



# THE NUT PLACE

6605 N. Gessner Houston, TX 77040-4015

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## SOCKET HEADS

### AVAILABLE TYPES

Socket head fasteners are a type of screw that has a hexagonal recess in the head. This recess allows the screw to be driven with an Allen wrench, or hex key. They are available in a wide variety of types, sizes, and materials, making them suitable for a wide range of applications. The four main types are:

- Allen Head Socket
- Button Head Socket
- Flat Head Socket
- Set Screw

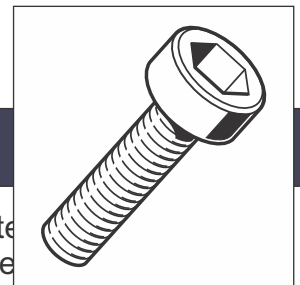
Additionally, our warehouse contains other types like the Socket Shoulder bolt and the low-head socket which is sometimes called a low profile socket.

Our warehouse is filled with industrial socket head fasteners in standard and metric. We have them in alloy and stainless.

Socket head fasteners are one of the strongest types of threaded fasteners available. They are typically made of high-strength alloy steel and are heat treated to further increase their strength and durability. Socket head fasteners are also designed to withstand high torque loads, making them ideal for demanding applications.

## ALLEN HEAD SOCKET

A 304 stainless steel bolt is a type of fastener made from an austenitic stainless steel that contains 18% chromium and 8% nickel. It is the most common type of stainless steel bolt known for its excellent corrosion resistance, strength, and ductility.



Hardness RC 38-43  
ASME/ANSI B18.3  
ASTM A574  
Heat Treated Alloy Steel

Din 912 ISO 898-1  
12.9 ALLOY STEEL

ASME/ANSI B 18.3  
ASTM F837  
304 STAINLESS

ASME/ANSI B18.3  
ASTM F837-980  
316 STAINLESS

### Fastener Finishes

Bolts are available with different finishes like zinc, galvanized, xylan, cad or just plain black. If you need to be supplied with another finish, then call or email us. We can provide finishes to your specification.



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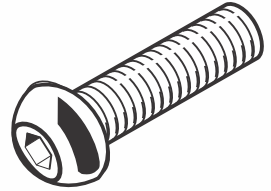
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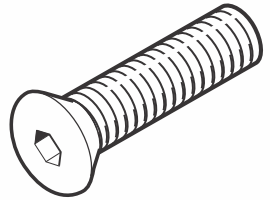
## BUTTON HEAD SOCKET

In industrial equipment, button head socket head fasteners are known by their rounded, smooth head in the shape of the Astrodome roof. These fasteners are able to withstand the high torque and shear loads associated with industrial applications. Stocked in plain black and various stainless grades.



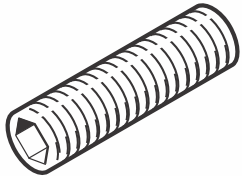
## FLAT HEAD SOCKET

Flat heads are flat on top and beveled under the head and are commonly used in machine fixtures where any protrusion from the surface would be, should we say, counter-productive ( a little counter-sink humor there.) Stocked in plain black and various stainless grades.



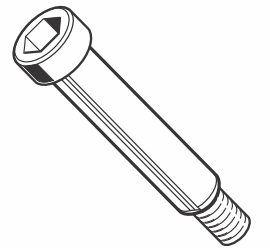
## SOCKET SET SCREW

Set screws are commonly found in pulleys and axle shafts, but never in sprinkle pins or trunion rotating mandibulators. Of all the socket types, set screws are headless so that it can rest flush or just below the surface of the work piece. Stocked in plain black and various stainless grades.



## SOCKET SHOULDER

The most noticeable characteristic of a socket shoulder bolt is its socket head and its cylindrical shoulder. The shoulder has the ability to allow the rotation of attached parts. Stocked in plain black with a black oxide finish.



## LOW HEAD SOCKET

The low head is like a regular Allen head socket but deigned with a low head height. This makes them ideal for applications where space is limited. Stocked in plain black with a black oxide finish.



*We look forward to helping you with your next project!*

### Technical Data

We can provide your company with a Technical Guide that contains more specific information about mechanical qualities, composition, and strength.