

**Anchors come in a variety of shapes and sizes. The differences in design are dependant upon the fastener to be used, the weight of the object to be attached, and the surface to which it is to be secured.**

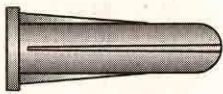
## **ANCHORS**

Generally all anchors are designed to firmly attach a bolt, screw, or object to a surface. An anchor is typically inserted into a surface thus providing a conveyance for the fastener to be attached stable. The design of an anchor is dependent upon the density of the surface into which it is to be inserted, the type of fastener utilized, and the weight of the object which is to be attached to the surface.

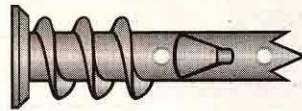
## **SURFACES**

There are two basic surfaces that normally require an anchor for secure attachment of a screw or bolt, a soft or hollow surface and a concrete or masonry surface.

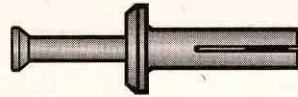
Some of the most commonly found soft or hollow surfaces are drywall, plaster, or paneling. These surfaces normally require light or medium duty anchors to support objects such as small paintings, clocks, photos, mirrors, small shelves and other light weight objects. A few examples of light and medium duty anchors available from Serv-A-Lite are plastic anchors, E-Z anchors, nail drive and hollow wall anchors.



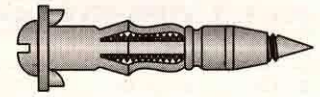
Plastic Anchor



E-Z Anchor



Nail Drive



Hollow Wall Anchor

Hard surfaces such as concrete, block, brick and stone normally require heavy duty anchors that can support railings, heavy shelving, braces and other objects where stress and weight are a concern. Machine screw anchors, split drive, lag screw, sleeve anchors, concrete stud (wedge) anchors and strike anchors are available for the purpose of providing a secure attachment of heavy objects on hard surfaces.



Machine Screw Anchor



Split Drive Anchor



Lag Screw Anchor



Sleeve Anchor



Concrete Stud (Wedge) Anchor



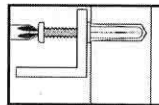
Strike Anchor

# ANCHOR USAGE CHART

## LIGHT DUTY ANCHORS FOR DRYWALL

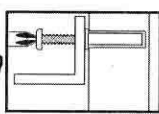
### Plastic Anchors

1. Drill hole & set anchor flush with wall.
2. Insert screw through fixture & tighten.



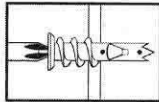
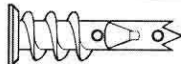
### Expandet Screw Anchor

1. Drill hole & set anchor flush with wall.
2. Insert screw through fixture & tighten.



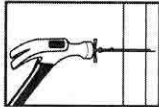
### E-Z Anchors™

1. Place #2 phillips screwdriver into recess of E-Z anchor.
2. Press into drywall while turning clockwise until flush with wall.
3. Insert screw through fixture & tighten.



### Wall Grabber

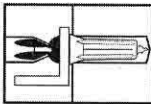
1. Squeeze anchor legs firmly together hammer point first horizontally into wall.
2. Insert screw through object being mounted & tighten, Anchor locks into place.



## MEDIUM DUTY ANCHORS FOR DRYWALL & HOLLOW MASONRY

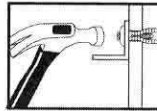
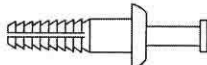
### Wood Screw Anchor

1. Drill hole & set anchor flush with wall.
  2. Insert screw through fixture & tighten.
  3. For best results screw length should be 1/4 in. longer than anchor.
- \* Not designed for use on drywall.



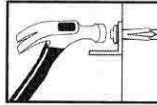
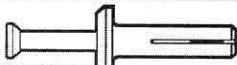
### Anchor Rivet

1. Drill hole & insert anchor flush through object to be fastened.
2. Drive pin flush with head of anchor.



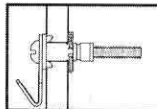
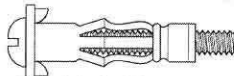
### Nail Drive

1. Drill hole & insert anchor through object to be fastened.
  2. Drive pin flush with head of anchor.
- \* Not designed for use on drywall.



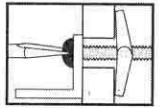
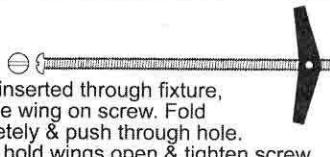
### Hollow Wall Anchor

1. Insert anchor into pre-drilled hole & tap until cap prongs are imbedded.
2. Tighten screw clockwise until resistance is felt.
3. Turn screw counter clockwise to remove. Hold fixture in position & replace screw.



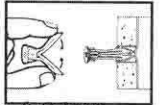
### Toggle Bolts

1. Drill hole.
2. With screw inserted through fixture, thread toggle wing on screw. Fold wing completely & push through hole.
3. Pull back to hold wings open & tighten screw.



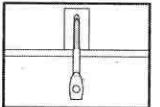
### Toggle Screw Anchor®

1. Drill hole. Push on hinge to fold anchor.
2. Insert into hole & tap flush.
3. Pop open anchor with key. Install fixture with screw & tighten.



### Acoustical Lag Screw

1. Power bits are available for easy installation. Use with 1/4 in. drill.
- \* For use with drop ceilings.
- \* Not for use on drywall.



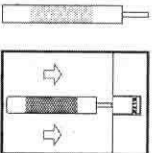
## HEAVY DUTY ANCHORS FOR SOLID MASONRY

### Machine Screw Anchor

1. Drill hole & insert anchor conical end first.
2. Expand lead sleeve using setting tool with hammer blows.
3. Install fixture by tightening machine bolt or screw into anchor.

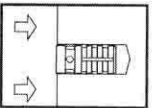
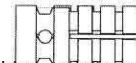


Setting Tool



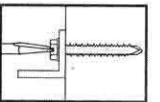
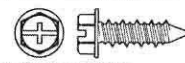
### Lag Screw Anchor

1. Drill hole & insert shield flush with wall.
2. Insert lag screw through fixture and tighten.



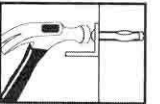
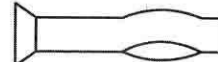
### Concrete Screw Anchor

1. Drill hole 1/4 in. deeper than anchor.
2. Position screw through hole in fixture & tighten.



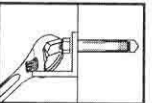
### Split Drive Anchor

1. Drill hole. Position split-drive through fixture & hammer flush.



### Sleeve Anchor

1. Drill hole & insert anchor through fixture until washer is flush.
2. Expand anchor by tightening nut 2 to 3 turns.



### Concrete Stud (Wedge) Anchor

1. Drill hole & assemble anchor with nut & washer so nut is flush with top of anchor.
2. Drive through fixture so washer is flush.
3. Expand anchor by tightening nut 3 to 5 times.

