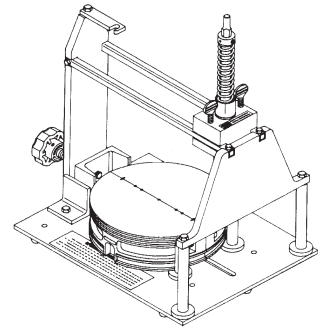




ARMADILLO® DRILLABLE END PLATE KIT

INSTALLATION INSTRUCTIONS



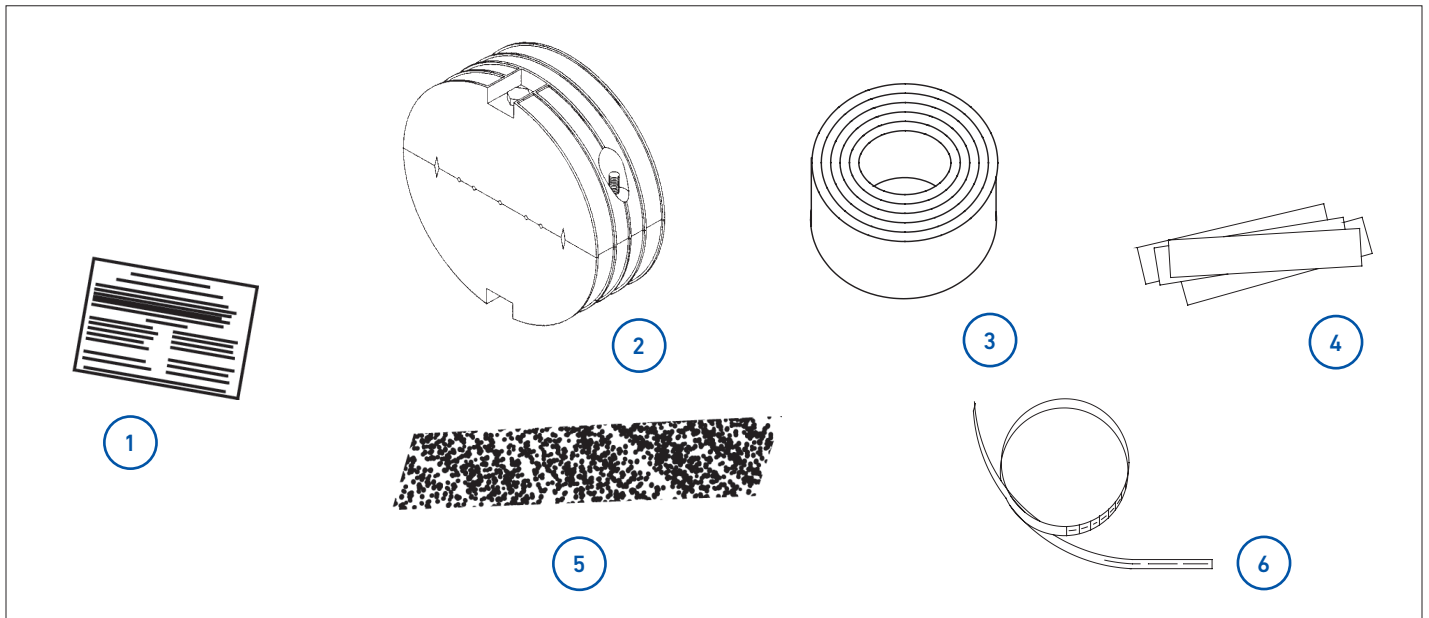
IMPORTANT SAFETY INFORMATION

READ AND COMPLETELY UNDERSTAND ALL INSTRUCTIONS BEFORE INSTALLING PRODUCT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY OR DEATH.

This product is intended for use by trained technicians only. This product should not be used by anyone who is not familiar with and not trained to use it. When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment per your company protocol. These instructions are not intended to supersede any company construction or safety standards. These instructions are offered only to illustrate safe installation for the individual. PLP products are intended for the specified application only. Do not modify this product under any circumstances. Do not reuse or reinstall any PLP product unless that capability is expressly indicated in the product's Installation Instructions. For proper performance and personal safety, be sure to select the proper PLP product before installation. PLP products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PACKAGE COMPONENTS

END PLATE ASSEMBLY KIT



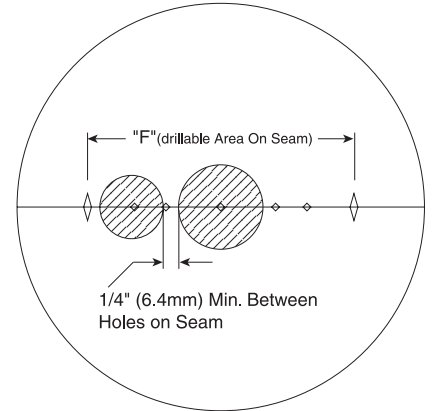
1. Cue Card
2. End Plate Assembly (Two-Section Shown)
3. LOCK-TAPE™ Sealant Roll
4. LOCK-TAPE™ Sealant Strip

5. Emery Cloth (1)
6. CABLE Mea-SURE™ Tape

DIMENSIONS AND CAPACITIES

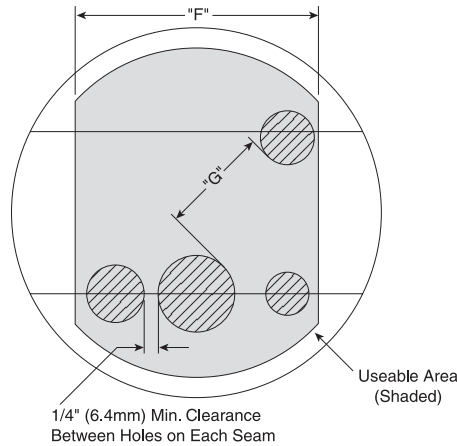
Two-Section End Plates

End Plate Size		F		Maximum Combined Cable Diameters							
				1 Cable		2 Cables		3 Cables		4 Cables	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
4.0	102	8.75	56	2.2	56	1.95	50	1.70	43	1.45	37
6.5	165	8.50	104	4.1	104	3.85	98	3.60	91	3.35	85
8.0	203	8.25	142	5.6	142	5.35	136	5.10	130	4.85	123
9.5	241	7.75	180	7.1	180	6.85	174	6.60	168	6.35	161
12.5	318	7.25	236	9.3	236	9.05	230	8.80	224	8.55	217



