





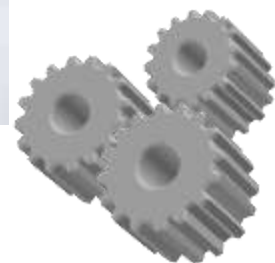


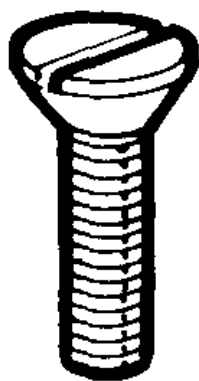
A325 Bolts
A490 Bolts
Adhesives
Aircraft Fasteners
Aluminium Fasteners
Automotive Fasteners
Anchor Bolts
B-7 Studs
Bent Bolts
Blind Rivets
Bolts
Brass Nuts
Cabinet Screws
Cable Ties
Carriage Bolts
Cold Formed Fasteners
Cold Headed Fasteners
Concrete Anchors
Corrosion Resistant Bolts

Dome Head Bolts
Dowell Pins
Drop Forged Hardware
Drywall Screws
Drywall Anchors
Electronic Fasteners
Elevator Bolts
Engineered Fasteners
Epoxy Anchors
Expansion Anchors
Eye Bolts
Fasteners
Foundation Anchor Bolts
Foundation Bolts
Flange Nuts
Flange Bolts
Flat Washers
Forgings
Grade 8 Hex Cap Screws
Grade 5 Hex Cap Screws

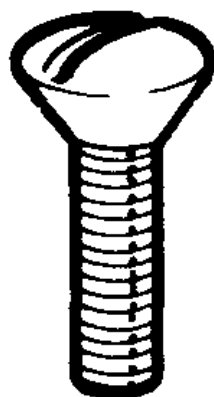




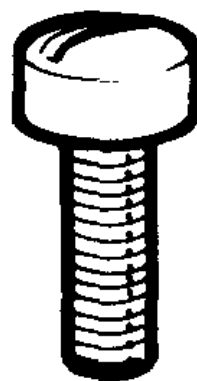




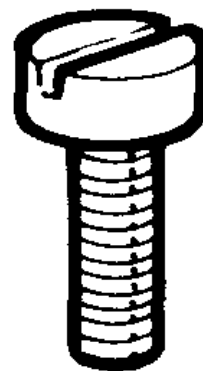
COUNTER
SUNK



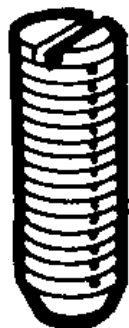
INSTRUMENT
HEAD



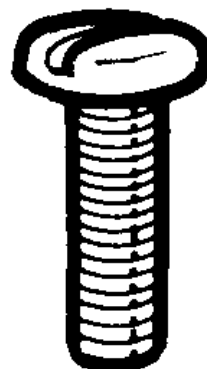
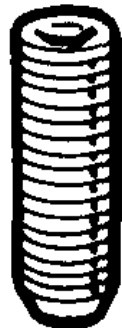
FILLISTER
HEAD



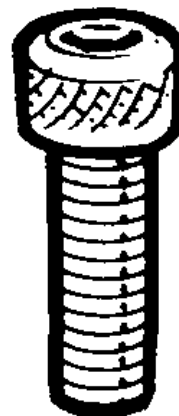
CHEESE
HEAD



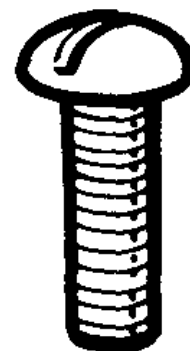
SLOTTED SOCKET
GRUBSCREWS



PAN
HEAD

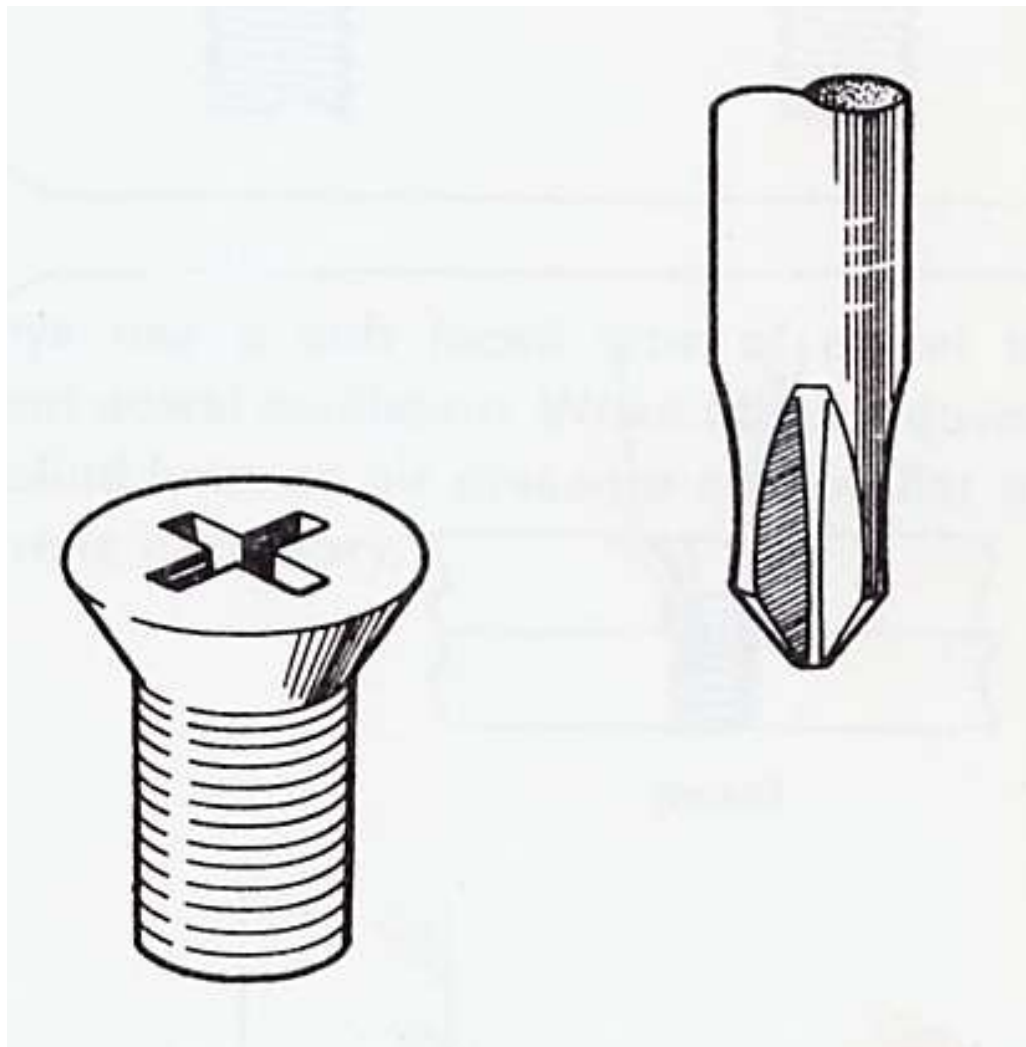


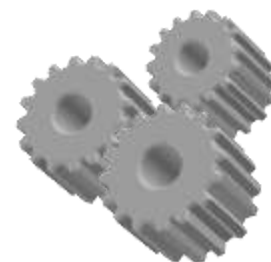
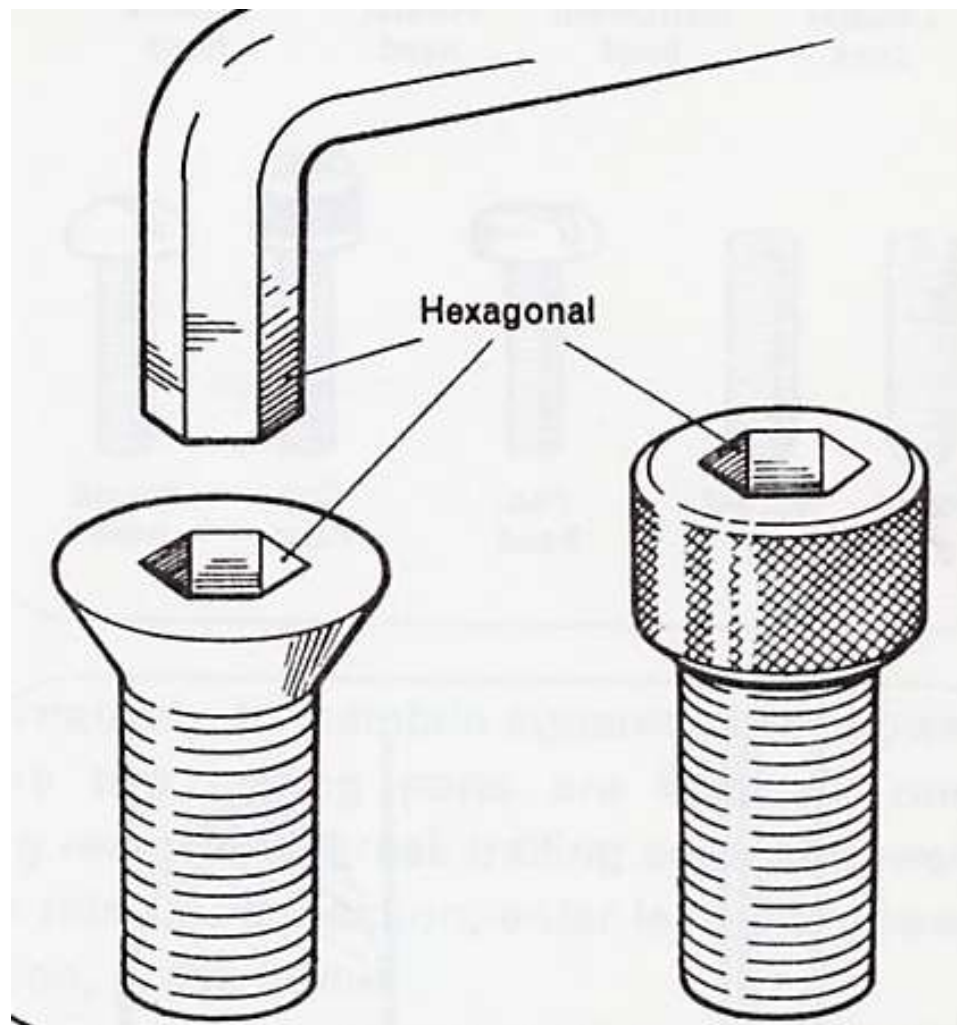
CAP
HEAD

