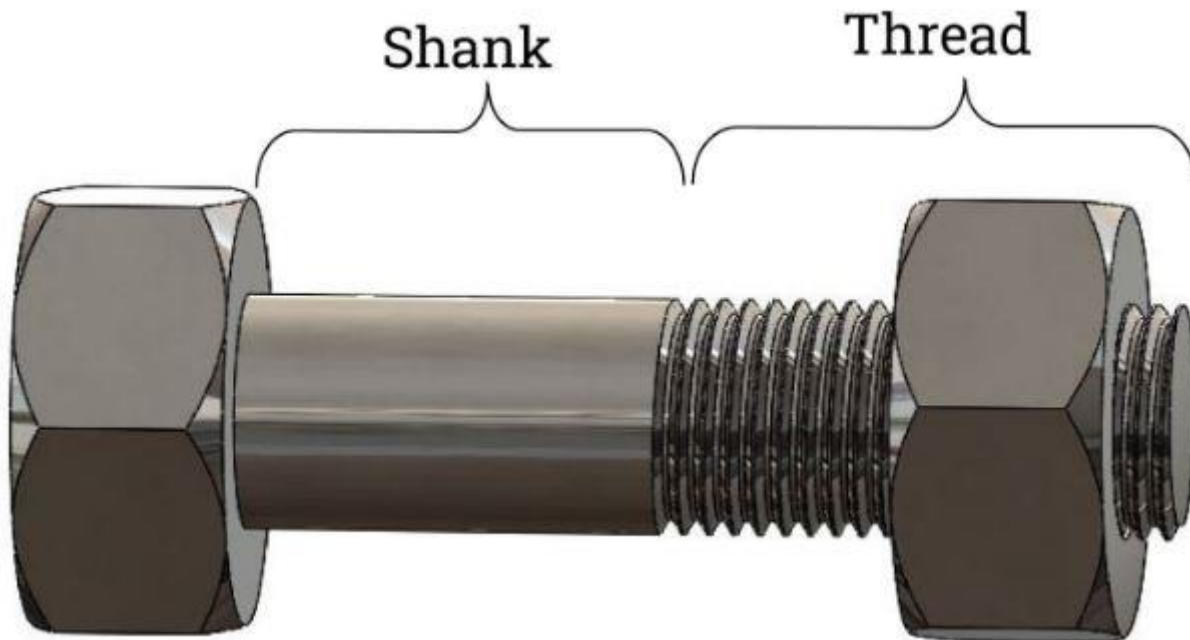




Type of bolts and their uses

أنواع المسامير واستخداماتها





1. Anchor Bolt

Bolt with threaded portion at one end and a non threaded I shaped on to the other end of the anchor bolt Generally found with washer & nut (rust resistant Property)



Application: setting the light poles, fastening the equipment to the concrete base



2 . Carriage Bolt

Carriage bolt are completely threaded with a smoothly formed head also equipped with square or ribbon undercut that keeps bolt safe during tightening



Application: wooden goods fastening with metals



3 . Eye bolt

Eye bolts are fasteners with rod shaped (with threads) on one end and forming the loop on the other end



Application: used for high load and lifting application (heavy service)



4 . Hanger Bolt

Hanger bolts produced with no head on the upper end of the bolt. Both ends of the hanger bolts are threaded. One end of the bolts having the shape of wooden screw



Application: In overhead (elevated) application, fastening with wooden application & rod application.



5 . Hex Bolt

Bolts that are either fully or partially threaded with six sided head at the top of the hex bolt.



Application: hex bolts are used with a very wide range of application purpose for such as in construction or repairing of building and highway elements..



6 . Square head bolt

Square head bolts are mainly consist of square head equipped with smooth shank with thread. These bolts can also be fully threaded without of the shank provision. Design of head facilitates the easier wrench grip during the tightening



Application: industrial agricultural application & construction application



7 . U-bolt

U- bolt as the name suggest letter U threaded on to the both end of fasteners and non threaded inside of curved section.



Application: supporting pipe works.



8 . Lag bolt

One of the toughest fasteners who create its own threads when penetrates wood & other soft material.



Application: connecting heavy materials that bearing extreme loads.



9 . Flange Bolts

Flange bolts have a circular washer-like flange under their head, which distributes the clamping force over a greater area.



Application: In vehicles, they protect the engine and transmission systems by holding the outer casing tightly. In piping systems, they firmly hold the ends of two flanged pipes together.