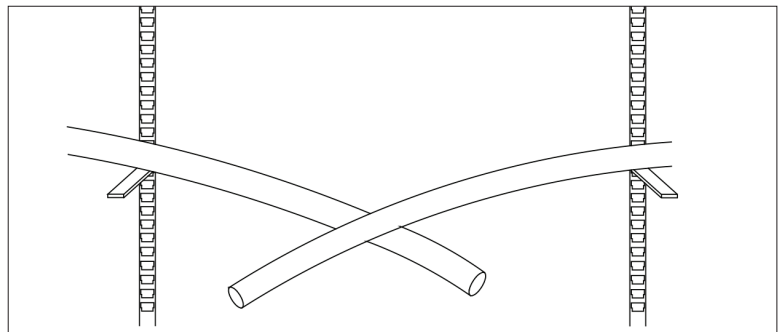
Three-Section End Plates

End Plate Size		G	
in	mm	in	mm
4.0	165	3/8	10
8.0	165	1/2	13
9.5	203	1/2	13
12.5	318	3/4	19

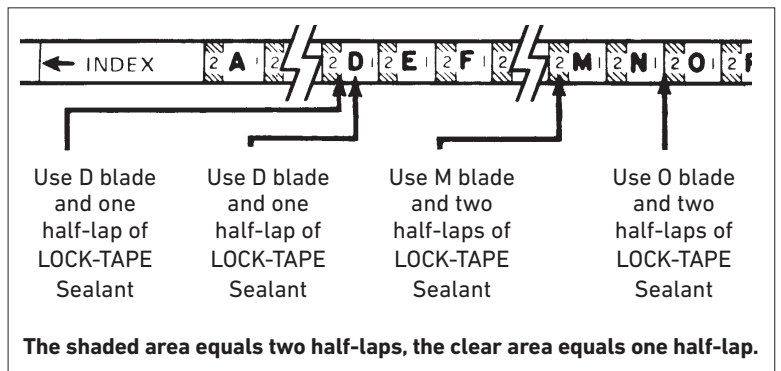


RACKING AND SECURING CABLE

- Have at least 6 in (152 mm) of straight and non-stressed cables entering the End Plates.



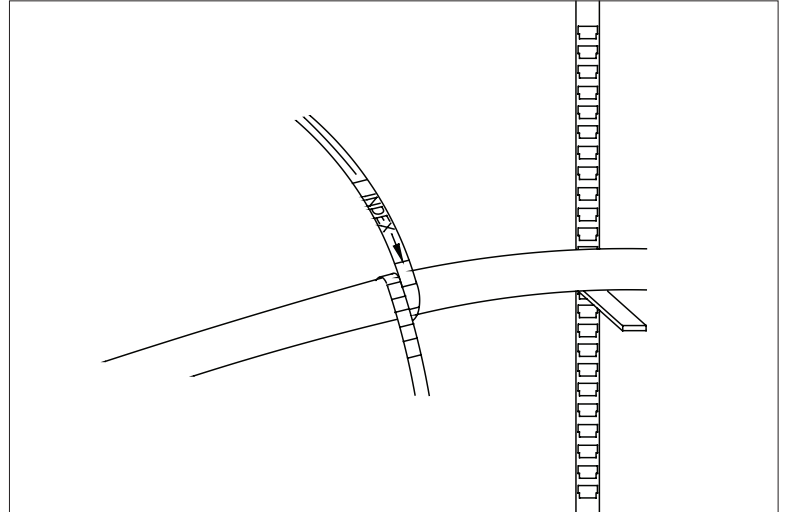
- Measure the cable to determine the proper blade sizes and number of LOCK-TAPE™ Sealant layers. If the index line falls on a line, use the measurement immediately to the right of the line.



3

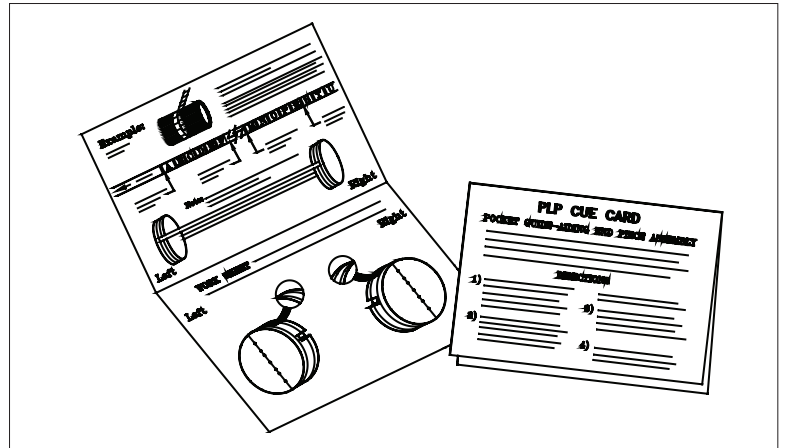
Wrap the CABLE Mea-SURE™ Tape around the cable to determine the proper blade size and number of layers of LOCK-TAPE™ Sealant.

NOTE: For lead sheath cable, apply two half-lapped layers of LOCK-TAPE Sealant first, then measure with CABLE Mea-SURE Tape to determine proper blade size and additional number of layers of LOCK-TAPE Sealant.