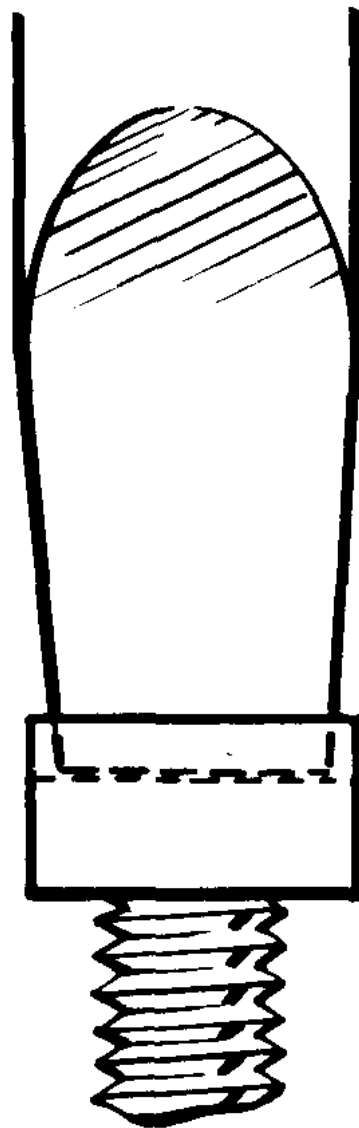
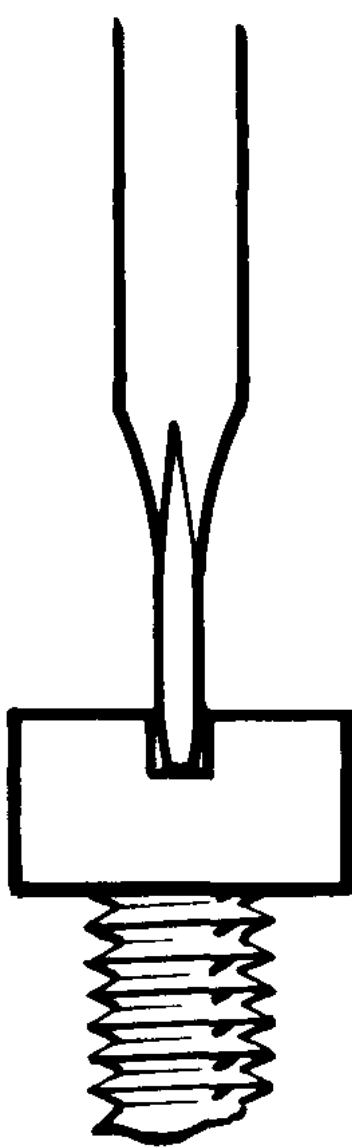


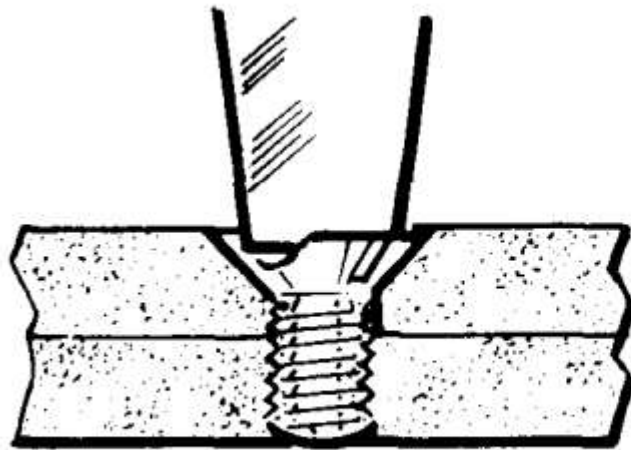
ROUND
HEAD



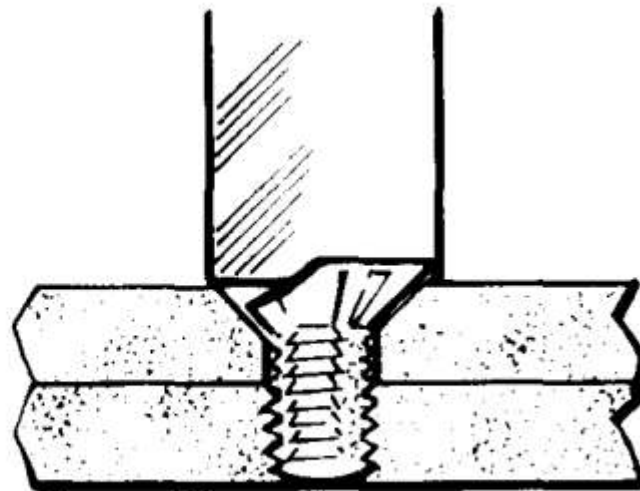




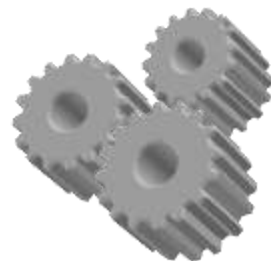




CORRECT



INCORRECT





Torx Screw & Rivet



Screw



Hex Bolt & Nut

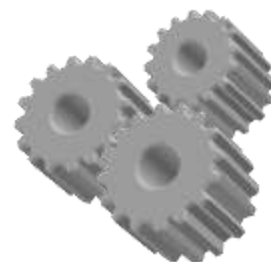
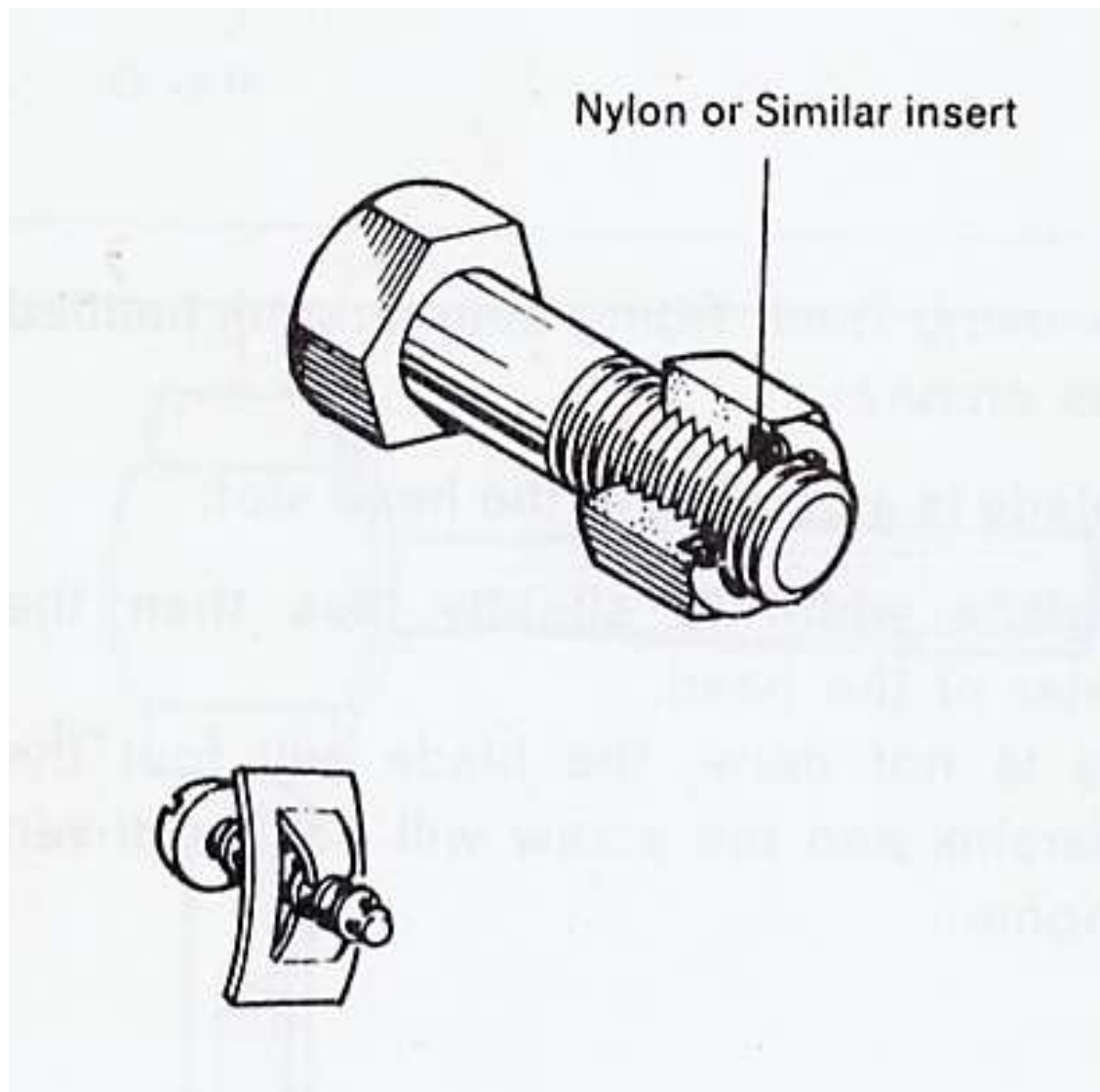


