WF-0719-0250-0062 | .719 | .250 | .062 |
| WF-0728-0230-0078 | .728 | .230 | .078 |
| WF-0738-0281-0062 | .738 | .281 | .062 |
| WF-0745-0260-0066 | .745 | .260 | .066 |

(continued)



## Special Flat Washers (continued)



| Item              | A     | B    | C    |
|-------------------|-------|------|------|
| WF-0750-0175-0100 | .750  | .175 | .100 |
| WF-0750-0193-0040 | .750  | .193 | .040 |
| WF-0750-0250-0093 | .750  | .250 | .093 |
| WF-0750-0257-0062 | .750  | .257 | .062 |
| WF-0750-0317-0040 | .750  | .317 | .040 |
| WF-0750-0318-0062 | .750  | .318 | .062 |
| WF-0750-0344-0062 | .750  | .344 | .062 |
| WF-0750-0352-0031 | .750  | .352 | .031 |
| WF-0750-0380-0062 | .750  | .380 | .062 |
| WF-0750-0380-0093 | .750  | .380 | .093 |
| WF-0750-0390-0062 | .750  | .390 | .062 |
| WF-0750-0500-0093 | .750  | .500 | .093 |
| WF-0755-0392-0123 | .755  | .392 | .123 |
| WF-0780-0505-0062 | .780  | .505 | .062 |
| WF-0780-0625-0032 | .780  | .625 | .032 |
| WF-0787-0317-0039 | .787  | .317 | .039 |
| WF-0787-0571-0031 | .787  | .571 | .031 |
| WF-0812-0406-0062 | .812  | .406 | .062 |
| WF-0812-0565-0093 | .812  | .565 | .093 |
| WF-0820-0430-0035 | .820  | .430 | .035 |
| WF-0860-0640-0120 | .860  | .640 | .120 |
| WF-0866-0394-0062 | .866  | .394 | .062 |
| WF-0866-0413-0098 | .866  | .413 | .098 |
| WF-0875-0257-0031 | .875  | .257 | .031 |
| WF-0875-0257-0062 | .875  | .257 | .062 |
| WF-0875-0265-0093 | .875  | .265 | .093 |
| WF-0875-0315-0062 | .872  | .315 | .062 |
| WF-0875-0320-0070 | .875  | .320 | .070 |
| WF-0875-0343-0062 | .875  | .343 | .062 |
| WF-0875-0377-0062 | .875  | .377 | .062 |
| WF-0875-0380-0093 | .875  | .380 | .093 |
| WF-0875-0390-0062 | .875  | .390 | .062 |
| WF-0875-0408-0060 | .875  | .408 | .060 |
| WF-0885-0190-0062 | .885  | .190 | .062 |
| WF-0900-0375-0062 | .900  | .375 | .062 |
| WF-0900-0510-0075 | .900  | .510 | .075 |
| WF-0937-0625-0093 | .937  | .625 | .093 |
| WF-0944-0331-0098 | .944  | .331 | .098 |
| WF-0945-0512-0098 | .945  | .512 | .098 |
| WF-0945-0551-0079 | .945  | .551 | .079 |
| WF-0945-0612-0062 | .945  | .612 | .062 |
| WF-0963-0763-0035 | .963  | .763 | .035 |
| WF-0980-0600-0060 | .980  | .600 | .060 |
| WF-1000-0156-0062 | 1.000 | .156 | .062 |
| WF-1000-0275-0062 | 1.000 | .275 | .062 |
| WF-1000-0312-0070 | 1.000 | .312 | .070 |
| WF-1000-0406-0075 | 1.000 | .406 | .075 |
| WF-1000-0411-0062 | 1.000 | .411 | .062 |
| WF-1000-0415-0093 | 1.000 | .415 | .093 |