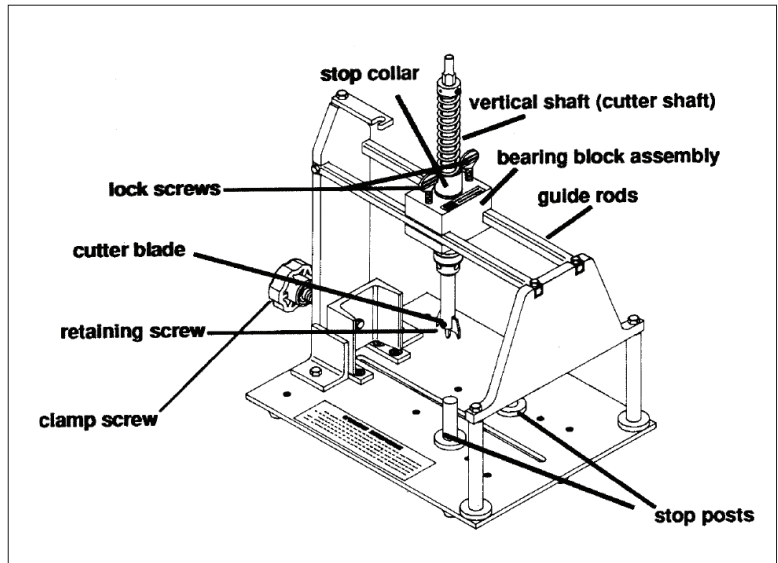


4

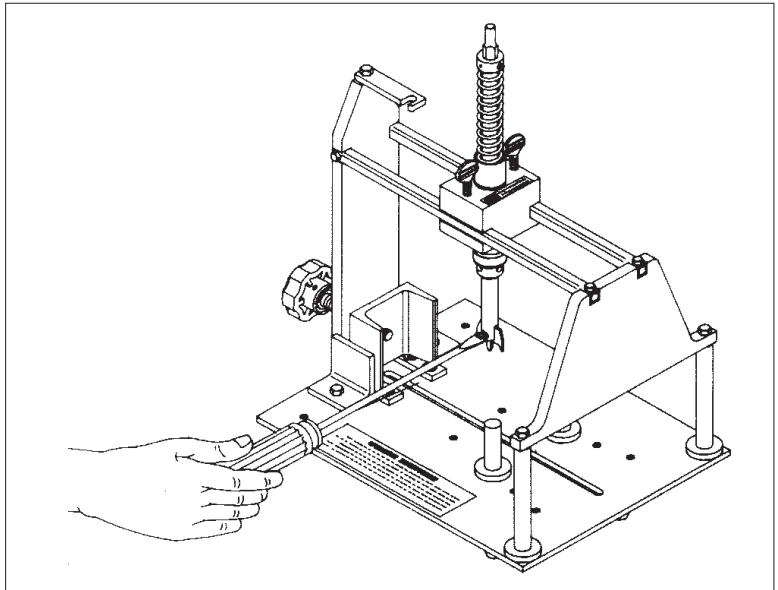
Use the PLP® CUE CARD as a worksheet to ensure correct cutter blade size, proper hole cutting locations, and correct amount of LOCK-TAPE Sealant.



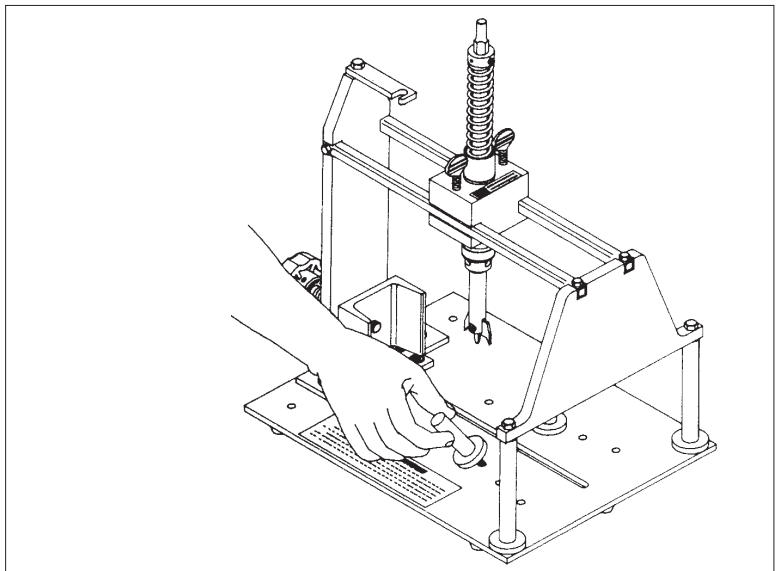
POWER END PLATE CUTTER



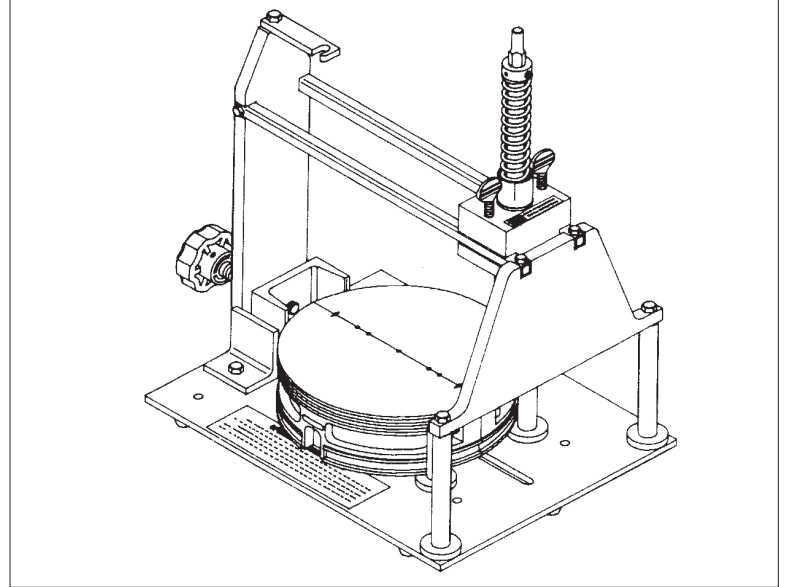
- 5 Slide the blade into the adapter and tighten the retaining screw.