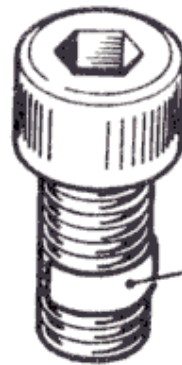






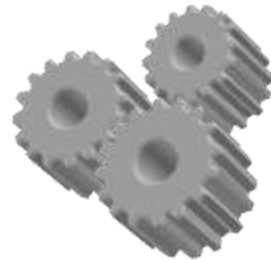


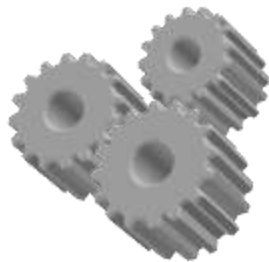
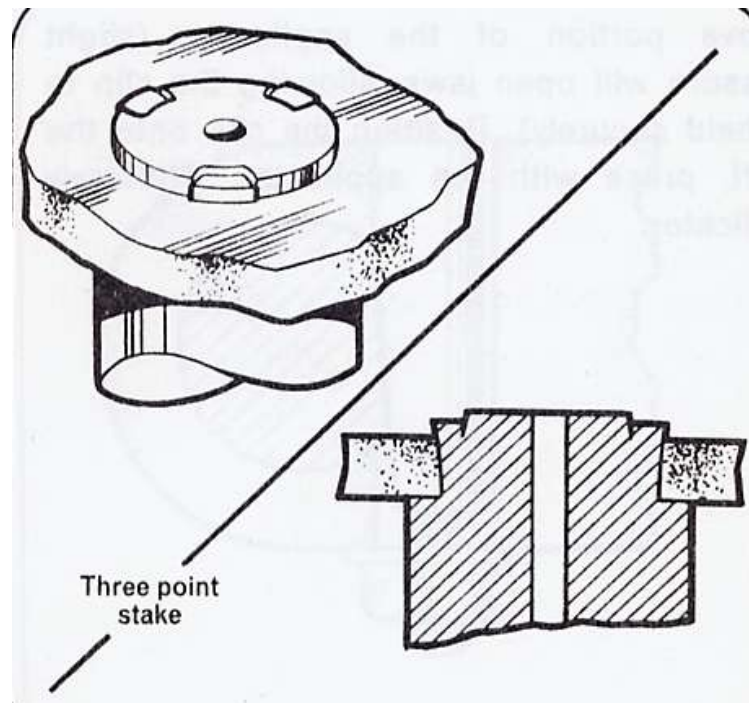
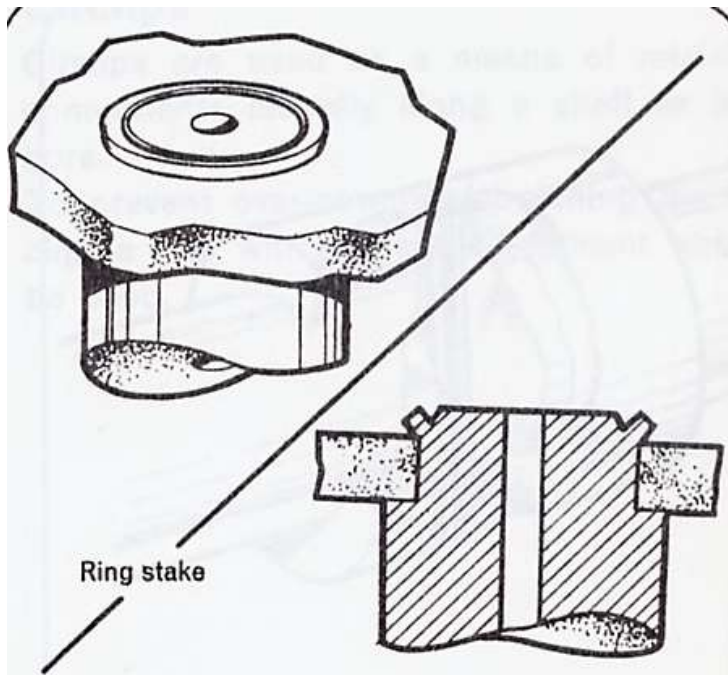


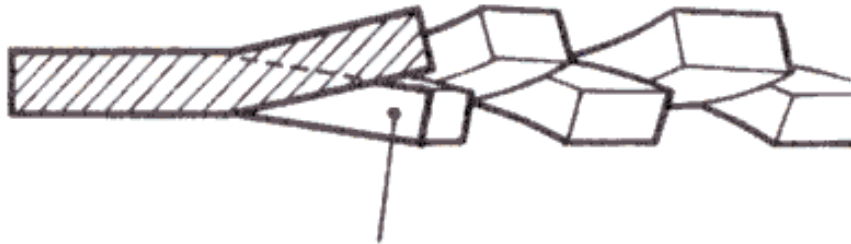
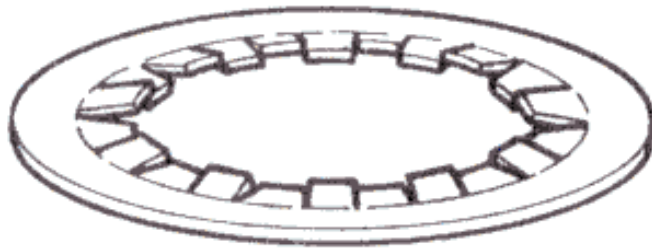


Nylon or
similar material
insert

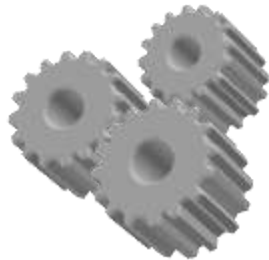
Nylon or
similar material

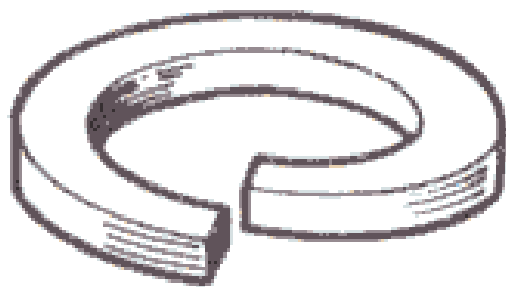




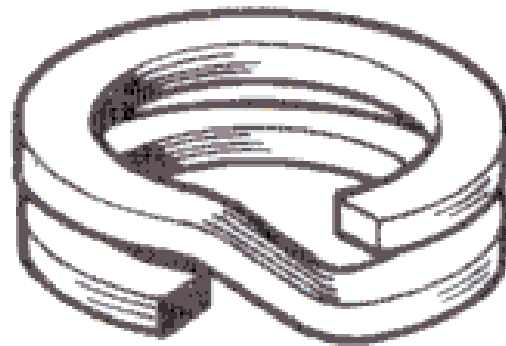


Alternately staggered teeth

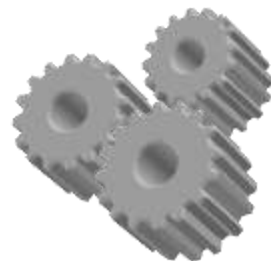




Single
coil



Double
coil



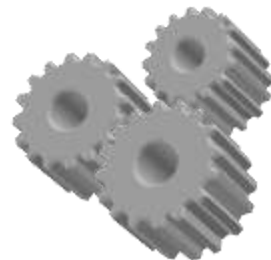
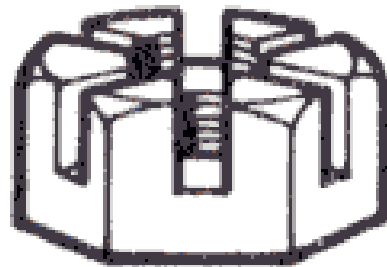
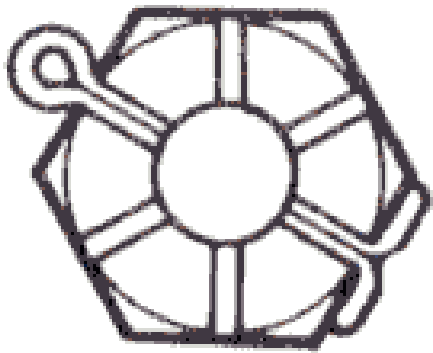