| Item              | A     | B     | C    |
|-------------------|-------|-------|------|
| WF-1000-0500-0031 | 1.000 | .500  | .031 |
| WF-1000-0508-0062 | 1.000 | .508  | .062 |
| WF-1000-0531-0060 | 1.000 | .531  | .060 |
| WF-1000-0578-0079 | 1.000 | .578  | .079 |
| WF-1000-0625-0062 | 1.000 | .625  | .062 |
| WF-1000-0632-0076 | 1.000 | .632  | .076 |
| WF-1000-0750-0060 | 1.000 | .750  | .060 |
| WF-1005-0406-0080 | 1.005 | .406  | .080 |
| WF-1006-0189-0064 | 1.006 | .189  | .064 |
| WF-1010-0415-0035 | 1.010 | .415  | .035 |
| WF-1125-0500-0062 | 1.125 | .500  | .062 |
| WF-1125-0500-0122 | 1.125 | .500  | .122 |
| WF-1145-0565-0093 | 1.145 | .565  | .093 |
| WF-1181-0591-0039 | 1.181 | .591  | .039 |
| WF-1187-0322-0080 | 1.187 | .322  | .080 |
| WF-1190-0200-0050 | 1.190 | .200  | .050 |
| WF-1190-0218-0031 | 1.190 | .218  | .031 |
| WF-1235-0365-0110 | 1.235 | .365  | .110 |
| WF-1250-0260-0060 | 1.250 | .260  | .060 |
| WF-1250-0260-0095 | 1.250 | .260  | .095 |
| WF-1250-0281-0062 | 1.250 | .281  | .062 |
| WF-1250-0390-0080 | 1.250 | .390  | .080 |
| WF-1250-0500-0062 | 1.250 | .500  | .062 |
| WF-1250-0516-0062 | 1.250 | .516  | .062 |
| WF-1250-0531-0093 | 1.250 | .531  | .093 |
| WF-1250-0562-0060 | 1.250 | .562  | .060 |
| WF-1250-0625-0062 | 1.250 | .625  | .062 |
| WF-1250-0765-0080 | 1.250 | .765  | .080 |
| WF-1250-0805-0060 | 1.250 | .805  | .060 |
| WF-1250-0886-0060 | 1.250 | .886  | .060 |
| WF-1250-0886-0105 | 1.250 | .886  | .105 |
| WF-1250-1000-0062 | 1.250 | 1.000 | .062 |
| WF-1260-0390-0062 | 1.260 | .390  | .062 |
| WF-1310-0500-0120 | 1.310 | .500  | .120 |
| WF-1310-0645-0120 | 1.310 | .645  | .120 |
| WF-1310-0750-0120 | 1.310 | .750  | .120 |
| WF-1375-0187-0062 | 1.375 | .187  | .062 |
| WF-1375-0500-0062 | 1.375 | .500  | .062 |
| WF-1500-0188-0068 | 1.500 | .188  | .068 |
| WF-1500-0203-0068 | 1.500 | .203  | .068 |
| WF-1500-0312-0062 | 1.500 | .312  | .062 |
| WF-1500-0390-0060 | 1.500 | .390  | .060 |
| WF-1500-0484-0062 | 1.500 | .484  | .062 |
| WF-1500-1000-0093 | 1.500 | 1.000 | .093 |
| WF-1500-1012-0080 | 1.500 | 1.012 | .080 |
| WF-1625-1375-0110 | 1.625 | 1.375 | .110 |
| WF-1906-1500-0093 | 1.906 | 1.500 | .093 |
| WF-1937-1281-0062 | 1.937 | 1.281 | .062 |