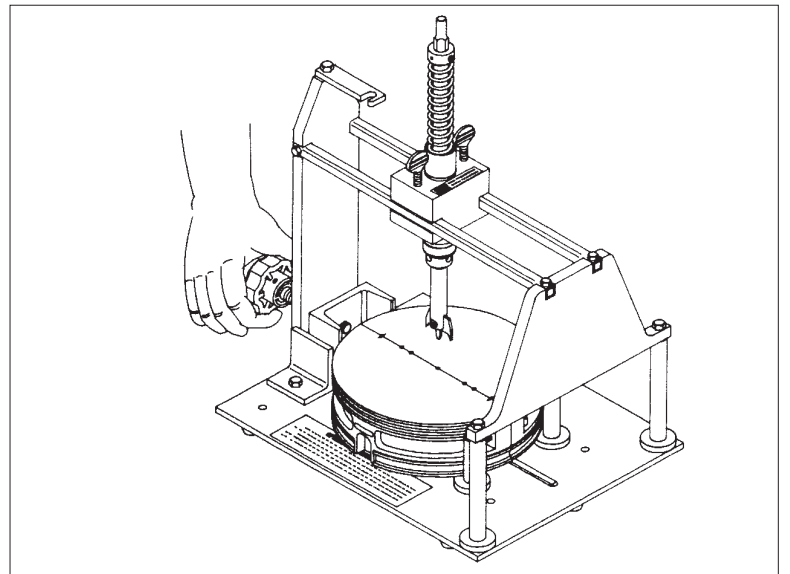
- 6 Insert stop posts and hand-tighten firmly.



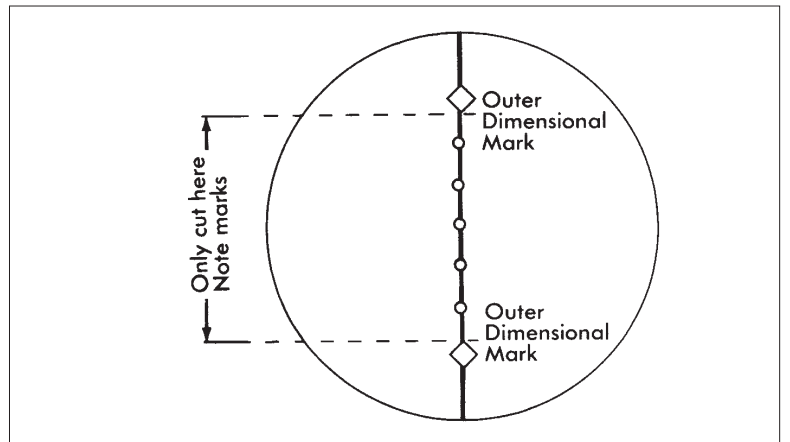
- 7 Place End Plate in the cutter on top of flanges of stop posts and clamp-jaw guides.



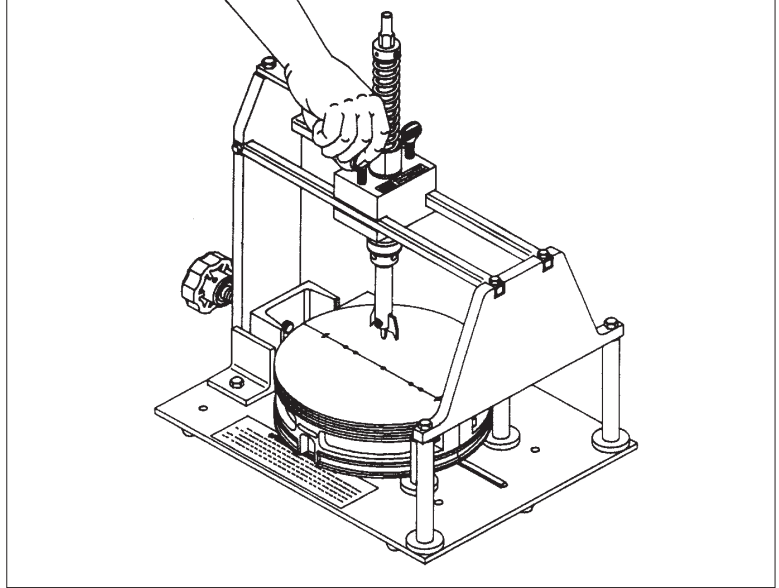
- 8 Place End Plate in with seam parallel to the guide rods and hand-tighten clamp screw.



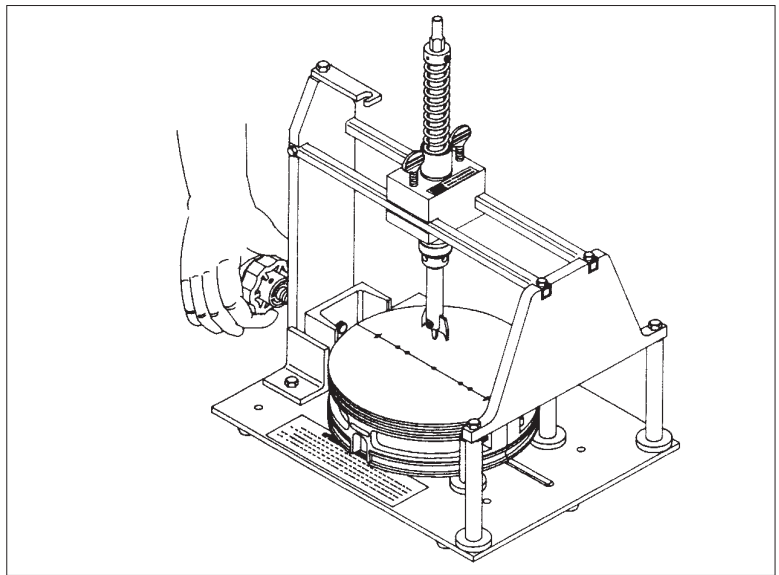
- 9 Position the blade inside the designated marks.



