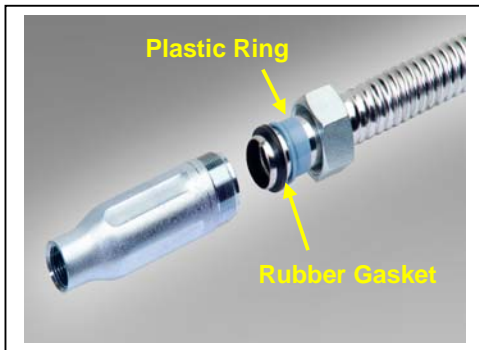


Installation Instructions

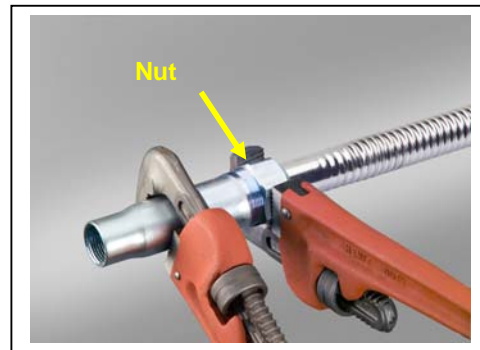
The FireDrop Flexible Sprinkler Hose is an innovative product designed to save installation time. The FireDrop Flexible Sprinkler Hose is designed in accordance with NFPA 13, 13D, and 13R, tested and approved by Underwriters Lab® under UL 2443.

The anchoring components of the FireDrop are intended for use with drop ceilings, such as intermediate and heavy duty ceilings as described in ASTM C635 (*Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings*) and ASTM C636 (*Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panel*).

A. Connecting the Reducer



(Figure 1)



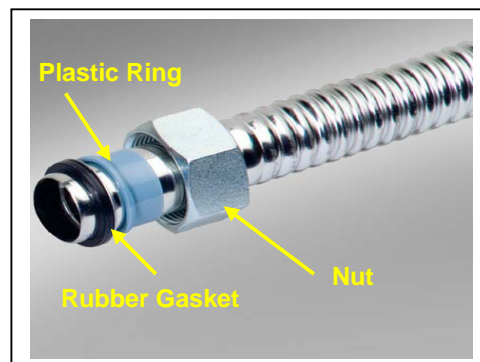
(Figure 2)

1. Disconnect the reducer (Figure 1) from the flexible hose by turning the nut.
2. Verify plastic ring and rubber gaskets are in place (Figure 1).
3. Reconnect the reducer to the flexible sprinkler hose by turning the nut (Figure 2).
4. Tighten the nut to ensure the leak-proof connection, torque to 21ft-lbs (approximately hand tight + ¼ turn) (Figure 2).

B. Connecting the nipple to the main piping system of the building



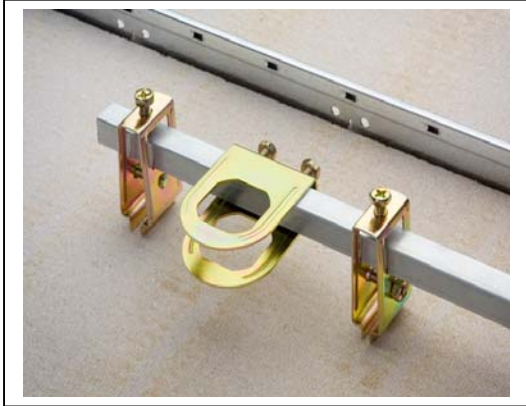
(Figure 3)



(Figure 4)

1. Disconnect the nipple from the flexible sprinkler hose.
2. Connect the tapered NPT end of the nipple to the main sprinkler pipe with pipe joint compound or Teflon tape to ensure a leak-free connection and tighten it (Figure 3).
3. Verify the plastic ring and rubber gasket are in place (Figure 4).
4. Connect the flexible hose to the nipple by tightening the nut (Figure 4) torque to 21ft-lbs (approximately hand tight + ¼ turn).

C. Installing the square T- bar on the Ceiling Rails.



(Figure 5)



(Figure 6)

1. Assemble the centering bracket and the two end-brackets to the square T-bar (Figure 5) place the end-brackets on the ceiling rails as shown (Figure 6).
2. Push the end-brackets onto the ceiling rail, check that the end-brackets are properly seated (Figure 6), maximum spacing for the end bracket is 60 inches and minimum 24 inches.
3. Tighten the bolts on the top of the end-brackets firmly. Torque to 3 ft-lbs (Figure 5).
4. Tighten the bolts on the side of the end-brackets. Torque to 3 ft-lbs.

D. Positioning and Installing the Reducer in the Centering bracket.



(Figure 7)



(Figure 8)

1. Place the reducer inside the centering bracket by bending the hose in as smooth and large an arc as possible (Figure 7). *NOTE: Do Not Bend the Hose Within 2-1/2" of End Connection.*
2. Install sprinkler head in the reducer (install per sprinkler head manufacturer installation instructions). Put a wrench on the reducer to prevent twisting of the hose.
3. Position and lock the centering bracket and tighten the bolts (Figure 8) torque to 5 ft-lbs.

Call Metraflex Co.
with any questions 800-621-4347
or visit www.firedrop.info