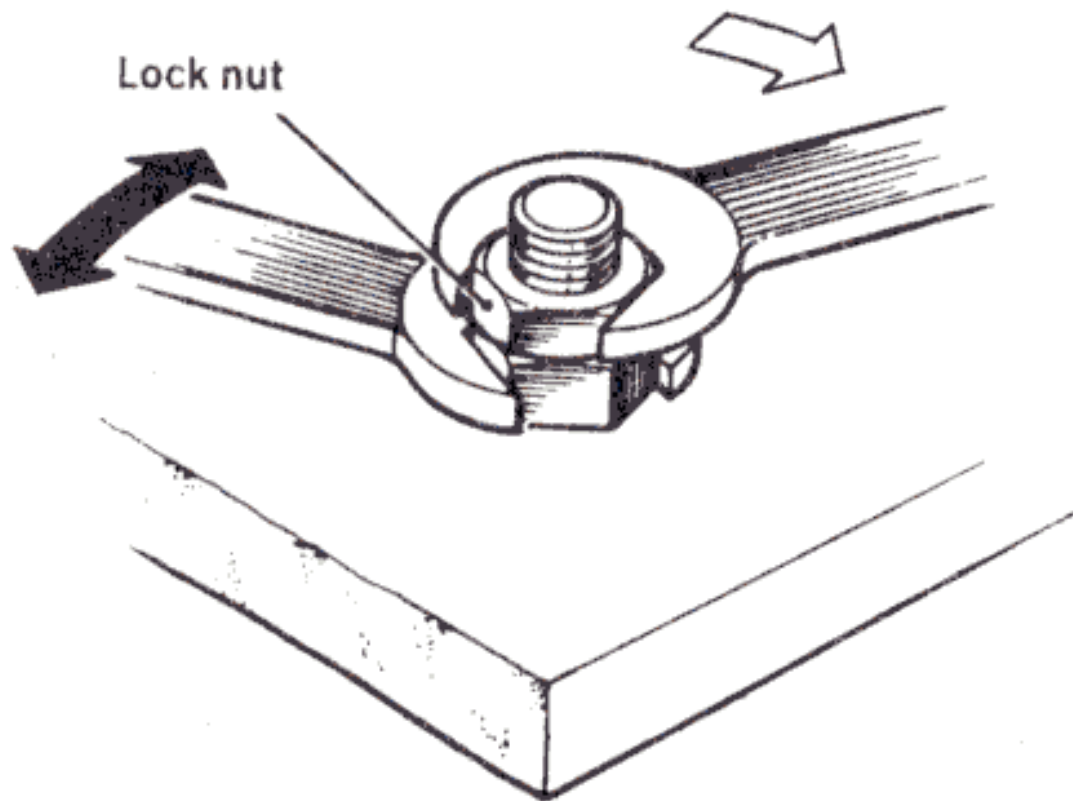
Tab washer

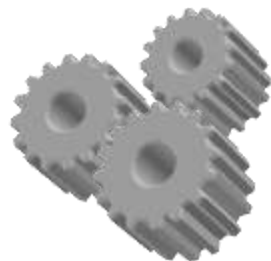
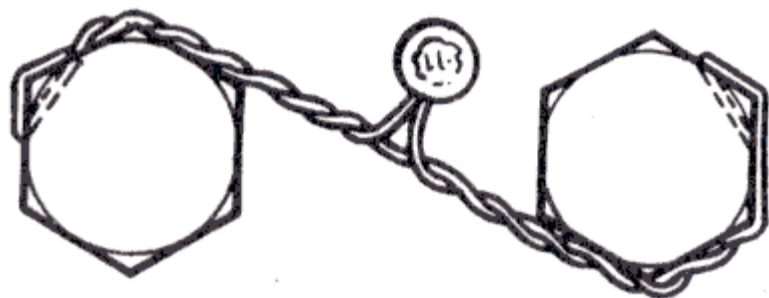
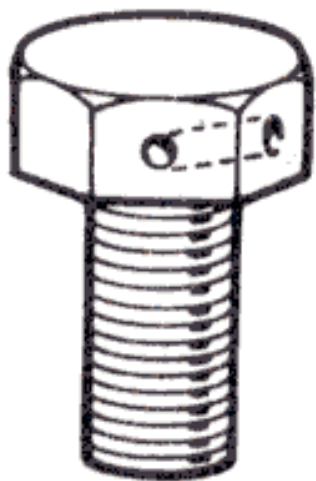


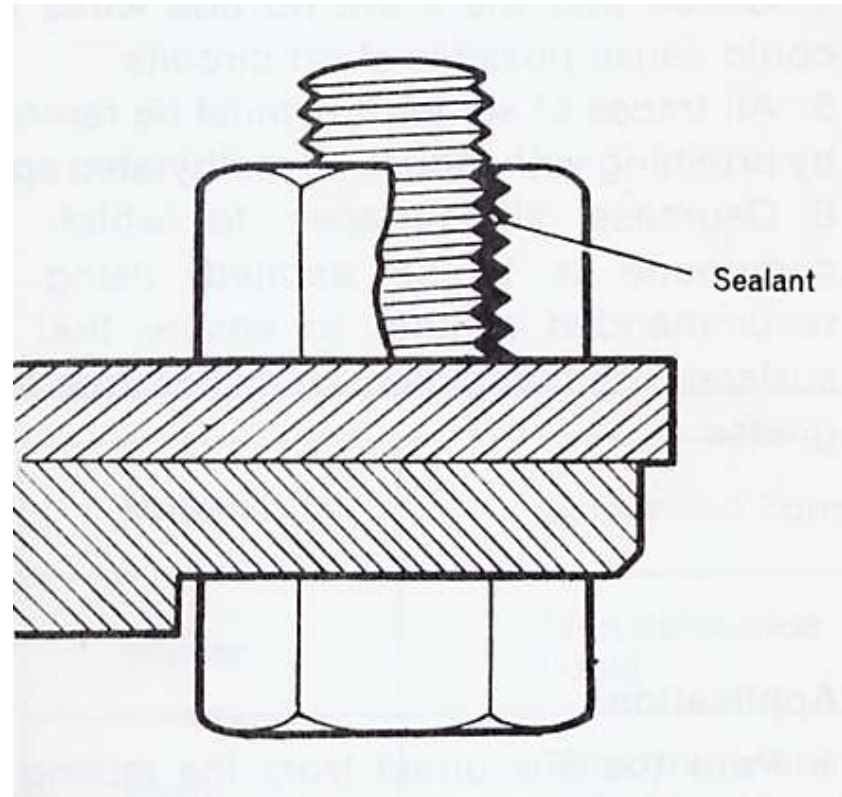
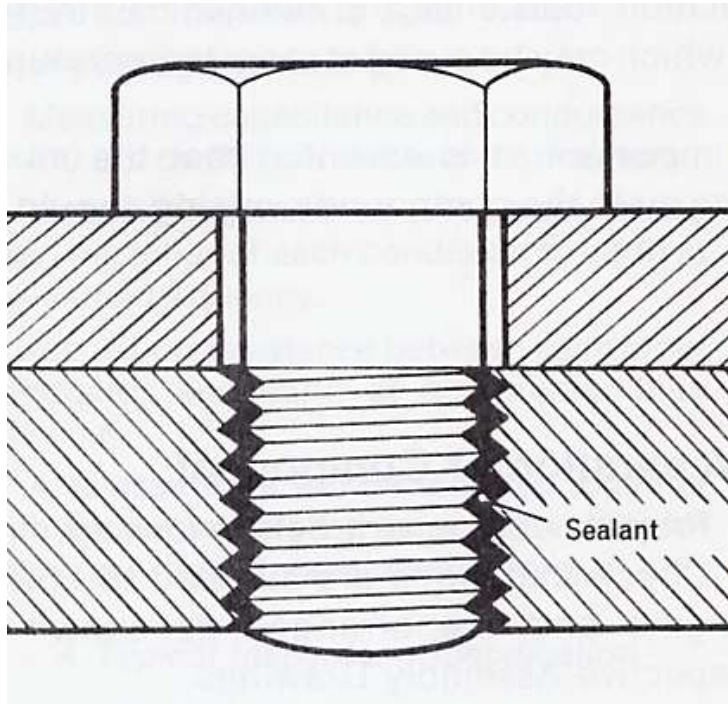
Crinkle washer

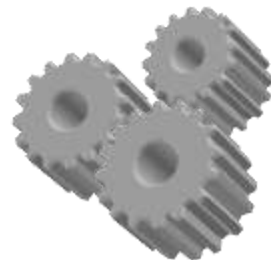
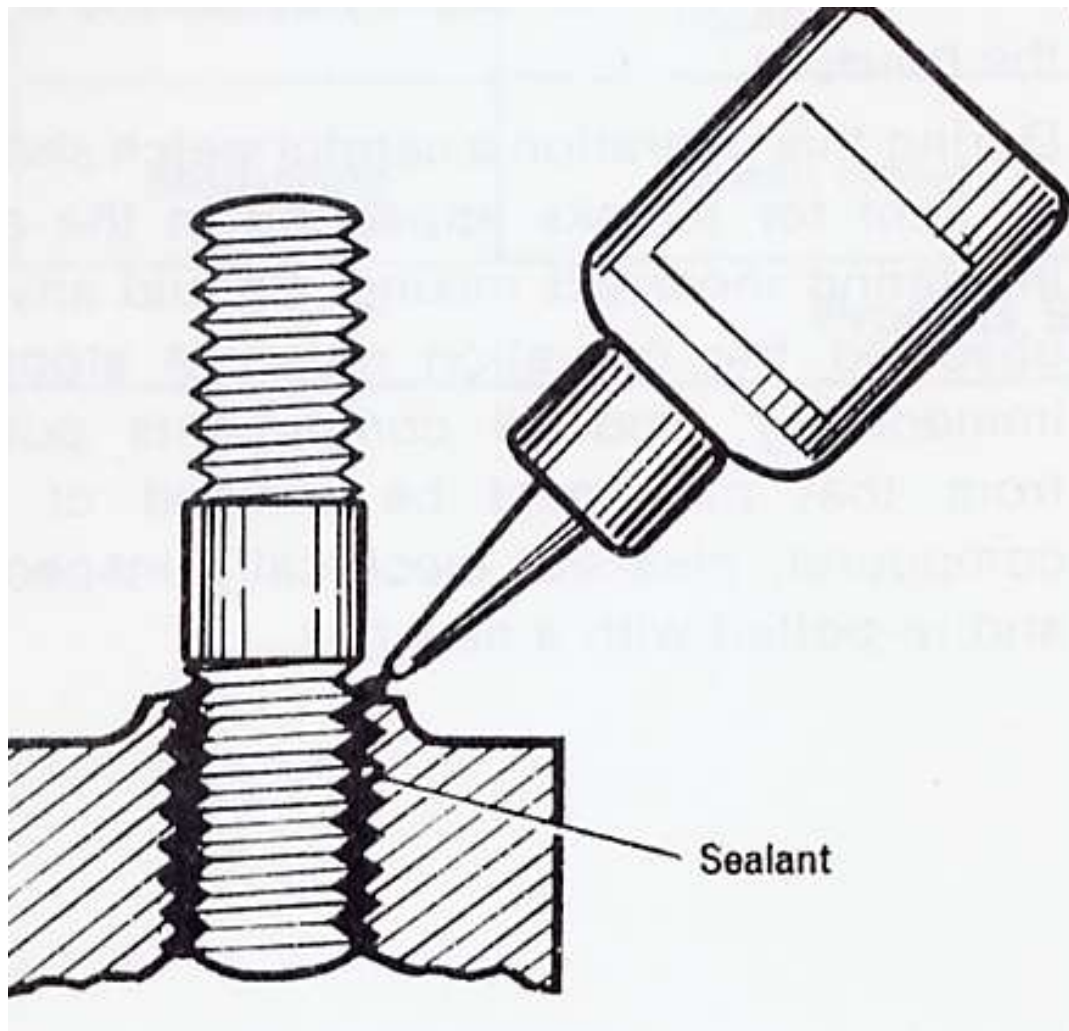


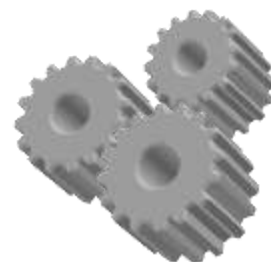














Hexagonal head bolt clamp



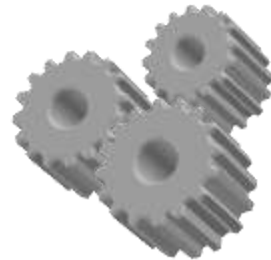
Drilltite Fasteners are self-drilling screws for metals and other materials.