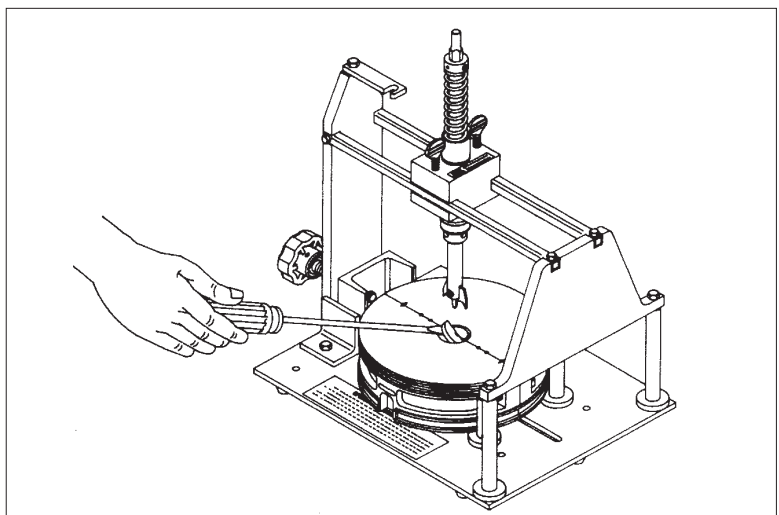
- 10 Loosen the lock screw in the bearing block and lower the shaft until the center point of the cutter blade is on the desired position for the center of the hole.



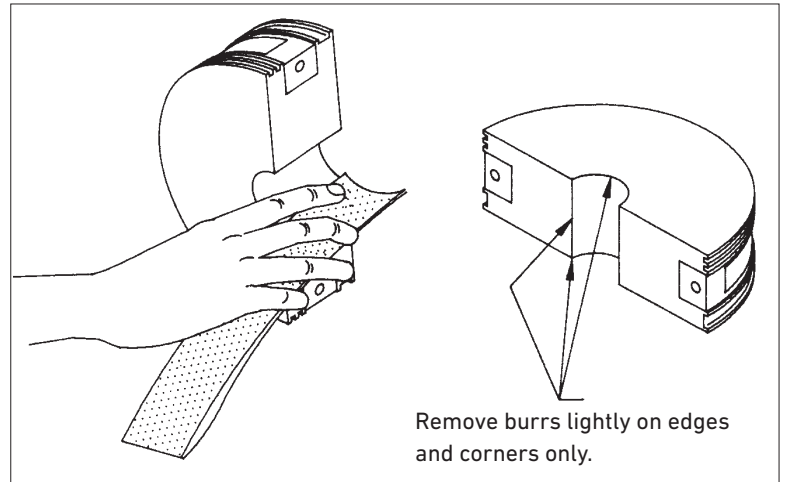
- 11 Mount a 3/8" electric drill to the upper end of the cutter shaft. Cut through the black plastic until the foam is just visible in the ring.



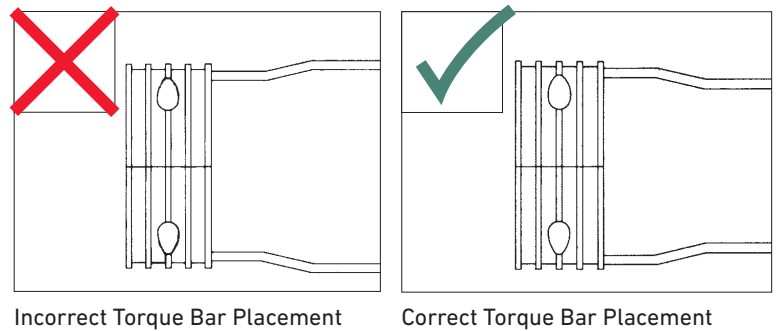
- 12 Use a screwdriver to pop out the plastic disc (not necessary for A, B, C, and D blades). Continue drilling until stop collar on shaft bottoms on the bearing block.



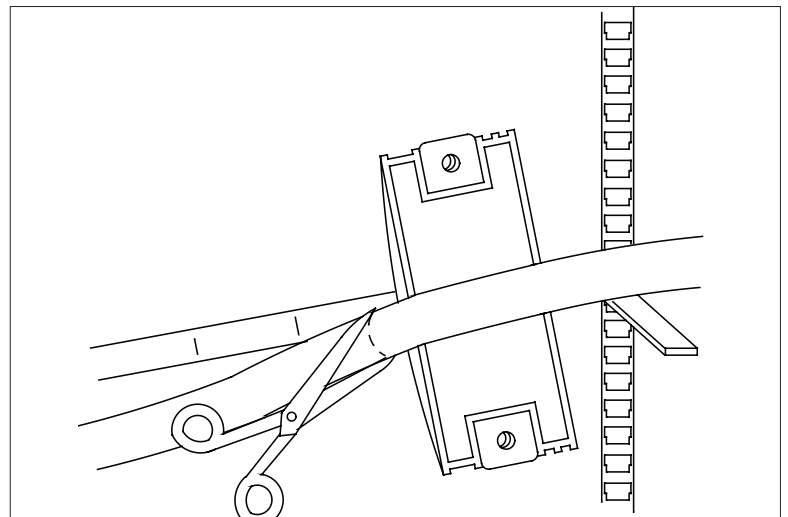
- 13 Scuff lightly using the emery cloth provided with the kit. Be careful not to remove too much material.



- 14 Apply Torque Bars to End Plates with threaded bolt holes. The offset in the bars should face the splice bundles as shown in the above drawing.

