

## B WALL SCREW ANCHORS

### 1. GENERAL

1.01 This section is reissued to update the information on sizes and design of anchors available and to revise the text.

### 2. IDENTIFICATION

2.01 B wall screw anchors are used for attaching various items of station apparatus, inside wire, and cable to interior wall surfaces of hollow construction. They can be used in plywood, wallboard, masonite, and hollow plaster wall.

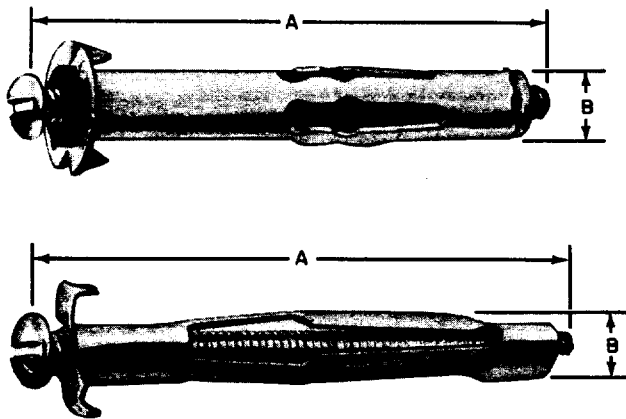


Fig. 1—B Wall Screw Anchor

2.02 Each anchor consists of an expandable steel sleeve with an integral nut and is equipped with a pan head steel machine screw. Both the sleeve and screw have a plated finish of cadmium, bright zinc, or nickel.

2.03 The anchors are available in three sizes (Table A). Either of the two designs shown in Fig. 1 may be supplied. To obtain maximum holding power, the wall thickness should first be determined, and then the correct anchor should be selected.

TABLE A

SIZE	WALL THICKNESS RANGE	NOMINAL DIMENSIONS	
		SCREW LENGTH (A)	SLEEVE DIA (B)
	IN.	IN.	IN.
4	1/8 to 5/8	1-1/2	1/4
6	5/8 to 1-1/4	2	
8	1-1/4 to 1-3/4	2-1/2	

### 3. INSTALLATION

3.01 To install a wall screw anchor:

- (1) Mark spot where anchor is desired.
- (2) Drill hole in wall to correspond with anchor's screw length and sleeve diameter.
- (3) Insert anchor and tap gently until cap prongs are embedded and cap is firmly set against wall surface.
- (4) Tighten screw while pressing firmly in order to prevent anchor from rotating.
- (5) In soft-textured walls it will be necessary to use wrench to hold the anchor body from rotating while turning the screw until the anchor is in fully expanded position.
- (6) When anchor is fully expanded, remove screw and attach hardware. (There is some resistance to turning the screw when the anchor is fully expanded.)
- (7) Hold equipment in position; replace screw and tighten.