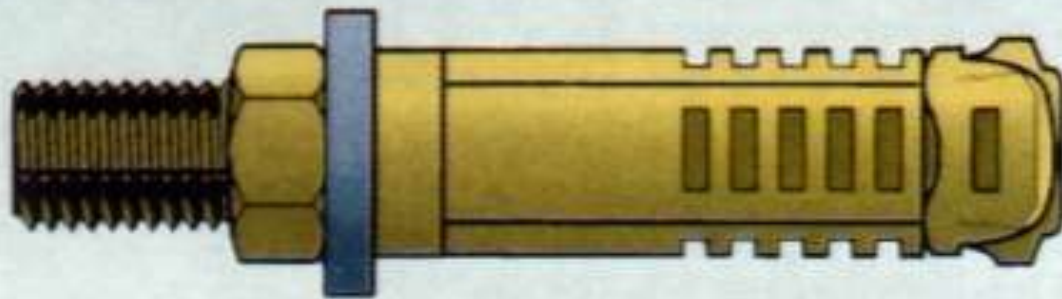
Features

- Sharp point
- Dual process points; cold-formed and milled
- Variety of point styles
- Variety of thread forms

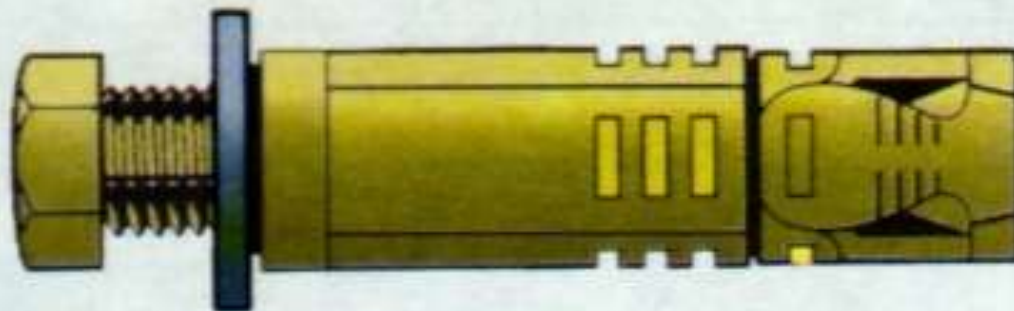
Benefits

- Eliminates drilling and tapping operations
- Facilitates hole alignment
- Provides "new" drill for each hole
- Assures accurately sized holes
- Speeds assembly operations