# DECIMAL EQUIVALENT AND TAP DRILL SIZES

| FRACTION OR<br>DRILL SIZES | DECIMAL<br>EQUIVALENT | TAP<br>SIZE | FRACTION OR<br>DRILL SIZES | DECIMAL<br>EQUIVALENT | TAP<br>SIZE | FRACTION OR<br>DRILL SIZES                                                                                                                                                                                                                                                                                                                                          | DECIMAL<br>EQUIVALENT | TAP<br>SIZE |
|----------------------------|-----------------------|-------------|----------------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|
| 80                         | .0135                 |             | 27                         | .1440                 |             | 3/8                                                                                                                                                                                                                                                                                                                                                                 | .3750                 |             |
| 79                         | .0145                 |             | 26                         | .1470                 |             | V                                                                                                                                                                                                                                                                                                                                                                   | .3770                 |             |
| 1/64                       | .0156                 |             | 25                         | .1495                 | 10-24       | W                                                                                                                                                                                                                                                                                                                                                                   | .3860                 |             |
| 78                         | .0160                 |             | 24                         | .1520                 |             | 25/64                                                                                                                                                                                                                                                                                                                                                               | .3906                 | 7/16-20     |
| 77                         | .0180                 |             | 23                         | .1540                 |             | X                                                                                                                                                                                                                                                                                                                                                                   | .3970                 |             |
| 76                         | .0200                 |             | 5/32                       | .1562                 |             | Y                                                                                                                                                                                                                                                                                                                                                                   | .4040                 |             |
| 75                         | .0210                 |             | 22                         | .1570                 |             | 13/32                                                                                                                                                                                                                                                                                                                                                               | .4060                 |             |
| 74                         | .0225                 |             | 21                         | .1580                 |             | Z                                                                                                                                                                                                                                                                                                                                                                   | .4130                 |             |
| 73                         | .0240                 |             | 20                         | .1610                 |             | 27/64                                                                                                                                                                                                                                                                                                                                                               | .4219                 | 1/2-13      |
| 72                         | .0250                 |             | 19                         | .1660                 |             | 7/16                                                                                                                                                                                                                                                                                                                                                                | .4375                 |             |
| 71                         | .0260                 |             | 18                         | .1695                 |             | 29/64                                                                                                                                                                                                                                                                                                                                                               | .4531                 | 1/2-20      |
| 70                         | .0280                 |             | 11/64                      | .1719                 |             | 15/32                                                                                                                                                                                                                                                                                                                                                               | .4687                 |             |
| 69                         | .0292                 |             | 17                         | .1730                 |             | 31/64                                                                                                                                                                                                                                                                                                                                                               | .4844                 | 9/16-12     |
| 68                         | .0310                 |             | 16                         | .1770                 | 12-24       | 1/2                                                                                                                                                                                                                                                                                                                                                                 | .5000                 |             |
| 1/32                       | .0312                 |             | 15                         | .1800                 |             | 33/64                                                                                                                                                                                                                                                                                                                                                               | .5156                 | 9/16-18     |
| 67                         | .0320                 |             | 14                         | .1820                 | 12-28       | 17/32                                                                                                                                                                                                                                                                                                                                                               | .5312                 | 5/8-11      |
| 66                         | .0330                 |             | 13                         | .1850                 | 12-32       | 35/64                                                                                                                                                                                                                                                                                                                                                               | .5469                 |             |
| 65                         | .0350                 |             | 3/16                       | .1875                 |             | 9/16                                                                                                                                                                                                                                                                                                                                                                | .5625                 |             |
| 64                         | .0360                 |             | 12                         | .1890                 |             | 37/64                                                                                                                                                                                                                                                                                                                                                               | .5781                 | 5/8-18      |
| 63                         | .0370                 |             | 11                         | .1910                 |             | 19/32                                                                                                                                                                                                                                                                                                                                                               | .5937                 |             |
| 62                         | .0380                 |             | 10                         | .1935                 |             | 39/64                                                                                                                                                                                                                                                                                                                                                               | .6094                 | 11/16-11    |
| 61                         | .0390                 |             | 9                          | .1960                 |             | 5/8                                                                                                                                                                                                                                                                                                                                                                 | .6250                 | 11/16-16    |
| 60                         | .0400                 |             | 8                          | .1990                 |             | 41/64                                                                                                                                                                                                                                                                                                                                                               | .6406                 |             |
| 59                         | .0410                 |             | 7                          | .2010                 | 1/4-20      | 21/32                                                                                                                                                                                                                                                                                                                                                               | .6562                 | 3/4-10      |
| 58                         | .0420                 |             | 13/64                      | .2031                 |             | 43/64                                                                                                                                                                                                                                                                                                                                                               | .6719                 |             |
| 57                         | .0430                 |             | 6                          | .2040                 |             | 11/16                                                                                                                                                                                                                                                                                                                                                               | .6875                 | 3/4-16      |