10 . Serrated Flange Bolts

serrated flange bolts are almost similar to standard flange bolts in construction, except that the circular flange under their heads has teeth that grip onto surfaces firmly. These teeth bite onto surfaces to resist vibration effectively and prevent threads from loosening



Application: used in mechanical and plumbing applications and electronic product casings.



11 . Plow Bolts

Plow bolts are similar to carriage bolts except for their countersunk heads , They also feature a square neck to ensure that the bolt will not rotate as the nut is tightened

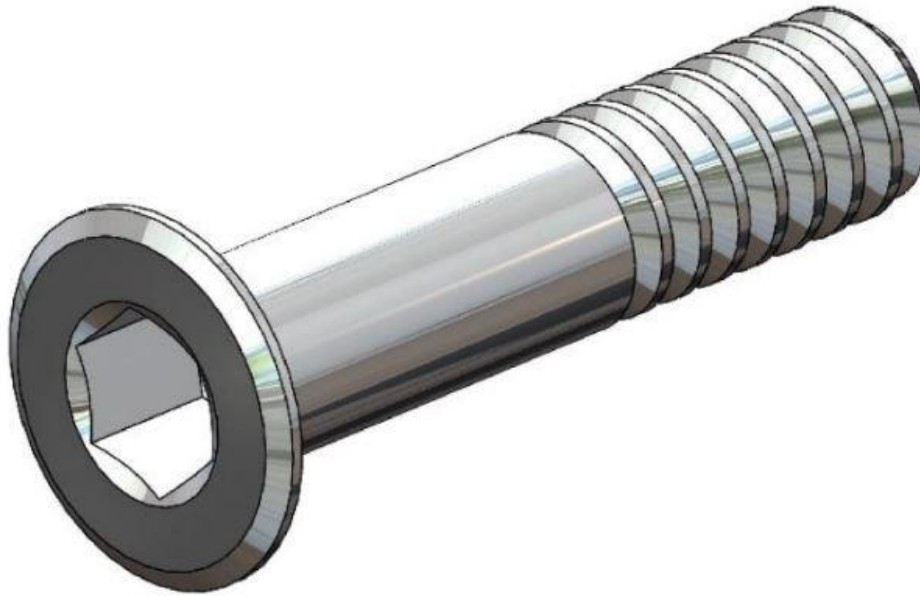


Application: Plow bolts are used in heavy equipment such as snowplows, tractors, excavators, and scoop shovels



12 . Socket Head Bolts

Socket head bolts feature a recessed slot in their bolt heads which accommodates an Allen wrench or a socket tool

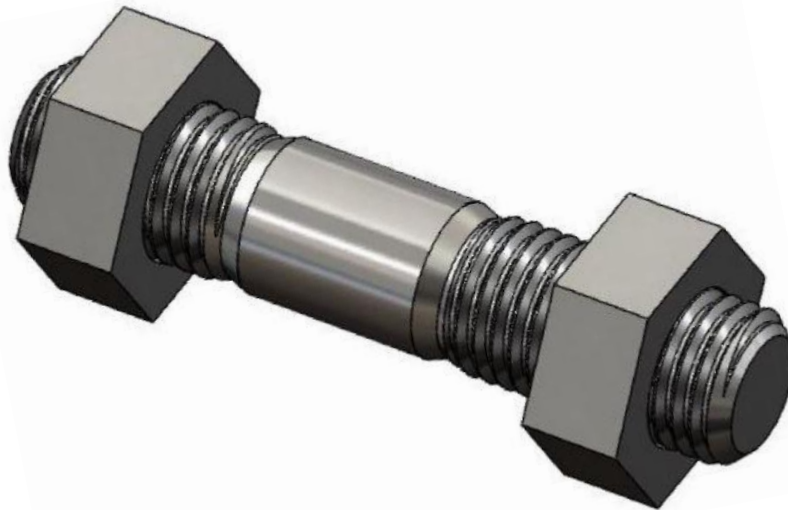


Application: used in industrial production and assembly lines



13 . Plow Bolts

Stud bolts are headless bolts with threads on both ends of their shaft. The thread may continuously run the shaft (fully threaded) or have an unthreaded portion in the middle of its shaft (partially threaded)



Application: used in connecting equipment, parts, and permanent fixtures



 **Thanks**