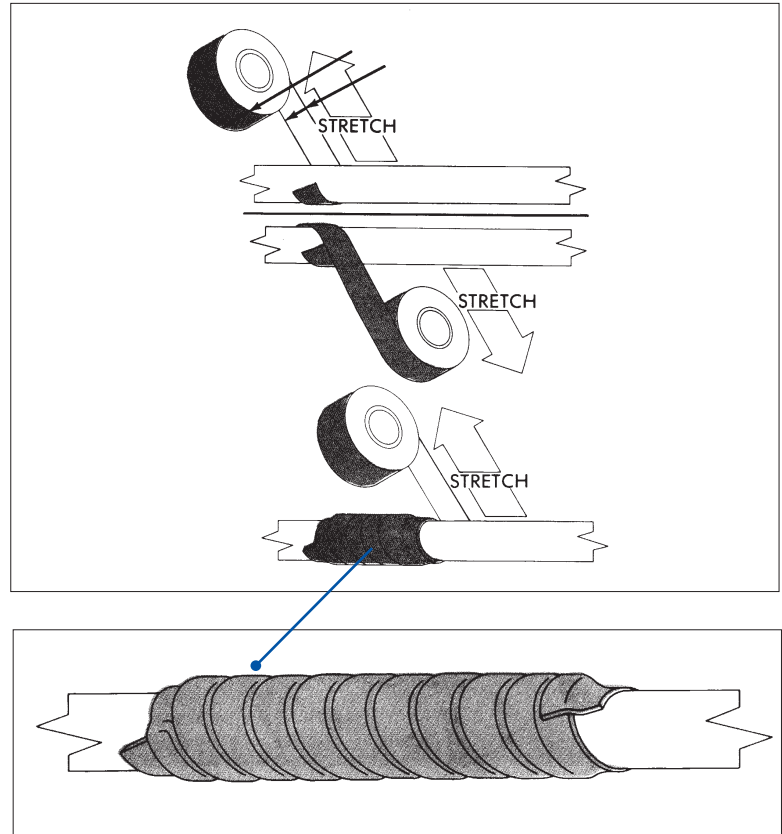


- 15 Use the Torque Bar Assembly to mark the area to be cleaned and scuffed. Mark a 6" (152 mm) cable opening and coat the scuffed area with C-Cement and allow it to dry to a tacky base.



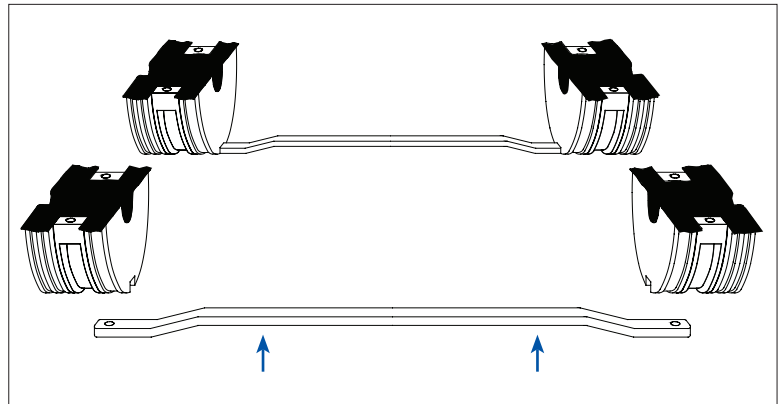
- 16 Half-lap LOCK-TAPE™ Sealant around cable. Stretch while applying to reduce its width to 1-1/8".

NOTE: Be sure to keep the LOCK-TAPE™ Sealant wrap dry, free from grease and dirt.

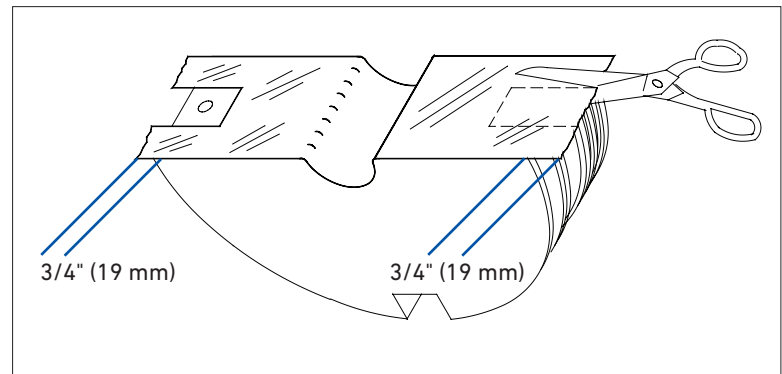


LOCK-TAPE Sealant applied to sheath

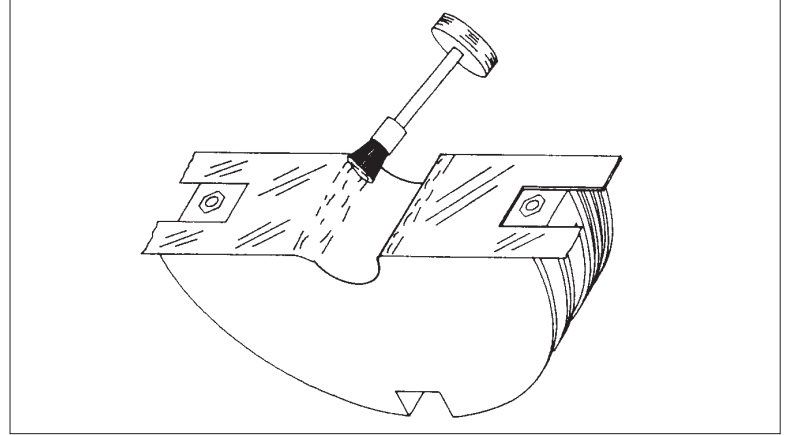
- 17 Apply C-Cement to the End Plate surfaces.



