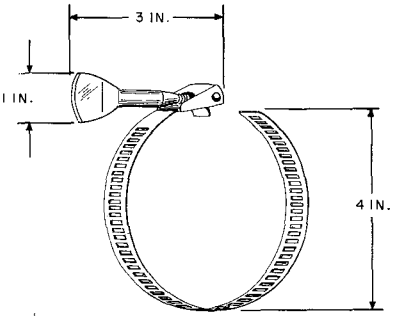
B AND C SPLIT SLEEVE CLAMPS

DESCRIPTION AND USE

1. GENERAL

1.01 This section describes the B and C Split Sleeve Clamps that are used for closing and holding split lead sleeves to facilitate tack soldering operations prior to wiping the splice.

1.02 This section is reissued to include information on the use of B and C Sealing Clamps in lieu of split sleeve clamps and to generally update the text material and illustrations. Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.



B SPLIT SLEEVE CLAMP

2. DESCRIPTION

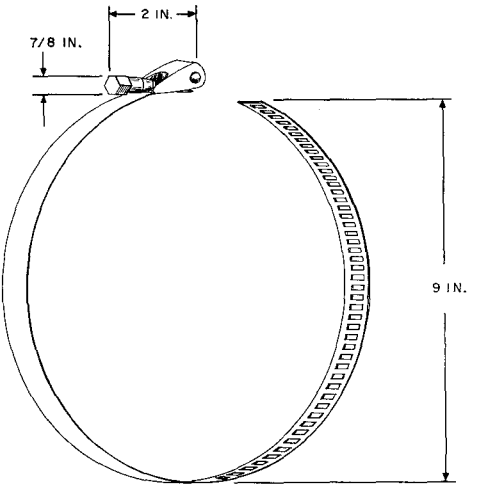
B AND C SPLIT SLEEVE CLAMPS

2.01 Each B and C Split Sleeve Clamp consists of a perforated band, a housing, and a worm screw operating mechanism. All parts except the screw are made of a corrosion resisting metal.

2.02 The B Clamp has a thumbscrew with a flat grip for turning the worm screw by hand. The C Clamp has a hexagonal head screw which can be turned with a 7/16-inch socket wrench (as the 216B Tool), the B Ratchet Wrench, or the 7/16-inch socket with ratchet drive of the D Wrench Kit (Section 081-020-103).

2.03 B and C Split Sleeve Clamps are fast action types. A swivel screw mechanism provides quick locking or release of the perforated band. Alternatively, on the C Clamp only, fast action may be provided by a pushbutton mechanism. Fig. 1 illustrates the B and C Split Sleeve Clamps.

2.04 The B Split Sleeve Clamp will accommodate lead sleeves from 1 inch to 3-1/2 inches in diameter. The C Split Sleeve Clamp will accommodate lead sleeves from 3-1/2 inches to 8 inches in diameter.



C SPLIT SLEEVE CLAMP

Fig. 1—B and C Split Sleeve Clamps

B AND C SEALING CLAMPS

2.05 The B and C Sealing Clamps are basically similar in construction to the B and C Split Sleeve Clamps except that the B Sealing Clamp does not have a quick engage or release screw mechanism. All parts of the B and C Clamps are made of corrosion resisting metal.

2.06 The B Sealing Clamp is a slow-action type clamp. The screw must be turned to advance the perforated band through the housing (Fig. 2). The B Clamp covers a range of diameters from 9/16 inch to 1-1/16 inches.

2.07 The C Sealing Clamp is a fast-action type clamp. The free end of the perforated band may be pushed through the worm screw housing ***before*** the worm screw is engaged for final tightening of the clamp. A pushbutton or swivel screw mechanism provides a quick locking or release of the band (Fig. 2). The C Sealing Clamp is available in three sizes covering a range of diameters 13/16 inch to 4 inches. Refer to Table A for the sizes of clamps available.

2.08 The hex head screws of the B and C Sealing Clamps can be turned with a 3/8-inch socket wrench (as the 216B Tool) or the 3/8-inch socket with ratchet drive of the D Wrench Kit. In addition, the heads are slotted so they may be turned with a screwdriver.

3. USE

B AND C SPLIT SLEEVE CLAMPS

3.01 To use the B or C Split Sleeve Clamp, proceed as follows:

(1) Release the perforated band from the housing by lifting up on the worm screw mechanism of the B or C Clamp or, alternatively for the C Clamp only, by pressing the pushbutton at the other end of the worm screw.

