**Fastener Categories**

**Wood Screws**
Screws with a smooth shank and tapered point for use in wood. Abbreviated WS.

**Machine Screws**
Screws with threads for use with a nut or tapped hole. Abbreviated MS.

**Thread Cutting Machine Screws**
Machine screws with a thread cutting (self tapping) point.

**Sheet Metal Screws**
Fully threaded screws with a point for use in sheet metal. Abbreviated SMS.

**Self Drilling SMS**
A sheet metal screw with a self drilling point.

**Hex Bolts**
Bolts with a hexagonal head with threads for use with a nut or tapped hole. Abbreviated HHMB or HXBT.

**Carriage Bolts**
Bolts with a smooth rounded head that has a small square section underneath.

**Plow Bolts**
Similar to carriage bolts but used for attaching the cutting edge of a plow to the plow blade.

**Socket Screws**
Socket screws, also known as Allen Head, are fastened with a hex Allen wrench.

**Lag Bolts**
Bolts with a wood thread and pointed tip. Abbreviated Lag.

**Eye Bolts**
A bolt with a circular ring on the head end. Used for attaching a rope or chain.

**Eye Lags**
Similar to an eye bolt but with wood threads instead of machine thread.

**J-Bolts**
J shaped bolts are used for tie-downs or as an open eye bolt.

**U-Bolts**
Bolts in U shape for attaching to pipe or other round surfaces. Also available with a square bend.

**Shoulder Bolts**
Shoulder bolts (also known as stripper bolts) are used to create a pivot point.

**Elevator Bolts**
Elevator bolts are often used in conveyor systems. They have a large, flat head.
**Head Styles**

**Flat**
- A countersunk head with a flat top.
  Abbreviated FH

**Oval**
- A countersunk head with a rounded top.
  Abbreviated OH or OV

**Pan**
- A slightly rounded head with short vertical sides.
  Abbreviated PN

**Truss**
- An extra wide head with a rounded top.

**Round**
- A domed head.
  Abbreviated RH

**Hex**
- A hexagonal head.
  Abbreviated HH or HX

**Hex Washer**
- A hex head with built in washer.

**Slotted Hex Washer**
- A hex head with built in washer and a slot.

**Button**
- A low-profile rounded head using a socket drive.

**Socket Cap**
- A small cylindrical head using a socket drive.
### Washer Types

<table>
<thead>
<tr>
<th>Washer Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat</td>
<td>A flat washer, used to distribute load. Available in SAE, USS and other patterns.</td>
</tr>
<tr>
<td>Fender</td>
<td>An oversize flat washer used to further distribute load especially on soft materials.</td>
</tr>
<tr>
<td>Finishing</td>
<td>A washer used to obtain a 'finished' look. Usually used with oval head screws.</td>
</tr>
<tr>
<td>Split Lock</td>
<td>The most common style of washer used to prevent nuts and bolts from backing out.</td>
</tr>
<tr>
<td>External Tooth Lock</td>
<td>A washer with external 'teeth'. Used to prevent nuts and bolts from backing out.</td>
</tr>
<tr>
<td>Internal Tooth Lock</td>
<td>A washer with internal 'teeth'. Used to prevent nuts and bolts from backing out.</td>
</tr>
<tr>
<td>Square</td>
<td>A square shaped washer.</td>
</tr>
<tr>
<td>Ogee</td>
<td>Thick, large diameter, cast iron washers with a curved or sculpted appearance. Typically used in dock and wood construction.</td>
</tr>
</tbody>
</table>

### Drive Types

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<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phillips and Frearson</td>
<td>An X-shaped drive. Abbreviated PH.</td>
</tr>
<tr>
<td>Slotted</td>
<td>A slot in the head. Abbreviated SL.</td>
</tr>
<tr>
<td>Combination</td>
<td>A combination of slotted and Phillips drives. Abbreviated combo.</td>
</tr>
<tr>
<td>Socket, Hex or Allen</td>
<td>A hexagonal hole for use with an Allen wrench.</td>
</tr>
<tr>
<td>One Way</td>
<td>Installs with a normal slotted driver but can not be removed without special tools.</td>
</tr>
<tr>
<td>Square</td>
<td>Also known as Robertson drive. Abbreviated SQ or SD.</td>
</tr>
<tr>
<td>Star</td>
<td>A six-pointed star pattern, specifically designed to prevent cam-out and stripped heads.</td>
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<td>Slotted</td>
<td>A slot in the head. Abbreviated SL.</td>
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Hex
A six sided nut. Also referred to as a Finished Hex Nut.

Heavy Hex
A heavier pattern version of a standard hex nut.

Nylon Insert Lock
A nut with a nylon insert to prevent backing off. Also referred to as a Nylock.

Jam
A hex nut with a reduced height.

Nylon Insert Jam Lock
A nylock nut with a reduced height.

Wing
A nut with ‘wings’ for hand tightening.

Cap
A nut with a domed top over the end of the fastener.

Acorn
Acorn nuts are a high crown type of cap nut, used for appearance.

Flange
A nut with a built in washer like flange.

Tee
A nut designed to be driven into wood to create a threaded hole.

Square
A four sided nut.

Prevaling Torque Lock
A non-reversible lock nut used for high temperature applications.

K-Lock or Kep
A nut with an attached free-spinning external tooth lock washer.

Coupling
Coupling nuts are long nuts used to connect pieces of threaded rod or other male fasteners.

Slotted
Slotted nuts are used in conjunction with a cotter pin on drilled shank fasteners to prevent loosening.

Castle
Castle nuts are used in conjunction with a cotter pin on drilled shank fasteners to prevent loosening.

Pin Lock
A nut that does not require an high installation torque and can be installed and removed without thread damage.
Stud Anchors  
A.k.a. Wedge Anchors. One piece expansion bolts for heavy duty fastening into stone or solid concrete.

Sleeve Anchors  
Heavy duty masonry anchors. Does not require a solid base material for installation.

Lag Shields  
Medium duty anchors for use in concrete, brick or mortar. Use with a lag bolt.

Machine Screw Anchors  
A two-piece machine thread anchor for use in stone, brick, or concrete.

Drop-in Anchors  
A heavy duty machine thread anchor for concrete or stone.

Double Expansion Sleeves  
Expansion anchor for masonry that ensures contact along the length of the hole.

Concrete Screws  
Used in concrete, brick or block. A quick and easy way to fasten in light to medium duty applications.

Spring Toggle Wings  
Non-removable fasteners that expand behind the material, e.g. inside a wall, for a secure grip.

Plastic Toggle  
When these anchors are driven in they expand inside the hole for a secure grip. Drill hole the same size as the anchor. Non-removable.

Kaptoggle®  
A non removable anchor commonly used for hollow spaces such as drywall and masonry block.

Conical Anchors  
Plastic anchors used with sheet metal screws. Can be used in most materials.

Self Drilling Drywall Anchors  
Quick-install plastic anchors used in drywall with sheet metal screws.

Wood Screw Anchors  
This anchor is made of lead and can be used with wood screws or sheet metal screws.

Hollow Wall Anchors  
A.k.a. Molly Bolts. Used for light duty anchoring in drywall or other hollow walls.

Nail Drive Anchors  
Non removable anchors that expand inside the hole when the nail like pin is driven.

Anchor Bolts  
L shaped, machine threaded anchors. Typically embedded in concrete when it is poured.