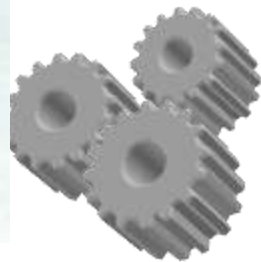




Heavy Duty Projecting Bolt



Heavy Duty Loose Bolt

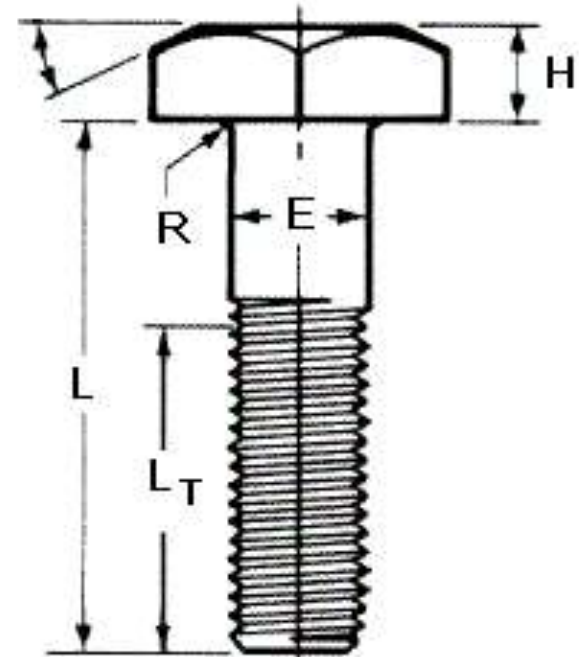




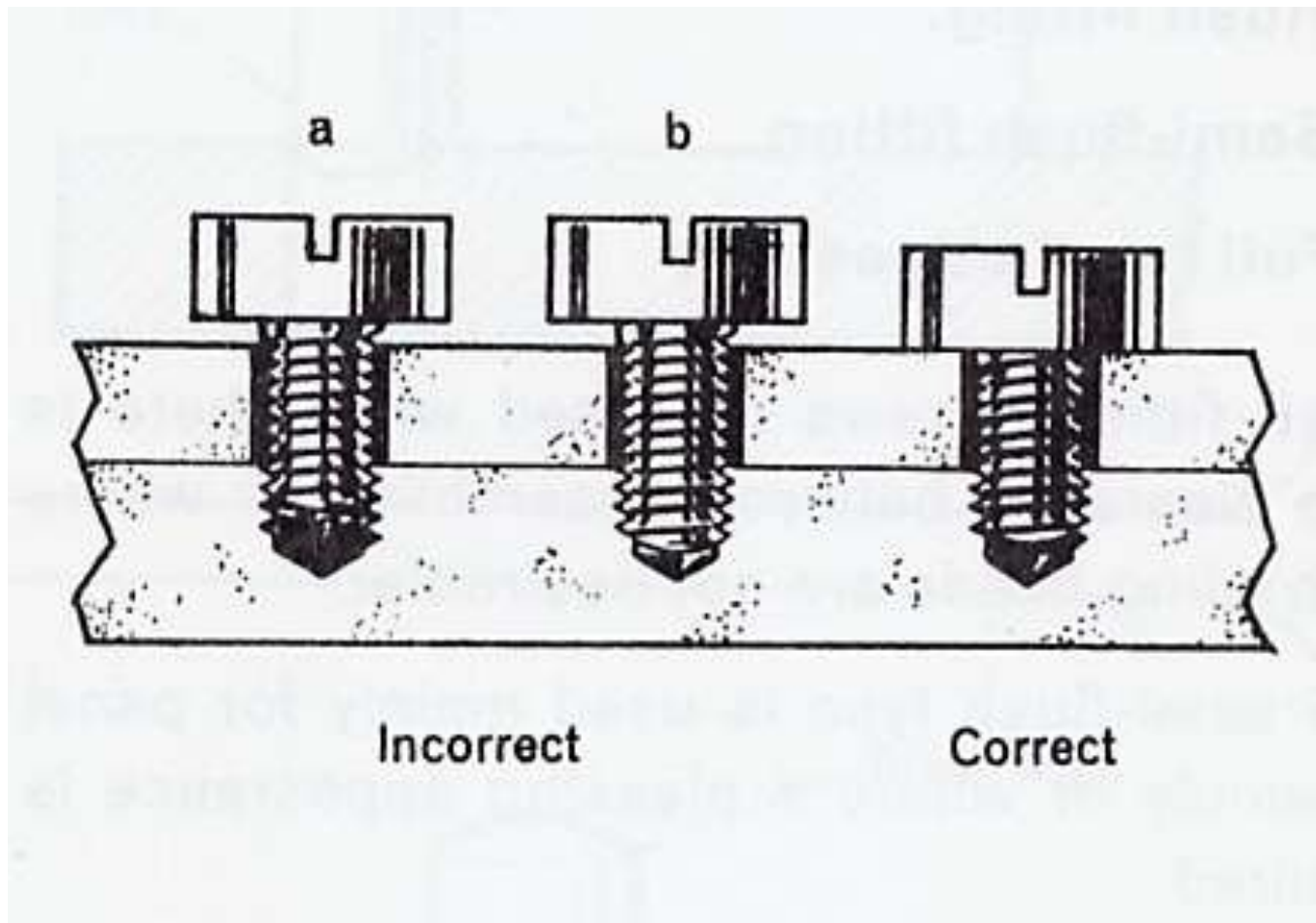
Fastener Failures

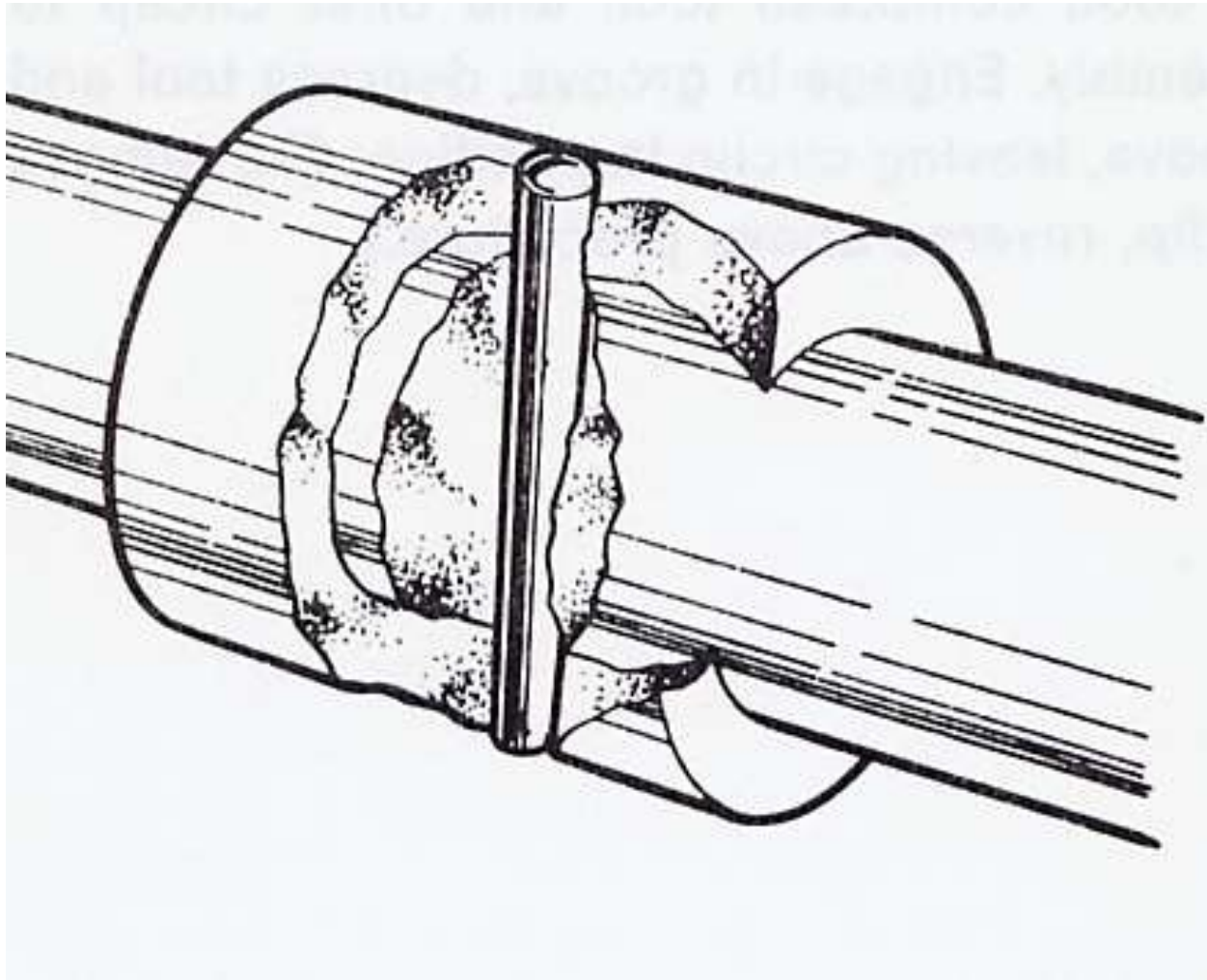
Threaded fasteners are considered to be any threaded part that may be removed after assembly. Nuts and bolts are commonly used threaded fasteners. Rivets, pin fasteners, and special purpose fasteners are some other commonly used fasteners. Some common locations for fastener failures are listed below:

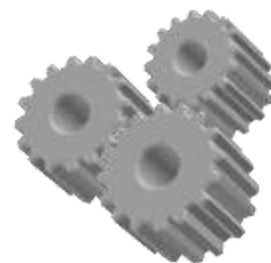
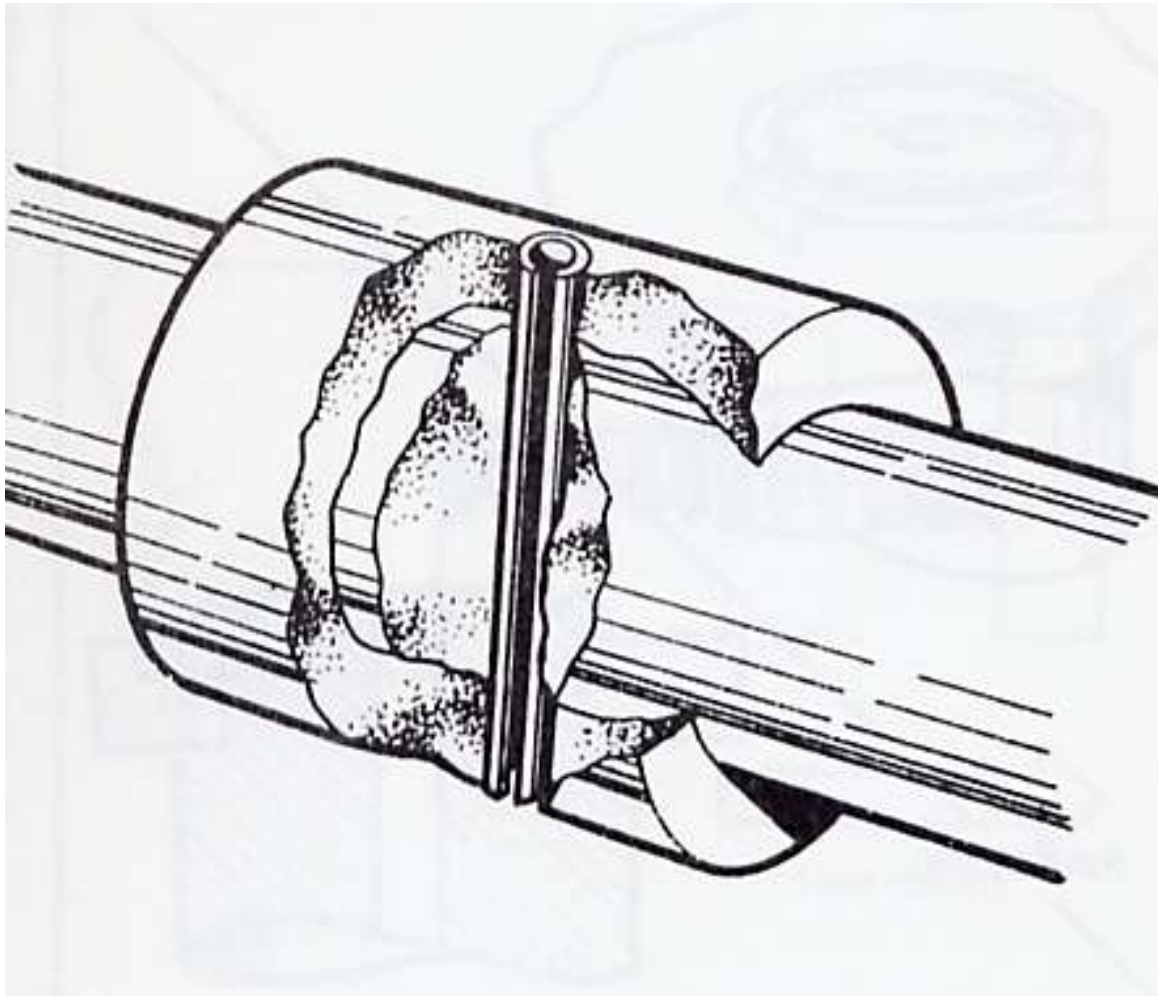
- Head to shank failure
- First thread inside the nut
- Transition from thread to shank

