

B CLAMP SUPPORT

1. GENERAL

1.01 This section covers the description and installation of the B Clamp Support.

1.02 This section is reissued to add information on the use of drive screws and to revise the minimum amount of excess bolt length required.

1.03 The B Clamp Support provides a method of placing a second strand without changing existing type A Cable Suspension Bolts to type B Cable Suspension Bolts.

1.04 The cable suspension bolt must extend a minimum of 1/2 inch beyond the outer nut holding the existing cable suspension clamp to permit installation of a B Clamp Support. If the required length of bolt is not available, type B Cable Suspension Bolts should be installed. The advantage of the B Clamp Support is lost if the cable must be supported for bolt changing.

1.05 A 1/2- by 4-1/2 inch drive screw must be inserted in the hole near the bottom of the B Clamp Support *prior to tensioning the strand* in the following cases.

- (a) When there is an upward change in grade.
- (b) When used to support 25M strand.

1.06 The B Clamp Support can be used in all storm loading areas for all sizes of galvanized strand at maximum span lengths permitted for in-line poles. It may also be used on corners up to 10 feet with 6M strand and up to 5 feet with 10M, 16M, and 25M strand.

2. DESCRIPTION

2.01 The B Clamp Support is a one-piece malleable iron support provided with a T-shaped slot which will fit over the head of a 5/8-inch type A Cable Suspension Bolt.

2.02 A square-headed machine bolt (5/8 by 2-1/4 inch) with nut is mounted on each clamp support to accommodate a standard cable suspension clamp. The head of the machine bolt is held captive in the clamp support to facilitate tightening the nut during the cable suspension clamp installation.

2.03 Spurs are provided on the back of the clamp support to reduce rotation and prevent downslotting of the pole.

2.04 A 9/16-inch hole, located near the bottom of the support, accommodates a 1/2-inch drive screw when required.

2.05 Fig. 1 illustrates the B Clamp Support.

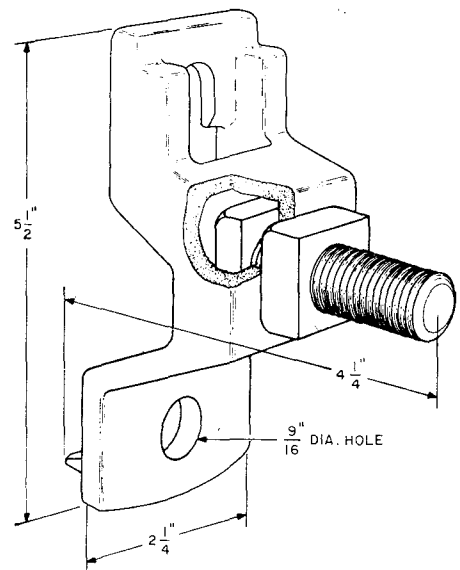


Fig. 1 - B Clamp Support

3. INSTALLATION

3.01 At least 1/2 inch of excess bolt is required to install a B Clamp Support as illustrated in Fig. 2.

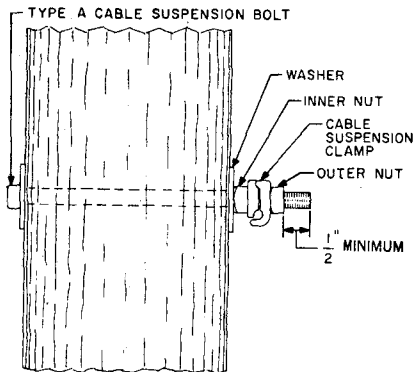


Fig. 2 — Type A Cable Suspension Bolt Mounted on Pole

3.02 Install the B Clamp Support as follows.

(a) Back off the outer nut on the cable suspension bolt until the outer face of the nut is flush with the end of the bolt. (See Fig. 2.)

Caution: Do not remove the outer nut or leave it in a loose condition which would permit it to fall off during subsequent operations. Loss of the outer nut may permit the existing cable and strand to become disengaged from the pole.

(b) Slide out the cable suspension clamp to expose the inner nut on the cable suspension bolt. Back off this inner nut about 1/2 inch and drive the cable suspension bolt back through the pole. The appearance of the opposite side of the pole at this time is illustrated in Fig. 3.

(c) Slide the clamp support over the head of the cable suspension bolt and force the support down until it is seated. The T-shaped slot must be engaged behind the bolt head as illustrated in Fig. 4.

(d) Tighten the inner cable suspension bolt nut, drive the clamp support spurs into the pole, retighten the inner nut, and then tighten the outer cable suspension bolt nut.

Note: The end of the cable suspension bolt must protrude beyond the outer face of the outer nut.

(e) Install the cable suspension clamp on the clamp support using the nut and bolt provided with the clamp support. A completed installation, including a 1/2-inch drive screw, is illustrated in Fig. 5. A drive screw is required only under the conditions covered in 3.03.

