

## E-LOC® TRANSITION COUPLING



The E-Loc Transition Coupling is a compression coupling used to provide a watertight / airtight connection for different diameter duct in buried or restrained applications. The E-Loc Transition Coupling has all the great features as the standard E-Loc Coupling including the ability to join dissimilar materials such as PVC, HDPE, fiberglass or metal.

The E-Loc Transition Coupling is watertight to 200 psi when restrained on smooth wall, ribbed and corrugated duct. Custom lengths and transitions are also available.

**E-LOC® TRANSITION COUPLING**

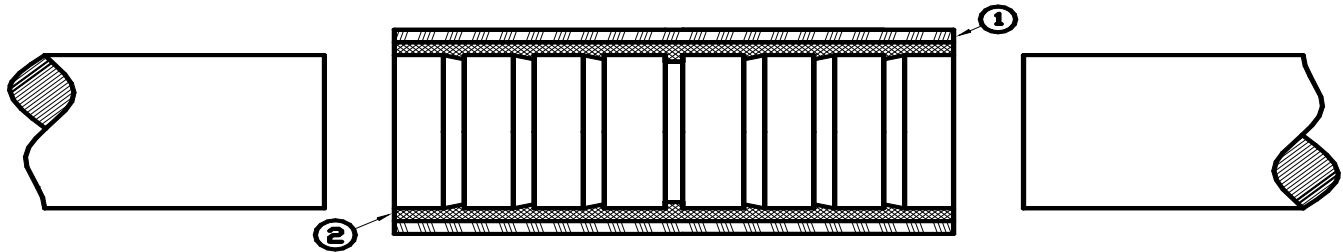
<b>Part No.</b>	<b>Description</b>
ELA-086084	CPLG, E-LOC TRANS .0860" X 0.840"
ELA-135131	CPLG, E-LOC TRANS 1.350" X 1.315"
ELA-150131	CPLG, E-LOC TRANS 1.500" X 1.315"
ELA-154131	CPLG, E-LOC TRANS 1.540" X 1.315"
ELA-154131R	CPLG, E-LOC TRANS 1.540" X 1.315" RIB
ELA-154142	CPLG, E-LOC TRANS 1.540" X 1.425"
ELA-157123	CPLG, E-LOC TRANS 1.570" X 1.230"
ELA-160150	CPLG, E-LOC TRANS 1.600" X 1.500"
ELA-166105	CPLG, E-LOC TRANS 1.660" X 1.050"
ELA-166131	CPLG, E-LOC TRANS 1.660" X 1.315"
ELA-166137	CPLG, E-LOC TRANS 1.660" X 1.375"
ELA-166140	CPLG, E-LOC TRANS 1.660" X 1.400"
ELA-166150	CPLG, E-LOC TRANS 1.660" X 1.500"
ELA-166154	CPLG, E-LOC TRANS 1.660" X 1.540"
ELA-166158	CPLG, E-LOC TRANS 1.660" X 1.580"
ELA-166160	CPLG, E-LOC TRANS 1.660" X 1.600"
ELA-177154	CPLG, E-LOC TRANS 1.770" X 1.540"
ELA-190131	CPLG, E-LOC TRANS 1.900" X 1.315"
ELA-190154R	CPLG, E-LOC TRANS 1.900" X 1.540" RIB
ELA-190157	CPLG, E-LOC TRANS 1.900" X 1.575"
ELA-190157R	CPLG, E-LOC TRANS 1.900" X 1.575" RIB
ELA-190160	CPLG, E-LOC TRANS 1.900" X 1.600"
ELA-190160R	CPLG, E-LOC TRANS 1.900" X 1.600" RIB
ELA-190166	CPLG, E-LOC TRANS 1.900" X 1.660"
ELA-190175	CPLG, E-LOC TRANS 1.900" X 1.750"
ELA-235183	CPLG, E-LOC TRANS 2.350" X 1.830"
ELA-237131	CPLG, E-LOC TRANS 2.375" X 1.315"
ELA-237154	CPLG, E-LOC TRANS 2.375" X 1.540"
ELA-237166	CPLG, E-LOC TRANS 2.375" X 1.660"
ELA-237190	CPLG, E-LOC TRANS 2.375" X 1.900"
ELA-237220	CPLG, E-LOC TRANS 2.375" X 2.197"
ELA-287237	CPLG, E-LOC TRANS 2.875" X 2.375"