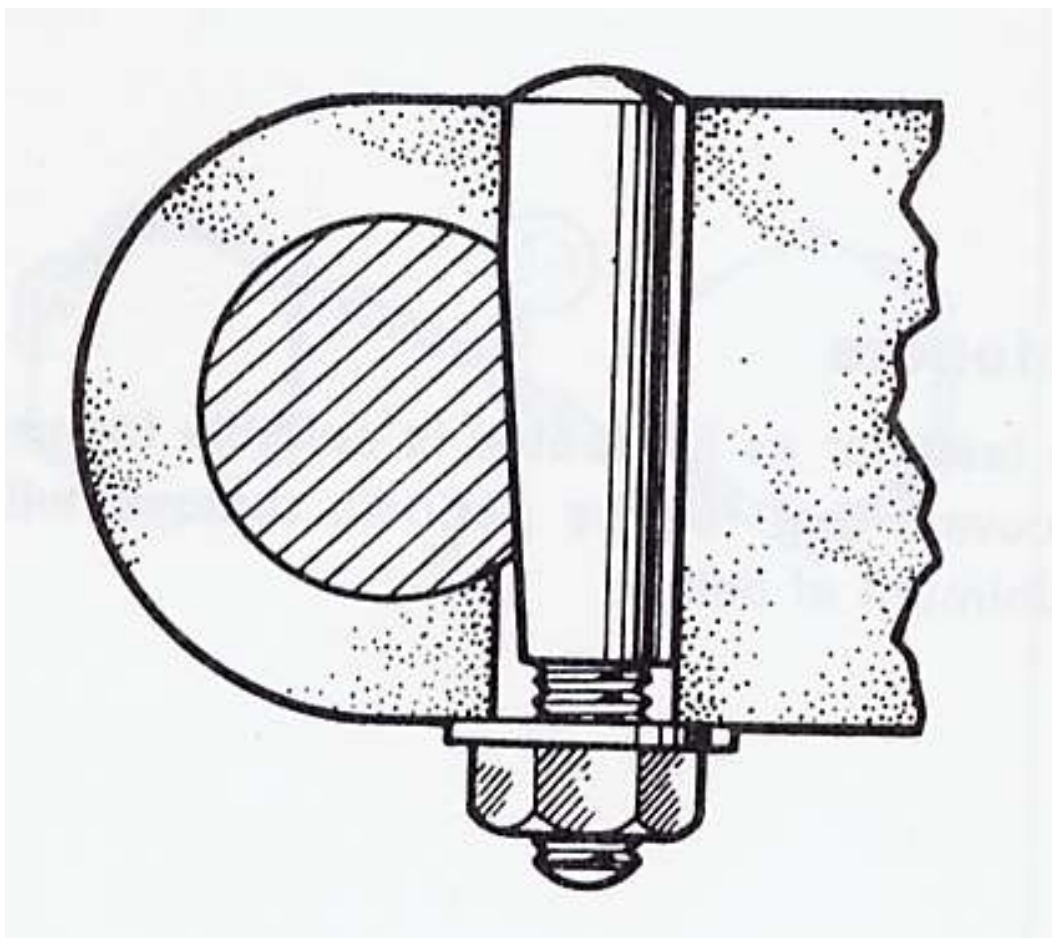


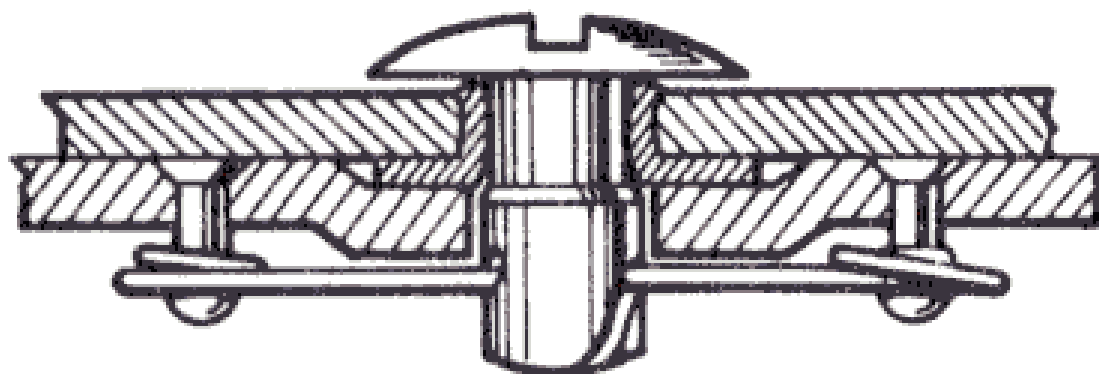


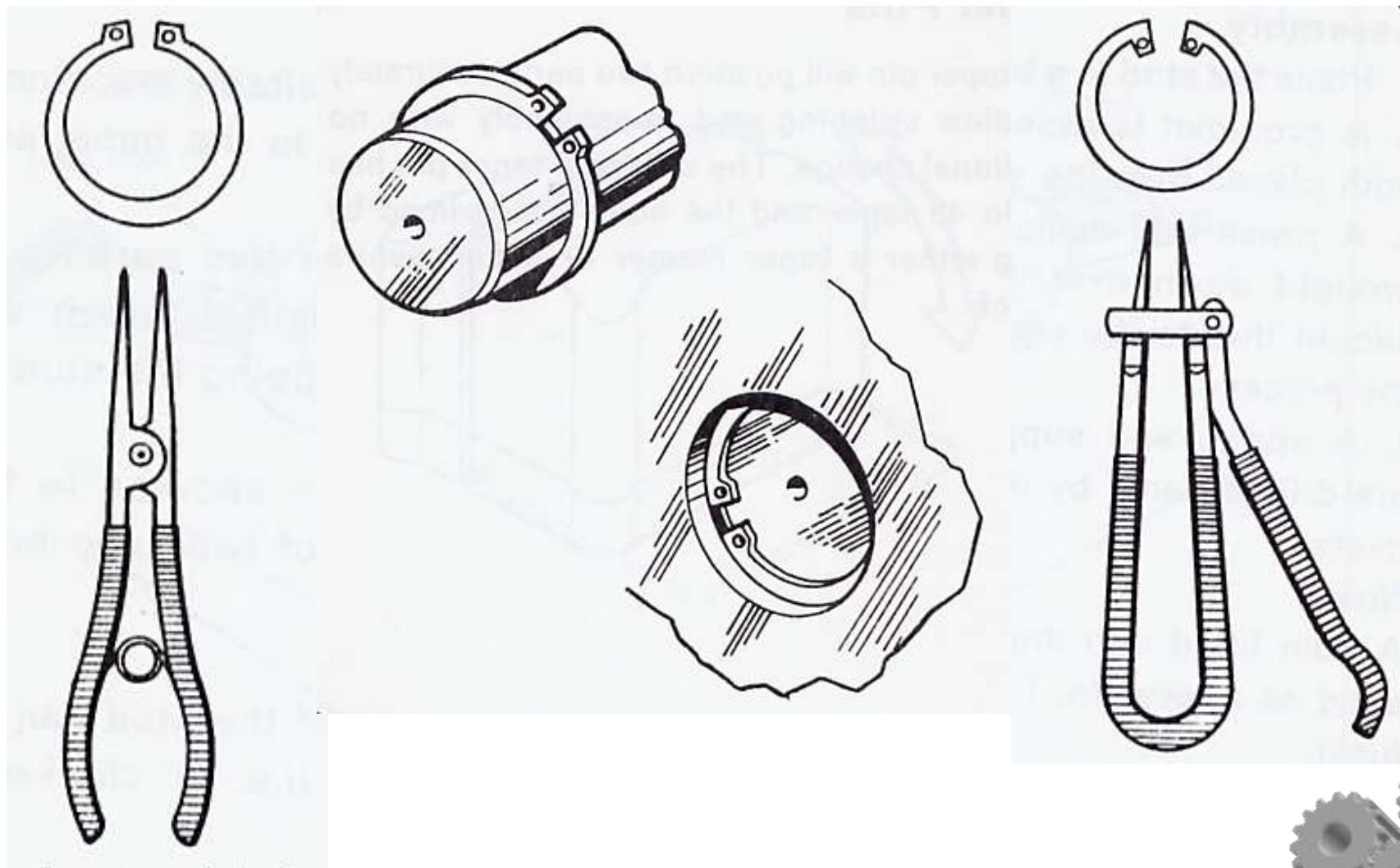


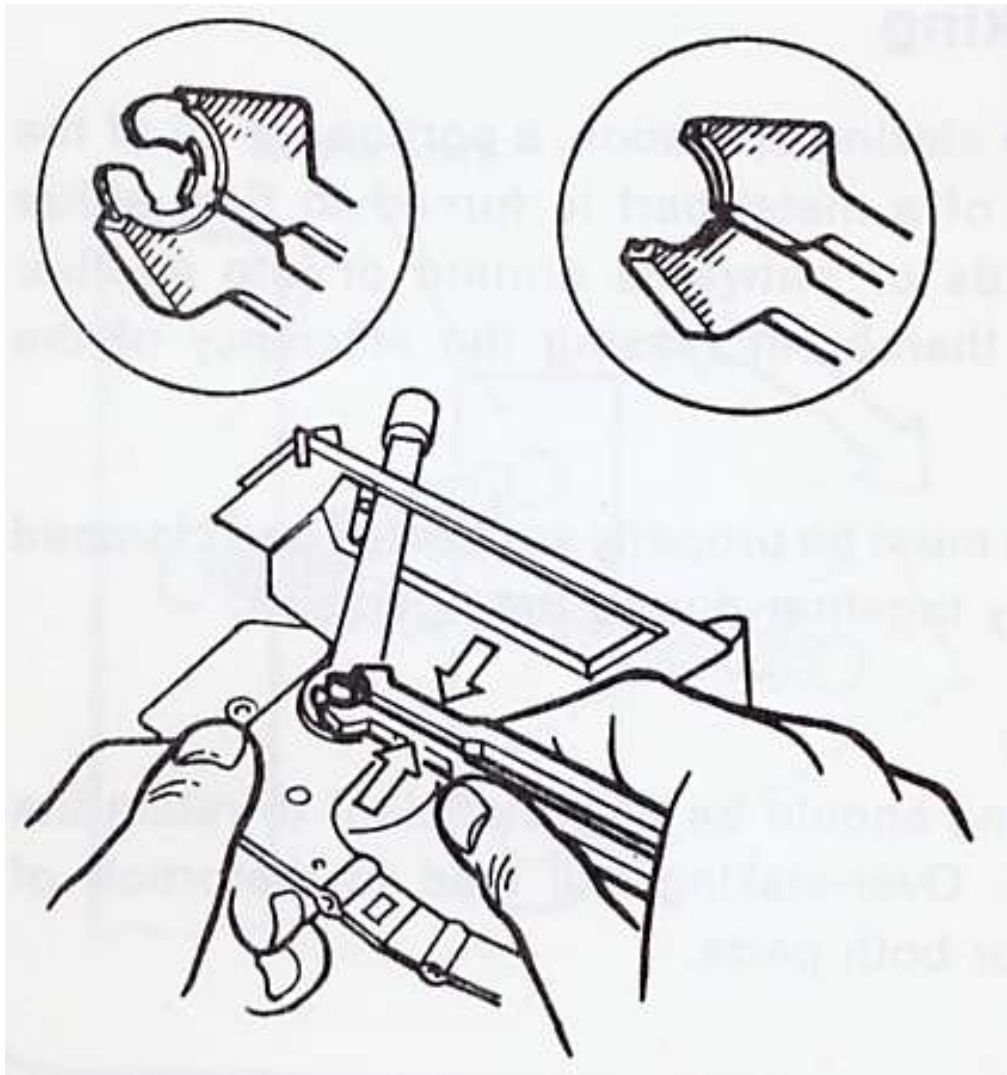


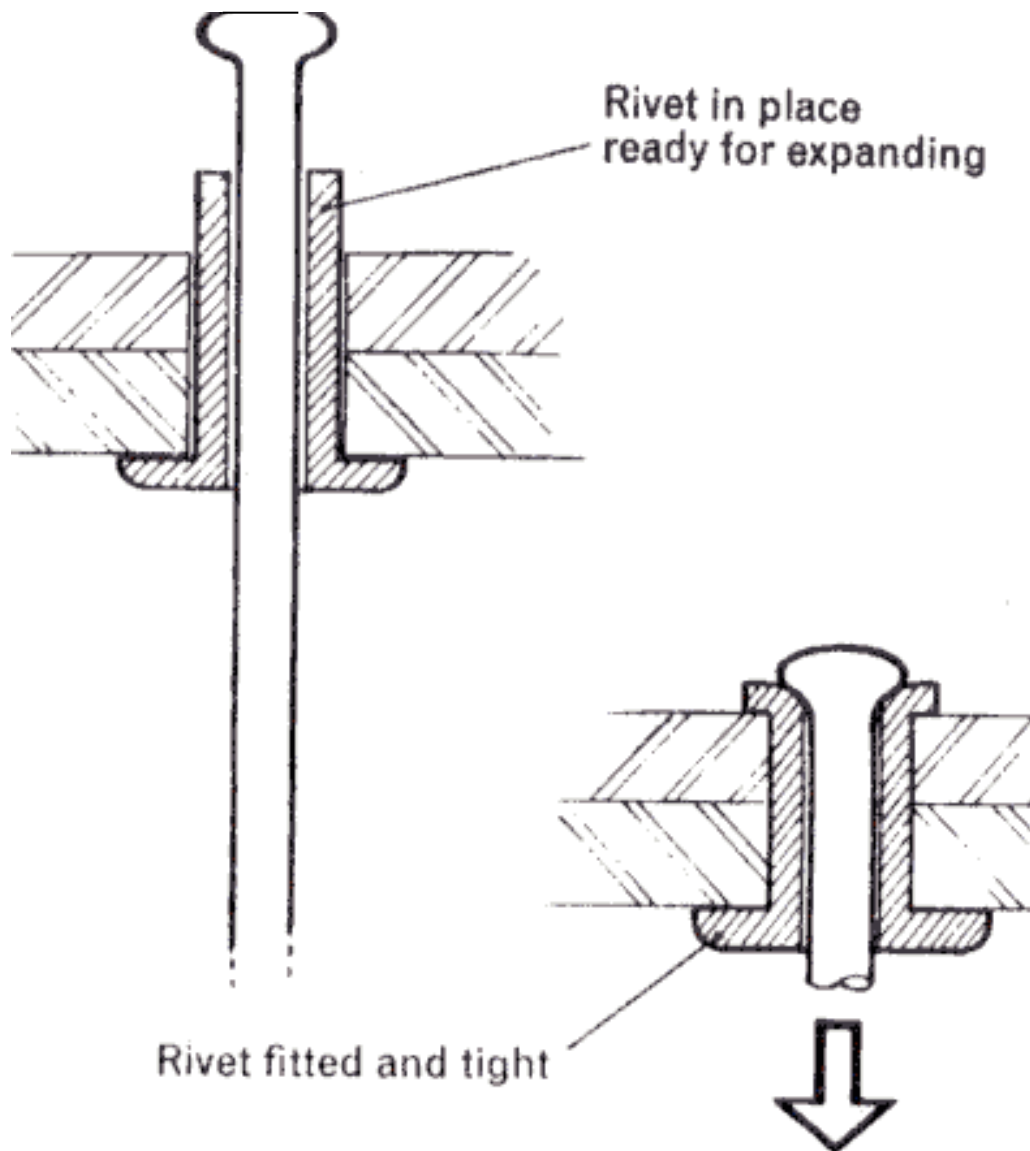


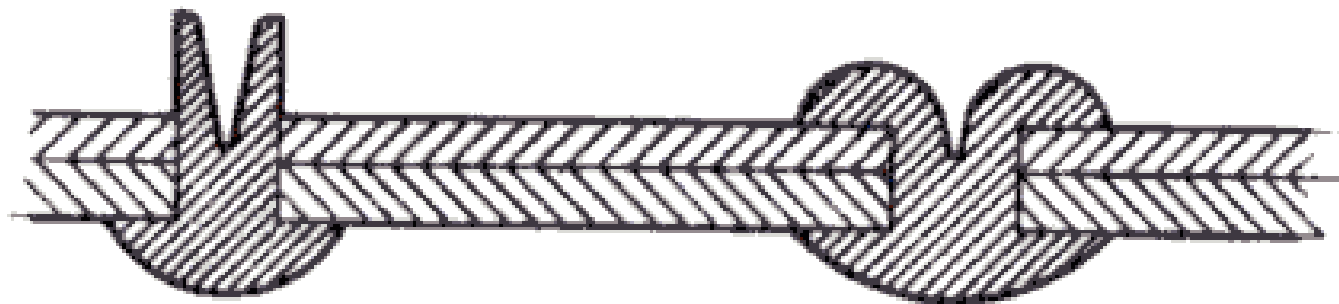