| 56                         | .0465                 |             | 5                          | .2055                 |             | 45/64                                                                                                                                                                                                                                                                                                                                                               | .7031                 |             |
| 3/64                       | .0469                 | 0-80        | 4                          | .2090                 |             | 23/32                                                                                                                                                                                                                                                                                                                                                               | .7187                 |             |
| 55                         | .0520                 |             | 3                          | .2130                 | 1/4-28      | 47/64                                                                                                                                                                                                                                                                                                                                                               | .7344                 |             |
| 54                         | .0550                 | 1-56        | 7/32                       | .2187                 |             | 3/4                                                                                                                                                                                                                                                                                                                                                                 | .7500                 |             |
| 53                         | .0590                 | 1-64, 72    | 2                          | .2210                 |             | 49/64                                                                                                                                                                                                                                                                                                                                                               | .7656                 | 7/8-9       |
| 1/16                       | .0625                 |             | 1                          | .2280                 |             | 25/32                                                                                                                                                                                                                                                                                                                                                               | .7812                 |             |
| 52                         | .0635                 |             | A                          | .2340                 |             | 51/64                                                                                                                                                                                                                                                                                                                                                               | .7969                 |             |
| 51                         | .0670                 |             | 15/64                      | .2344                 |             | 13/16                                                                                                                                                                                                                                                                                                                                                               | .8125                 | 7/8-14      |
| 50                         | .0700                 | 2-56, 64    | B                          | .2380                 |             | 53/64                                                                                                                                                                                                                                                                                                                                                               | .8281                 |             |
| 49                         | .0730                 |             | C                          | .2420                 |             | 27/32                                                                                                                                                                                                                                                                                                                                                               | .8437                 |             |
| 48                         | .0760                 |             | D                          | .2460                 |             | 55/64                                                                                                                                                                                                                                                                                                                                                               | .8594                 |             |
| 5/64                       | .0781                 |             | 1/4                        | .2500                 |             | 7/8                                                                                                                                                                                                                                                                                                                                                                 | .8750                 | 1-8         |
| 47                         | .0785                 | 3-48        | F                          | .2570                 | 5/16-18     | 57/64                                                                                                                                                                                                                                                                                                                                                               | .8906                 |             |
| 46                         | .0810                 |             | G                          | .2610                 |             | 29/32                                                                                                                                                                                                                                                                                                                                                               | .9062                 |             |
| 45                         | .0820                 | 3-56, 4-32  | 17/64                      | .2656                 |             | 59/64                                                                                                                                                                                                                                                                                                                                                               | .9219                 | 1-12        |
| 44                         | .0860                 | 4-38        | H                          | .2660                 |             | 15/16                                                                                                                                                                                                                                                                                                                                                               | .9375                 | 1-14        |
| 43                         | .0890                 | 4-40        | I                          | .2720                 | 5/16-24     | 61/64                                                                                                                                                                                                                                                                                                                                                               | .9531                 |             |
| 42                         | .0935                 | 4-48        | J                          | .2770                 |             | 31/32                                                                                                                                                                                                                                                                                                                                                               | .9687                 |             |
| 3/32                       | .0937                 |             | K                          | .2810                 |             | 63/64                                                                                                                                                                                                                                                                                                                                                               | .9844                 | 1 1/8-7     |
| 41                         | .0960                 |             | 9/32                       | .2812                 |             | 1                                                                                                                                                                                                                                                                                                                                                                   | 1.00                  |             |
| 40                         | .0980                 |             | L                          | .2900                 |             | <b>PIPE THREAD SIZES</b><br>THREAD      DRILL<br>1/8 - 27      R<br>1/4 - 18      7/16<br>3/8 - 18      37/64<br>1/2 - 14      23/32<br>3/4 - 14      59/64<br>1 - 11-1/2      1-5/32<br>1-1/4 - 11-1/2      1-1/2<br>1-1/2 - 11-1/2      1-47/64<br>2 - 11-1/2      2-7/32<br>2-1/2 - 8      2-5/8<br>3 - 8      3-1/4<br>3-1/2 - 8      3-3/4<br>4 - 8      4-1/4 |                       |             |
| 39                         | .0995                 |             | M                          | .2950                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 38                         | .1015                 | 5-40        | 19/64                      | .2969                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 37                         | .1040                 | 5-44        | N                          | .3020                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 36                         | .1065                 | 6-32        | 5/16                       | .3125                 | 3/8-16      |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 7/64                       | .1094                 |             | O                          | .3160                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 35                         | .1100                 |             | P                          | .3230                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 34                         | .1110                 | 6-36        | 21/64                      | .3281                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 33                         | .1130                 | 6-40        | Q                          | .3320                 | 3/8-24      |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 32                         | .1160                 |             | R                          | .3390                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 31                         | .1200                 |             | 11/32                      | .3437                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 1/8                        | .1250                 |             | S                          | .3480                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 30                         | .1285                 |             | T                          | .3580                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 29                         | .1360                 | 8-32, 36    | 23/64                      | .3594                 |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 28                         | .1405                 | 8-40        | U                          | .3680                 | 7/16-14     |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |
| 9/64                       | .1406                 |             |                            |                       |             |                                                                                                                                                                                                                                                                                                                                                                     |                       |             |



