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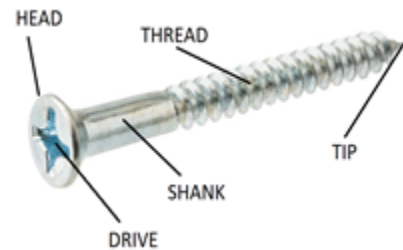
ENGL 21007

10/2/19

Philips Head Screw

The Philips Head Screw was first invented in the early 1930s when there was a need for a quick and efficient screws for the assembly line. The Philips head is easier to align, has a one size fits all bit, and it increases the amount of torque that could be put on the screw as compared to the old slotted head screws.

The head is one of the most important parts of the screw and it is where many screws tend to differ. The head of the screw is used to put down pressure on the screw. It drives the screw into the material using the drive where the bit is slotted.



This helps put torque onto the screw so that it can wedge itself into the material. The drive of the Philips head is formed into a cross with the inside being angled to allow it to skip.

The Philips Head screw has many advantages over a large amount of screw designs used today. As it was designed for use with machines the Philips can be used with power drills. This makes it much more efficient when it comes to speed over other designs like the flat head. The Philips is also self-centering. The ability to self-center ensures that workers do not fumble to fit the bit into the drive. This allows for a smoother workflow. Another advantage of the Philips head is that the drive is deeper than other screws such as flat heads. This allows the Philips to be

balanced on the screwdriver for easier starting and use with one hand. The Philips is also economical. It is cheaper and more common than other more complex designs.

The Philips head has multiple flaws to go with the advantages. Part of the design of the Philips head was to skip if high torque was applied. This was to stop overtightening. Due to this design, the Philips will camout sooner than some other more complex heads. This will often cause a loss of time when the operator must reinsert the bit. Camouts will also lead to the stripping of the screw and cause delays. A stripped screw can make it impossible to create torque on the screw with the bit.

The Philips head is an old and dependable screw with many advantages and disadvantages. The Philips head has many of the improvements of some more complex designs while keeping the convenience and price range as some of the simpler ones. However, even with the price advantage, there are multiple features the more complex screws have that can save a worker's time.

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[-x-2-1-2-in-Philips-Zinc-Plated-Flat-Head-Wood-Screws-4-per-Pack-](#)

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