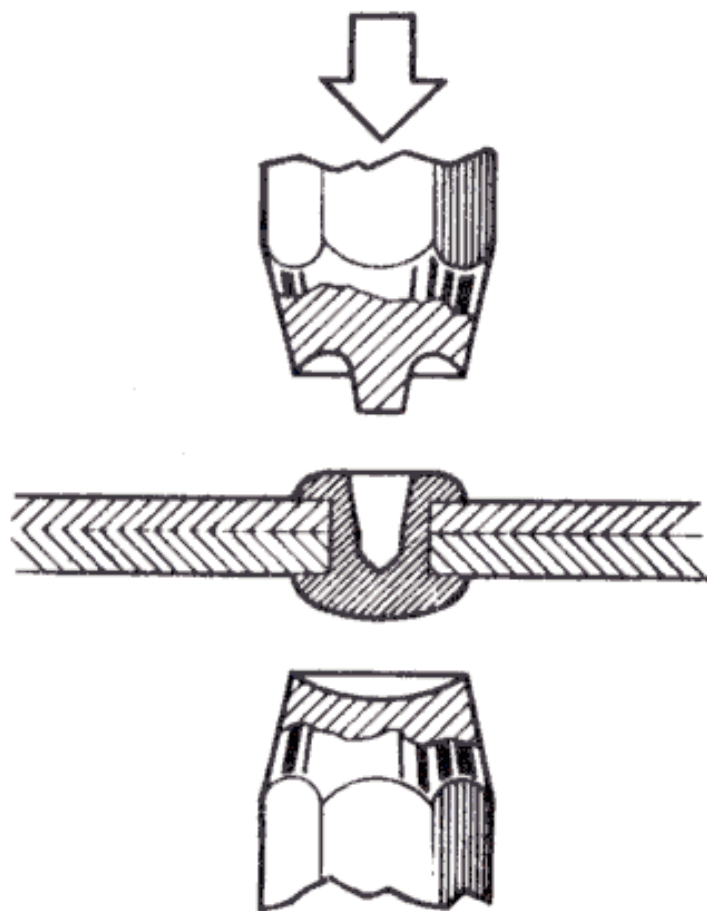


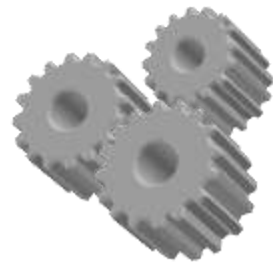
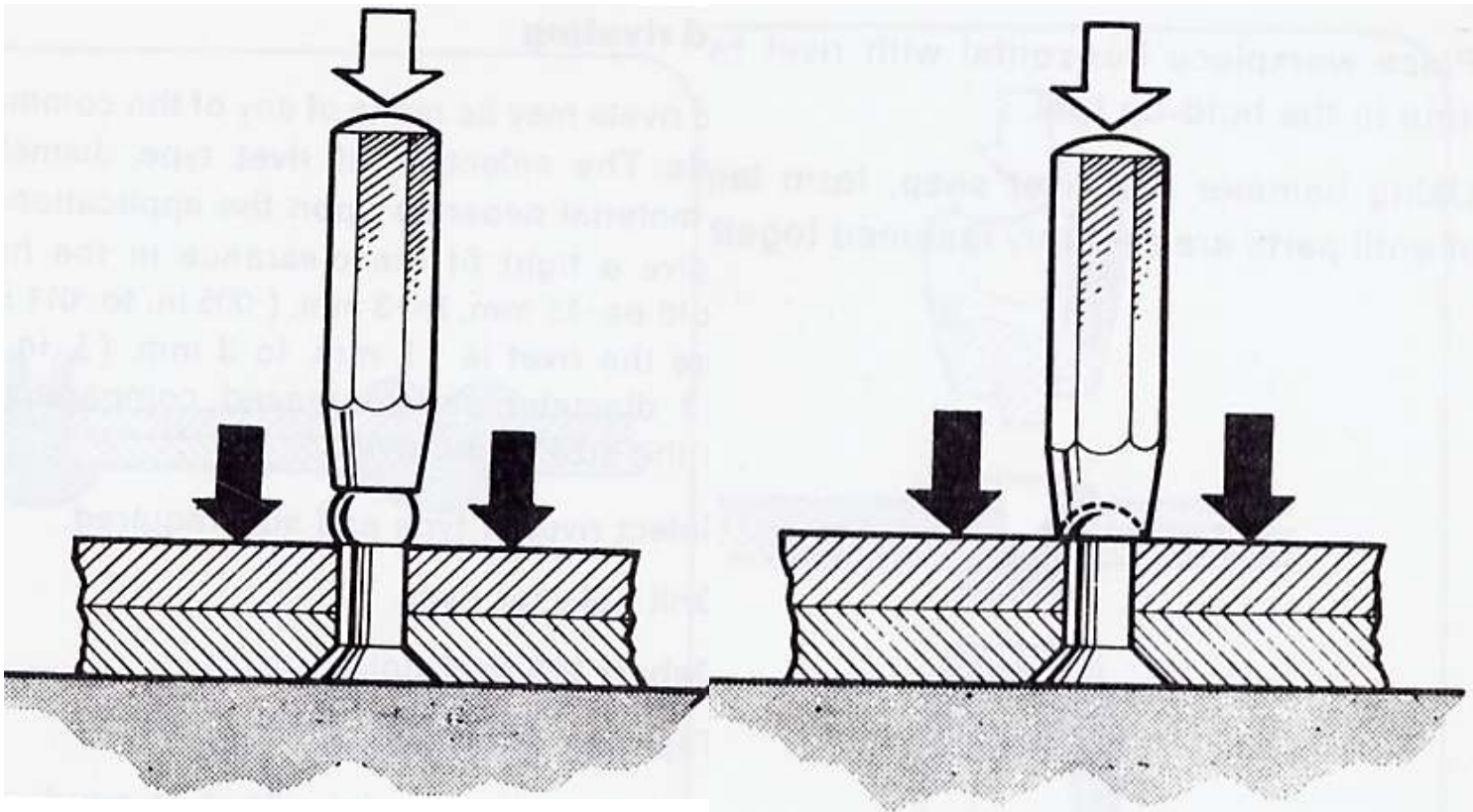


















Cap head socket screws



Button head socket screws



Countersunk socket screws