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Part No.	Description
ELA-350190	CPLG, E-LOC TRANS 3.500" X 1.900"
ELA-350237	CPLG, E-LOC TRANS 3.500" X 2.375"
ELA-350287	CPLG, E-LOC TRANS 3.500" X 2.875"
ELA-435350	CPLG, E-LOC TRANS 4.350" X 3.500"
ELA-450237	CPLG, E-LOC TRANS 4.500" X 2.375"
ELA-450287	CPLG, E-LOC TRANS 4.500" X 2.875"
ELA-450350	CPLG, E-LOC TRANS 4.500" X 3.500"
ELA-450400	CPLG, E-LOC TRANS 4.500" X 4.000"
ELA-450421	CPLG, E-LOC TRANS 4.500" X 4.215"
ELA-450435	CPLG, E-LOC TRANS 4.500" X 4.350"
ELA-450435-12	CPLG, E-LOC TRANS 4.500" X 4.350" X 12" LG
ELA-450435-18	CPLG, E-LOC TRANS 4.500" X 4.350" X 18" LG
ELA-471435	CPLG, E-LOC TRANS 4.710" X 4.350"
ELA-471450	CPLG, E-LOC TRANS 4.710" X 4.500"
ELA-476400	CPLG, E-LOC TRANS 4.760" X 4.000"
ELA-476435	CPLG, E-LOC TRANS 4.760" X 4.350"
ELA-476435-8	CPLG, E-LOC TRANS 4.760" X 4.350" X 8" LG
ELA-476450	CPLG, E-LOC TRANS 4.760" X 4.500"
ELA-476450-8	CPLG, E-LOC TRANS 4.760" X 4.500" X 8" LG
ELA-476450-14	CPLG, E-LOC TRANS 4.760" X 4.500" X 14" LG
ELA-492450	CPLG, E-LOC TRANS 4.920" X 4.500"
ELA-556350	CPLG, E-LOC TRANS 5.563" X 3.500"
ELA-556435	CPLG, E-LOC TRANS 5.563" X 4.350"
ELA-556450	CPLG, E-LOC TRANS 5.563" X 4.500"
ELA-556450-12	CPLG, E-LOC TRANS 4.920" X 4.500" X 12" LG
ELA-662450	CPLG, E-LOC TRANS 6.625" X 4.500"
ELA-662556	CPLG, E-LOC TRANS 6.625" X 5.563"
ELA-662556-12	CPLG, E-LOC TRANS 6.625" X 5.563" X 12" LG
ELA-690662-12	CPLG, E-LOC TRANS 6.900" X 6.625" X 12" LG
ELA-700662	CPLG, E-LOC TRANS 7.000" X 6.625"
ELA-702662	CPLG, E-LOC TRANS 7.017" X 6.625"

## UTILITY CONDUIT JOINTING SYSTEM E-LOC® COUPLINGS\*



(Cross Section)

### Material Specifications:

1. PVC sleeve stock conforms to NEMA TC2, TC6 & TC8 and ASTM F-512. The sleeve stock is rated for 90° C.
2. Polyurethane elastomer is ETCO 8706 thermosetting elastomer manufactured for sealing rings and gasket material.

### Specifications:

Color.....	Black
Hardness (ASTM-D-676).....	68 Shore A
Tensile (ASTM-D-412).....	800 psi
Tear (ASTM-D-624 Die "C").....	188 pli
Elongation (ASTM-D-412).....	160%
Specific Gravity (ASTM-D-792).....	1.24
Compression Modulus – 10% (ASTM-D-575).....	212-220 psi

\*U. S. Patent No. 5,180,197

## INSTALLATION INSTRUCTIONS FOR E-LOC® COUPLINGS / E-LOC® TRANSITION COUPLINGS

1. Check and make sure size of coupling is same as conduit being installed. E-Loc Couplings / Transition Couplings are based on standard O.D. sizes.
2. Wipe ends of conduit clean. Make sure it is clean of burrs, dirt, or foreign material.
3. To insure the coupling is fully inserted, place a reference point mark on both ends of the conduit a distance from the end equal to  $\frac{1}{2}$  the overall length of the coupling. For example, if using a 6" long coupling, place a mark 3" from each end of the conduit; on 8" long couplings, place a mark 4" from each end and so forth depending upon length of the coupling. When properly installed, the mark should be visible against each end of the coupling.
4. The ends of the conduit can be lubricated with water or water with a small amount of liquid dishwashing soap. ***(Do not use motor oil or thread lubricants commonly used for metal pipe threads. This includes W-D 40® "type" lubricant.)***
5. On smaller diameter conduit, position coupling on the conduit, place a board across the end and hit with a small mallet or hammer. For easier installation of the E-LOC Transition Couplings, ETCO suggests installing the larger end of the conduit first – if possible. (Do not hit the coupling directly with the hammer.) On larger diameter conduit, clean and lubricate ends per steps #1 thru #4. Use a bar and a block to push the joint. If a hammer and block of wood are used, make sure wood is in contact with both sides of the coupling and hit block center. (Do not hit the coupling directly with the hammer.) Check to make sure conduit is all the way "home" using the reference point mark.
6. When joining conduit off a reel, install the E-Loc Coupling / Transition Coupling on conduit end coming from reel using steps #1 thru #5 above. After the coupling is on properly, push the installed coupling onto the clean second conduit end (lubricate if needed). If necessary, place a small board on the edge of coupling toward the reel and drive coupling on to second conduit. (Do not hit coupling directly with the hammer.)