# FRACTION, DECIMAL AND METRIC CONVERSION CHART 0 - 1"

| FRACTIONS | DECIMALS | MILLIMETERS |
|-----------|----------|-------------|
| 1/64      | .015625  | 0.397       |
| 1/32      | .03125   | 0.794       |
| 1/16      | .0625    | 1.191       |
| 3/64      | .046875  | 1.588       |
| 5/64      | .078125  | 1.984       |
| 3/32      | .09375   | 2.381       |
| 7/64      | .109375  | 2.778       |
| 1/8       | .1250    | 3.175       |
| 9/64      | .140625  | 3.572       |
| 5/32      | .15625   | 3.969       |
| 11/64     | .17185   | 4.366       |
| 3/16      | .1875    | 4.763       |
| 13/64     | .203125  | 5.159       |
| 7/32      | .21875   | 5.556       |
| 15/64     | .234375  | 5.953       |
| 1/4       | .2500    | 6.350       |
| 17/64     | .265625  | 6.747       |
| 9/32      | .28125   | 7.144       |
| 19/64     | .296875  | 7.541       |
| 5/16      | .3125    | 7.938       |

| FRACTIONS | DECIMALS | MILLIMETERS |
|-----------|----------|-------------|
| 21/64     | .328125  | 8.334       |
| 11/32     | .34375   | 8.731       |
| 23/64     | .359375  | 9.128       |
| 3/8       | .3750    | 9.525       |
| 25/64     | .390625  | 9.922       |
| 13/32     | .40625   | 10.319      |
| 27/64     | .421875  | 10.716      |
| 7/16      | .4375    | 11.113      |
| 29/64     | .453125  | 11.509      |
| 15/32     | .46875   | 11.906      |
| 31/64     | .484375  | 12.303      |
| 1/2       | .5000    | 12.700      |
| 33/64     | .515625  | 13.097      |
| 17/32     | .53125   | 13.494      |
| 35/64     | .546875  | 13.891      |
| 9/16      | .5625    | 14.288      |
| 37/64     | .578125  | 14.684      |
| 19/32     | .59375   | 15.081      |
| 39/64     | .609375  | 15.475      |
| 5/8       | .6250    | 15.875      |

| FRACTIONS | DECIMALS | MILLIMETERS |
|-----------|----------|-------------|
| 41/64     | .640625  | 16.272      |
| 21/32     | .65625   | 16.669      |
| 43/64     | .671875  | 17.066      |
| 11/16     | .6875    | 17.463      |
| 45/64     | .703125  | 17.859      |
| 23/32     | .71875   | 18.256      |
| 47/64     | .734375  | 18.653      |
| 3/4       | .7500    | 19.050      |
| 49/64     | .765625  | 19.447      |
| 25/32     | .78125   | 19.844      |
| 51/64     | .796875  | 20.241      |
| 13/16     | .8125    | 20.638      |
| 53/64     | .828125  | 21.034      |
| 27/32     | .84375   | 21.431      |
| 55/64     | .859375  | 21.828      |
| 7/8       | .8750    | 22.225      |
| 57/64     | .890625  | 22.622      |
| 15/16     | .9375    | 23.813      |
| 1         | 1.00     | 25.400      |

