

Fire Department Connections: Anti-Theft Lockdown Procedure



Stolen fire department connections place the entire building and its occupants at risk.

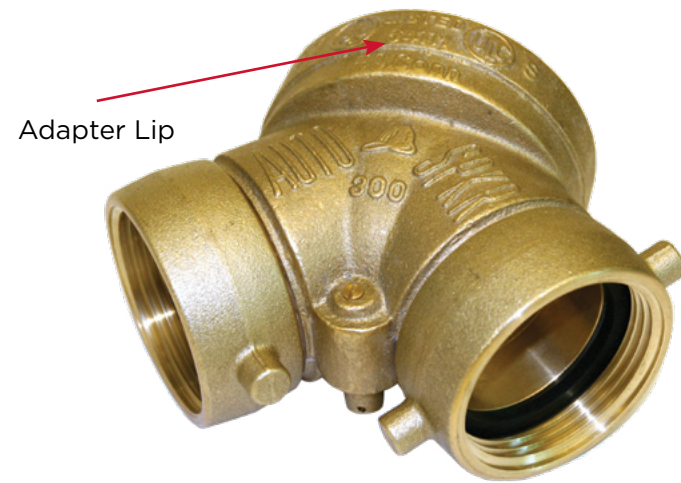
Teflon tape may ensure a good thread seal, but it does nothing to ensure the connection itself remains on the building.

This procedure will help ensure that Fire Department Connections in your jurisdiction are present when you need them.



FDC Anti-Theft Lockdown Procedure Example

The following example illustrates steps that can be taken to make all types of FDC connections less vulnerable to theft/attack. In today's world, procedures such as these are necessary to ensure the FDC assembly is permanently secured to the pipe thread on the building.



This procedure involves installing one or more 5/16-18 Allen set screws as well as a special permanent adhesive in order to secure FDC Brass to the pipe thread on the building. This will minimize the chance of theft.

1



Use **Letter F** drill bit to drill a hole entirely through the brass adapter lip, approximately 1/2" from lip edge. One hole provides extra security. **Three holes spaced 120° apart will provide much better security!**

2



Tap threads in the hole/s using a 5/16-18 thread tap.

3

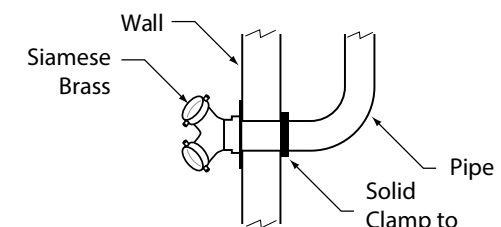


Clean pipe threads thoroughly with solvent, wire brush, and dry completely. **NO** grease or oil can be present on the pipe threads in order for adhesive to work properly.

5



Tighten and position FDC brass adapter on pipe.



Note: To minimize potential of pipe being removed from outside, attach a clamp to secure pipe from the inside.

4

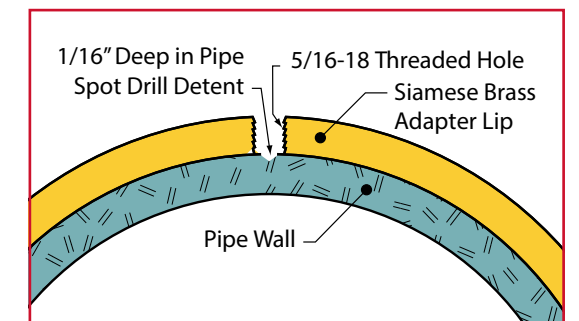


Apply PermaBond HM162 to **BOTH** threads on adapter and threads on pipe. Coating should be thin, but needs to completely coat the threads.

6



Use 1/4" drill bit to spot drill through the set screw hole/s in adapter and into pipe approximately 1/16" deep. **DO NOT OVERDRILL TOO DEEP AND PIERCE PIPE.**

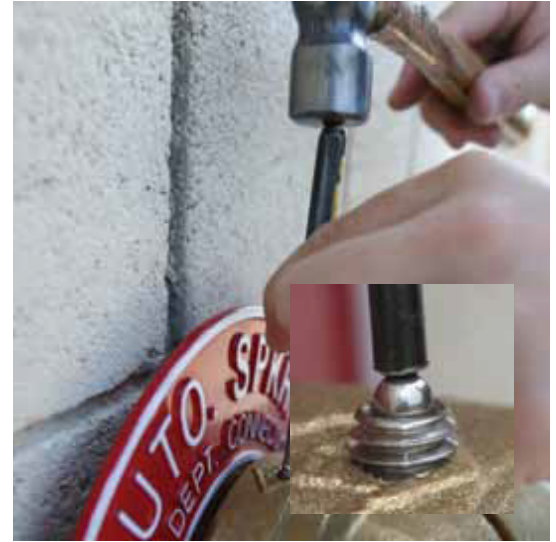


7



Clean drill holes of debris then place a small amount of remaining Permabond HM162 in hole and on set screws, then install set screws, securing firmly with a 5/32" Allen wrench.

8



After set screws have been secured, insert a ball bearing slightly larger than the Allen socket hole into the screw head and use punch to hammer into place. Alternatively, fill the screw head with a permanent epoxy material.

This should virtually eliminate removal attempts.

9

Consider Implementing the Knox FDC Protection Program

The Knox FDC Protection Program is:

- Authorized by 2018 International Fire and Building Codes
- Authorized by 2018 NFPA 1
- Supplies long-term FDC protection against vandalism
- Prevents foreign matter from entering sprinkler systems
- Provides secure protection at no cost to your department



Depend on Knox Quality

Knox FDC Locks™ are part of the Knox Rapid Access System manufactured by the Knox Company. The highest quality materials and workmanship are used in the manufacturing process. For over forty years, Knox has consistently proven that their products are built to last.