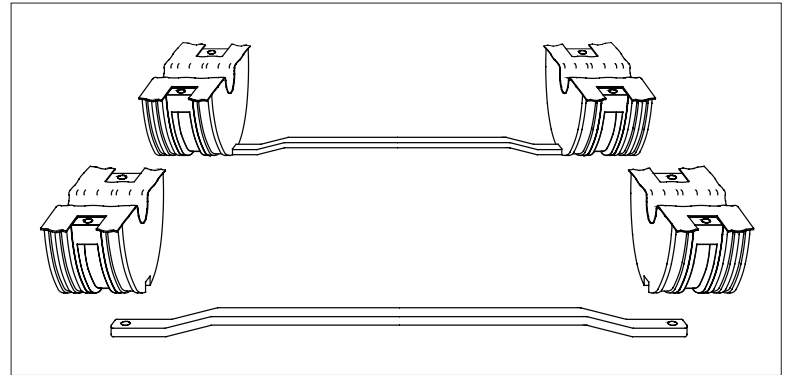
- 18 Apply LOCK-TAPE Sealant to End Plate halves without stretching. Leave 3/4" (19 mm) of sealant extending beyond End Plate on both sides. Square cut the tape away from bolt holds.



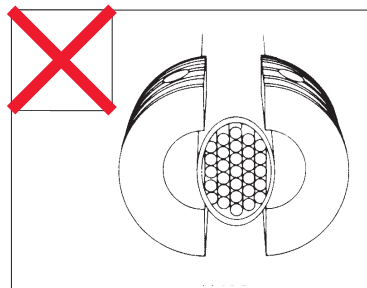
- 19 Paint a strip of C-Cement over the LOCK-TAPE™ Sealant along the edge of the cable openings.



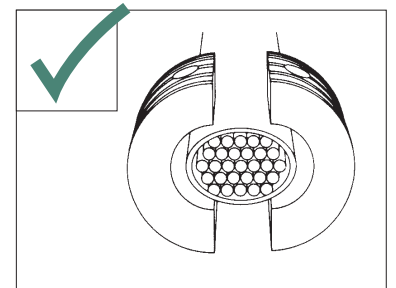
- 20 Completed preparation of the End Plate halves.



- 21 Using the cable shaper, compress cable to form a slight oval. Then, place End Plates as shown.

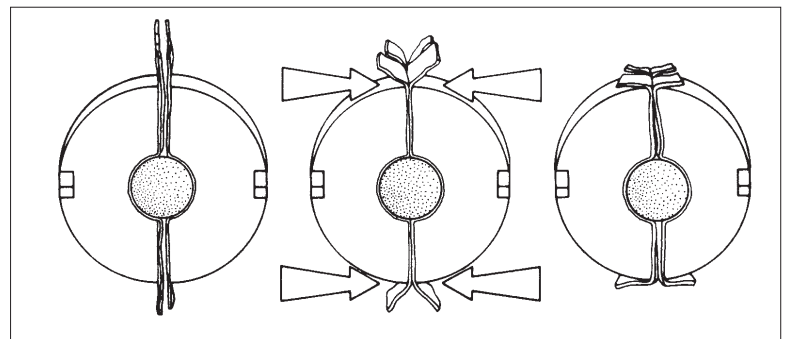


Incorrect



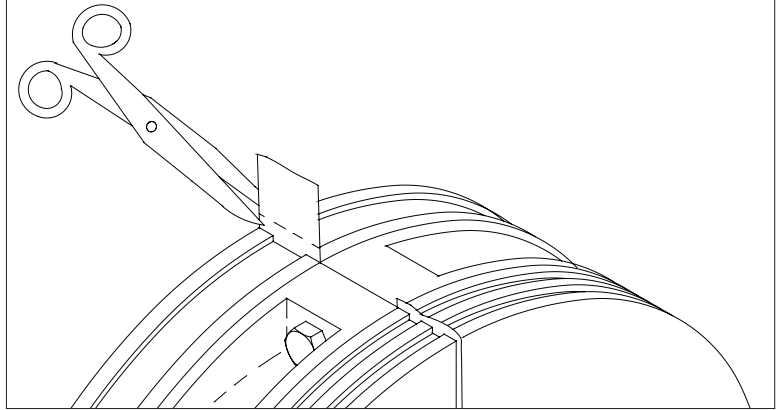
Correct

- 22 Using a ratchet wrench, draw the End Plate halves together evenly until the excess LOCK-TAPE Sealant separates and lays back.

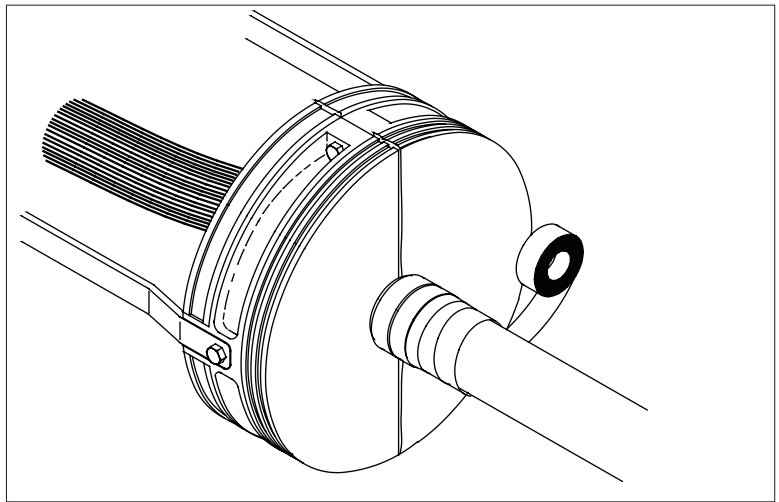


- 23 Trim the LOCK-TAPE™ Sealant flush with the End Plate.

