

**Refer to:**

'Installation Instructions for FD, DFD, DFD-X, & FD-X Series' (Part number 481324)

or

"Installation Instructions for FSD-XXX, DFD-XXX, & SSFSD-XXX Series Fire & Combination Fire Smoke Dampers' (Part number 481318)

or

"Installation Instructions for OFSD, ODFD, OFD, AND OSSFD Series Dampers' (Part number 461337) for additional details

**"UL CLASSIFIED (see complete marking on product)"**

**"UL CLASSIFIED to Canadian safety standards (see complete marking on product)"**

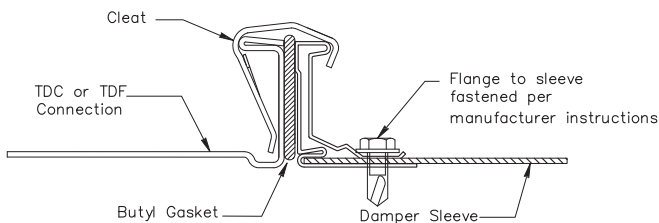
Standards UL 555 & 555S

Classifications Filed at UL under Listing #R13317

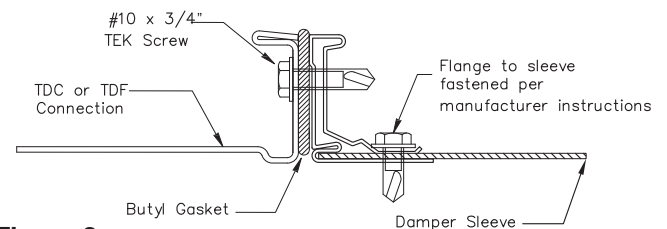


These instructions describe an alternate breakaway connection between a fire damper or combination fire smoke damper sleeve and an adjoining piece of ductwork. This alternate connection is covered under the UL certification of the damper. These instructions apply to a connection between a manufactured flange system by Ductmate, Dyn-o-mate, Ward, or Nexus and a TDC or TDF flange system.

1. Install the manufactured flange system onto the damper sleeve per the manufacturer's instructions.
2. To seal the two flange systems together Neoprene or Butyl gasket may be applied to the mating surfaces.
3. Align the two flange systems together. An optional 3/8 in. (9mm) bolt and nut may be used in the corners to help with the alignment. These bolts and nuts do not have to be removed.
4. Install the metal cleat (see Figure 1) or #10 tek screw (see Figure 2), approximately equally spaced, per the schedule described below:
  - Width or height less than 24 in. (610mm); use one cleat or screw per side
  - Width or height 24 in. (610mm) to less than 36 in. (914mm); use 2 cleats or screws per side
  - Width or height 36 in. (914mm) to less than 54 in. (1372mm); use 3 cleats or screws per side
  - Width or height 54 in. (1372mm) to less than 72 in. (1829mm); use 4 cleats or screws per side
  - Width or height 72 in. (1829mm) or greater; use 5 cleats or screws per side.



**Figure 1**



**Figure 2**

## Our Commitment

*As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.*

Product warranties can be found online at [Greenheck.com](http://Greenheck.com), either on the specific product page or in the literature section of the website at [Greenheck.com/Resources/Library/Literature](http://Greenheck.com/Resources/Library/Literature).