(f) On corner poles where the existing cable pulls against the inner cable suspension bolt nut, or if a full sized cable is involved, it is sometimes difficult to slide the cable suspension clamp away from the pole. In this event, use an open end wrench to back off the inner nut against the cable suspension clamp. (See 1.06.)

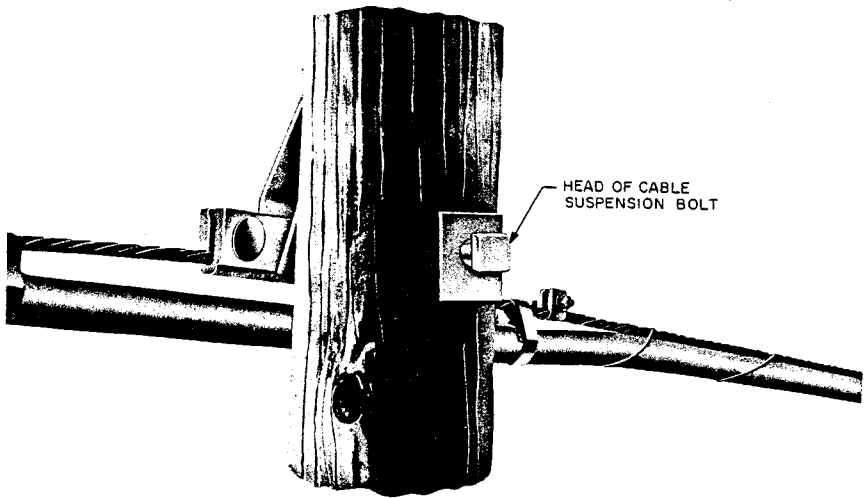


Fig. 3 — Head of Cable Suspension Bolt
Protruding from Pole

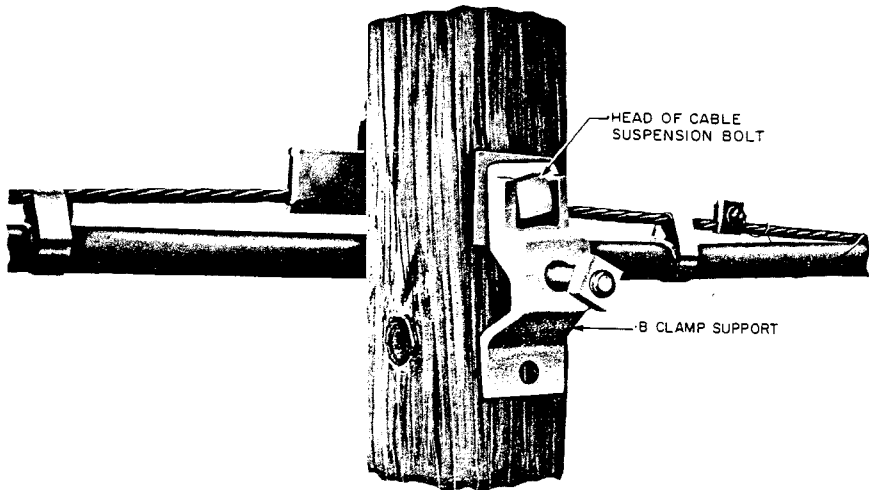


Fig. 4 — B Clamp Support Mounted on Head of Cable
Suspension Bolt

3.03 When the B Clamp Support is used at an upward change in grade or to support 25M strand, install a 1/2-by 4-1/2 inch drive screw in the hole provided near the bottom of the clamp support.

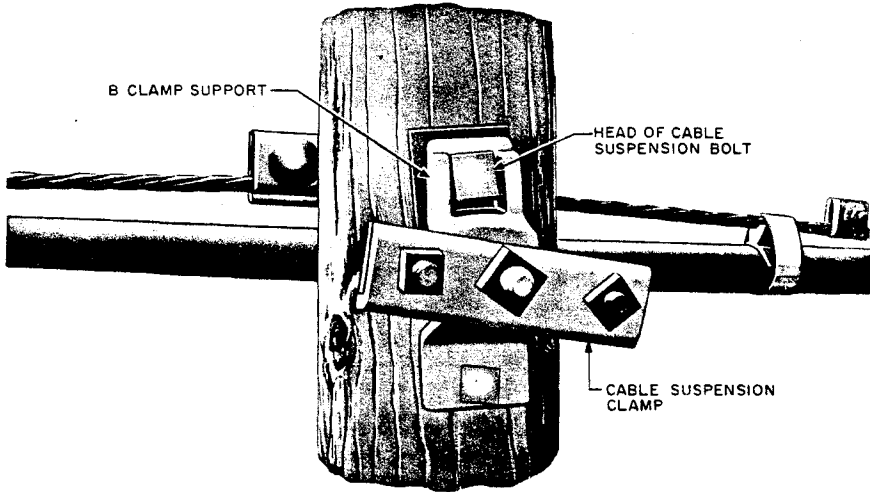


Fig. 5 — Cable Suspension Clamp Mounted on B Clamp Support