# INCHES TO MILLIMETER CONVERSION CHART 0 - 66"

| in.   | mm.    | in. | mm.   | in. | mm.    | in. | mm.    | in. | mm.    |
|-------|--------|-----|-------|-----|--------|-----|--------|-----|--------|
| 0.001 | 0.0254 | 1   | 25.4  | 28  | 711.2  | 41  | 1041.4 | 54  | 1371.6 |
| 0.002 | 0.0508 | 2   | 50.8  | 29  | 736.6  | 42  | 1066.8 | 55  | 1397.0 |
| 0.003 | 0.0762 | 3   | 76.2  | 30  | 762.0  | 43  | 1092.2 | 56  | 1422.4 |
| 0.004 | 0.1016 | 4   | 101.6 | 31  | 787.4  | 44  | 1117.6 | 57  | 1447.8 |
| 0.005 | 0.1270 | 5   | 127.0 | 32  | 812.8  | 45  | 1143.0 | 58  | 1473.2 |
| 0.006 | 0.1524 | 6   | 152.4 | 33  | 838.2  | 46  | 1168.4 | 59  | 1498.6 |
| 0.007 | 0.1778 | 7   | 177.8 | 34  | 863.6  | 47  | 1193.8 | 60  | 1524.0 |
| 0.008 | 0.2032 | 8   | 203.2 | 35  | 889.0  | 48  | 1219.2 | 61  | 1549.4 |
| 0.009 | 0.2286 | 9   | 228.6 | 36  | 914.4  | 49  | 1244.6 | 62  | 1574.8 |
| 0.01  | 0.254  | 10  | 254.0 | 37  | 936.8  | 50  | 1270.0 | 63  | 1600.2 |
| 0.02  | 0.508  | 11  | 279.4 | 38  | 965.2  | 51  | 1295.4 | 64  | 1625.6 |
| 0.03  | 0.762  | 12  | 304.8 | 39  | 990.6  | 52  | 1320.8 | 65  | 1651.0 |
| 0.04  | 1.016  | 13  | 330.2 | 40  | 1016.0 | 53  | 1346.2 | 66  | 1676.4 |
| 0.05  | 1.270  | 14  | 355.6 |     |        |     |        |     |        |
| 0.06  | 1.524  | 15  | 381.0 |     |        |     |        |     |        |
| 0.07  | 1.778  | 16  | 406.4 |     |        |     |        |     |        |
| 0.08  | 2.032  | 17  | 431.8 |     |        |     |        |     |        |
| 0.09  | 2.286  | 18  | 457.2 |     |        |     |        |     |        |
| 0.1   | 2.54   | 19  | 482.6 |     |        |     |        |     |        |
| 0.2   | 5.08   | 20  | 508.0 |     |        |     |        |     |        |
| 0.3   | 7.62   | 21  | 533.4 |     |        |     |        |     |        |
| 0.4   | 10.16  | 22  | 558.8 |     |        |     |        |     |        |
| 0.5   | 12.70  | 23  | 584.2 |     |        |     |        |     |        |
| 0.6   | 15.24  | 24  | 609.6 |     |        |     |        |     |        |
| 0.7   | 17.78  | 25  | 635.0 |     |        |     |        |     |        |
| 0.8   | 20.32  | 26  | 660.4 |     |        |     |        |     |        |
| 0.9   | 22.86  | 27  | 685.8 |     |        |     |        |     |        |

**Easy To Use  
Fraction,  
Decimal,  
and Metric  
Conversion  
Charts**

| Multiply By | From                   | To                      | Multiply By |
|-------------|------------------------|-------------------------|-------------|
| 0.03937     | inch                   | millimeter              | 25.4        |
| 0.0016      | inch <sup>2</sup>      | millimeter <sup>2</sup> | 645.16      |
| 0.061       | inch <sup>3</sup>      | centimeter <sup>3</sup> | 16.3871     |
| 0.2642      | gal. (U.S.)            | liter                   | 3.7845      |
| 0.03527     | oz. (AVDP)             | gram                    | 28.3495     |
| 2.2044      | pound                  | kilogram                | 0.4536      |
| 62.43       | lbs. / ft <sup>2</sup> | g / cm <sup>3</sup>     | 0.0160      |
| 1.8° C      | °F                     | °C                      | (°F-32)/1.8 |
| 0.145       | psi                    | kPa                     | 6.8948      |
| 14.2247     | psi                    | kg / cm <sup>2</sup>    | 0.0703      |





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## Notes

[illegible]