(2) Pass the band around the split lead sleeve and push the free end of the band through the worm screw housing until the band is snug around the sleeve.

(3) On a B or C Clamp with a swivel-type worm screw mechanism, push the end of the screw down to engage the perforated band. On a pushbutton-type C Clamp, push the hex head screw into the housing to engage the band.

(4) Turn the thumbscrew on the B Clamp by hand, and tighten as required. Turn the hex head screw on the C Clamp with a socket or ratchet wrench (2.02), and tighten as required.

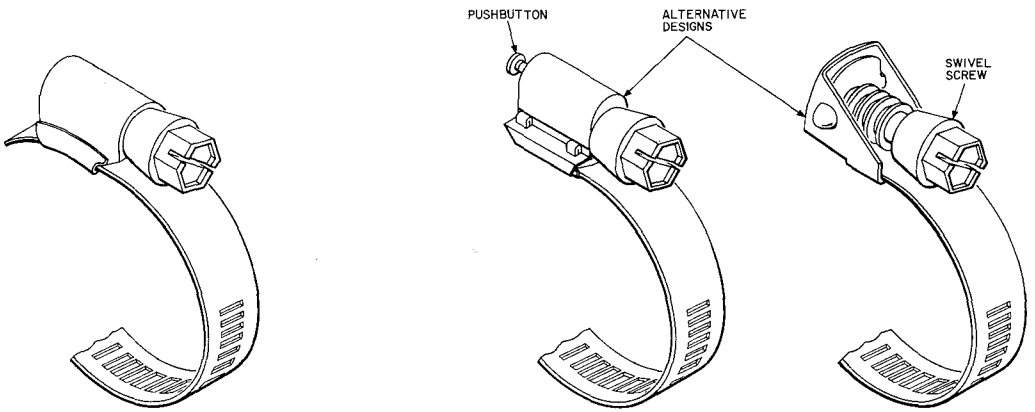


Fig. 2—B and C Sealing Clamps

Fig. 3 shows the B and C Split Sleeve Clamps installed on split lead sleeves.

TABLE A

B AND C SEALING CLAMPS

DESIG.	CLAMP SIZES (IN.)	COM-MERCIAL SIZE NO.	RANGE DIA. (INCHES)	
			MIN.	MAX.
B	1-1/16	10	9/16	1-1/16
C	1-3/4	20	13/16	1-3/4
C	2	24	1-1/16	2
C	4	56	1	4

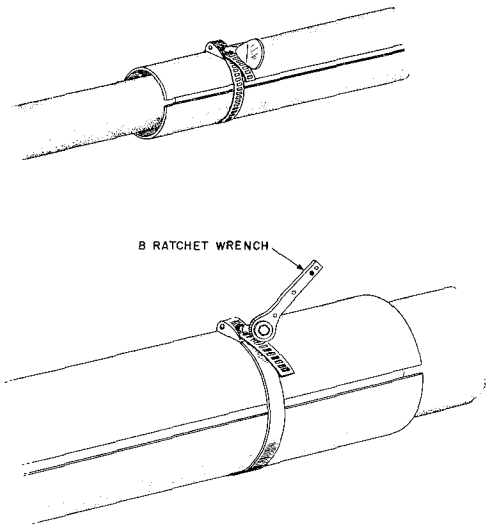


Fig. 3—B and C Split Sleeve Clamps Installed

B AND C SEALING CLAMPS

3.02 To use the B Sealing Clamp, proceed as follows:

(1) Release the perforated band from the housing by reversing the worm screw.

(2) Pass the band around the split lead sleeve and engage the free end in the housing by turning the screw. Tighten with a screwdriver, a 3/8-inch socket wrench (as the 216B Tool), or the 3/8-inch socket with ratchet drive of the D Wrench Kit.

3.03 To use the C Sealing Clamp, proceed as follows:

(1) Select the proper size clamp from Table A.

(2) Release the perforated band from the housing by lifting up on the worm screw mechanism or by pressing the pushbutton at the other end of the worm screw.

(3) Pass the band around the split lead sleeve and push the band through the housing until the band is snug around the sleeve.

(4) On a swivel-type clamp, push the worm screw mechanism down to engage the perforated band. On a pushbutton-type clamp, push the hex head screw into the housing to engage the band.

(5) Make the final tightening on the clamp with a screwdriver or wrench. [See 3.02(2)]