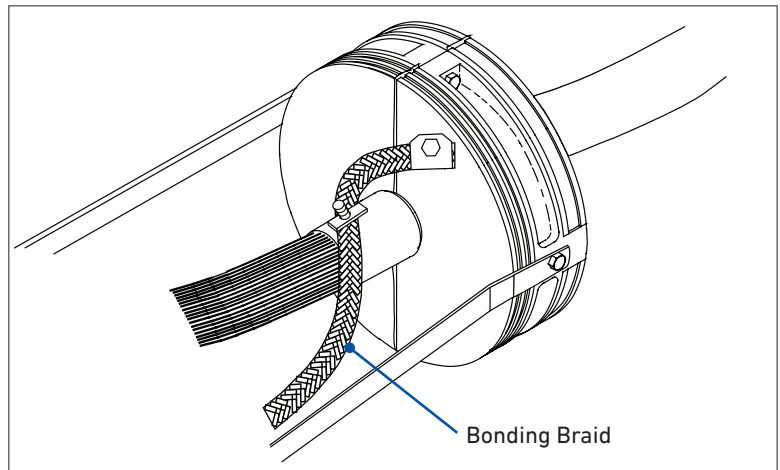
NOTE: DO NOT pull sealant.



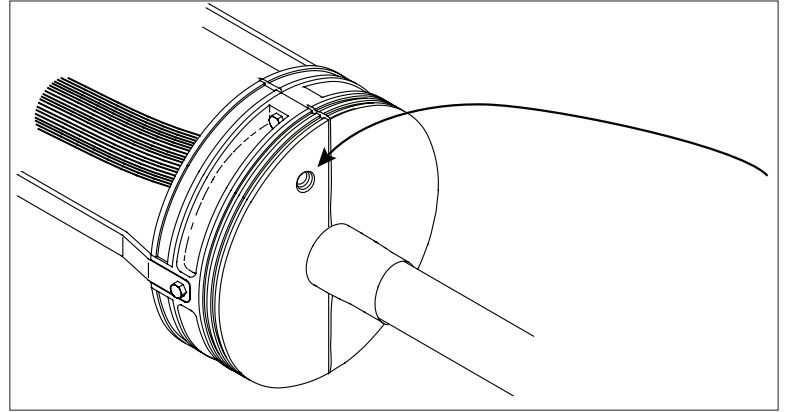
- 24 Apply two wraps of vinyl tape over exposed LOCK-TAPE Sealant on cables.



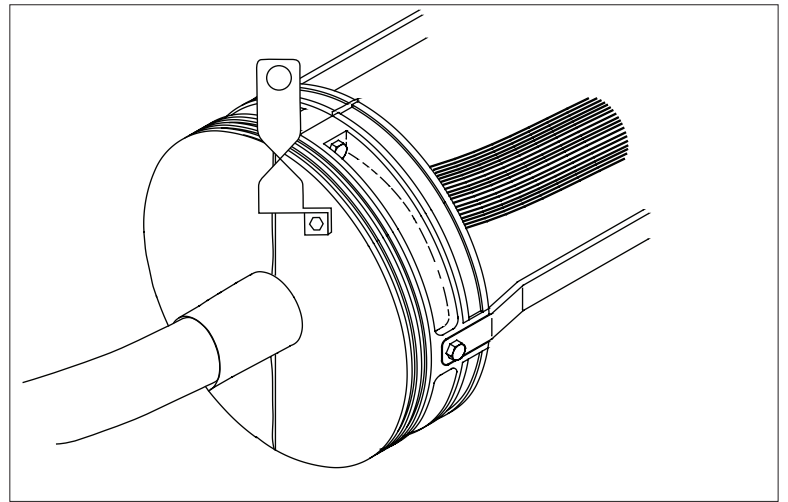
- 25 For End Plates with a Bonding Insert, extend internal Bonding Braid through Shield Connector to End Plate inset. Attach Bonding Braid to End Plate with Bonding Clip (provided).



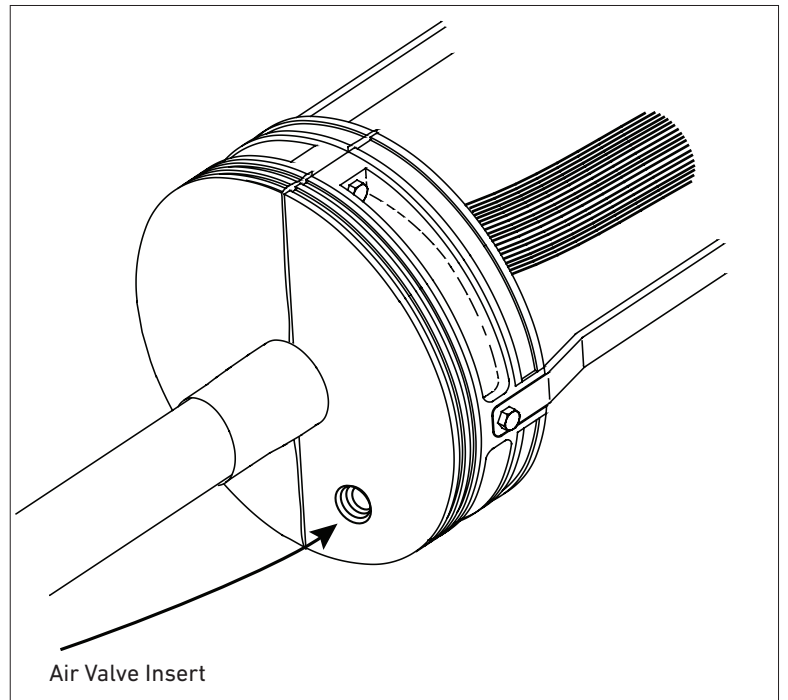
- 26 For Underground & Buried Applications, attach the Bonding Braid or Bonding Strap to the Insert on exterior of End Plate following standard company practices.



- 27 For Aerial applications, attach Aerial Hanger Bracket (available from PLP) to the Insert on exterior of both End Plates, and attach to strand with messenger clamp (not provided).



- 28 For End Plates with Air Valve Inserts, install an "F" Valve (not supplied) to flash test closure. Remove "F" Valve after the flash test and install plug (provided).





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