

Application

C&S dampers may be supplied with a factory hemmed 20 gauge (1) sleeve for use with standard drive slip and S-slip connections. Sleeves and duct may be field hemmed by folding back the vertical sides a maximum of 1/2" (13) to accommodate a 1" (25) wide drive slip (as shown in Figure 1). Standard drive slips are UL tested breakaway connections on dampers 20" (508) high and less.

General Installation

Join damper sleeve to duct at top and bottom sides using any plain S, hemmed S, double S, inside slip, standing S, or reinforced standing S slip. See Figure 2.

The drive slip connection is then used to join the vertical sides of the damper sleeve to the duct. Cut a length of drive slip connection a maximum of 4" (102) longer than the vertical duct dimension. Guide the drive slip connection onto the side members securing it over the hemmed edges until the connection extends beyond the top and bottom sides of the damper sleeve/duct. The extra length should be hammered flat overlapping all four corners.

NOTES

1. Refer to appropriate damper installation sheet for installation information not covered on this sheet.
2. When optional duct sealing is required, the following sealants may be applied in accordance with the instructions supplied by the sealant manufacturer.

Design Polymeric - DP 1010

Precision - PA2084T

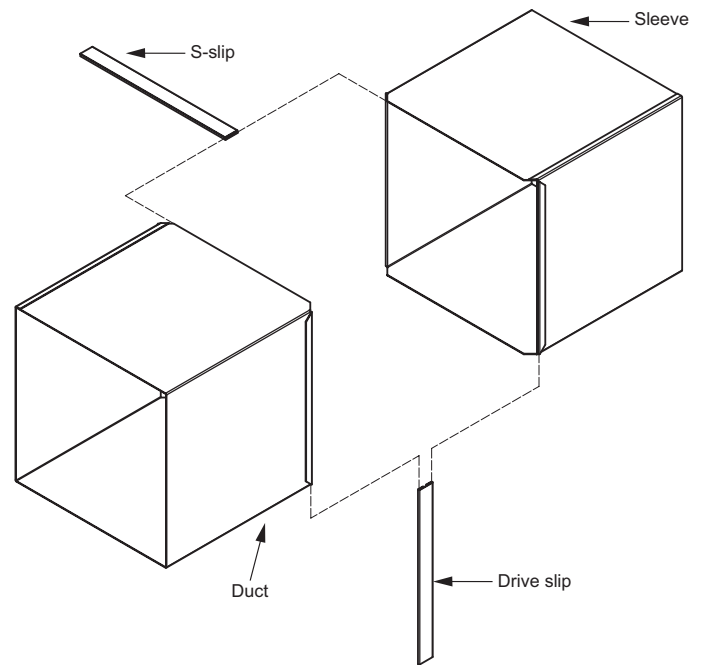


Figure 1

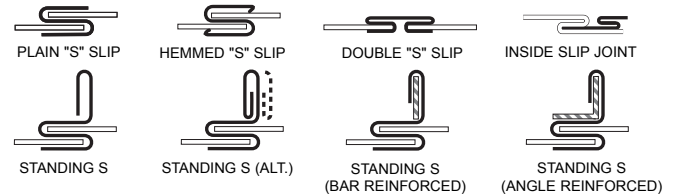


Figure 2 - S-slip Connections (side view)

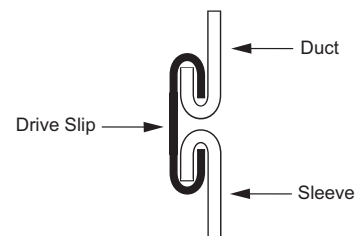
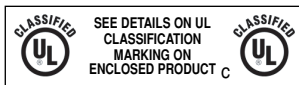


Figure 3 - Drive slip Connections (top view)

Application

C&S fire and combination fire smoke dampers are approved for installation with manufactured flange systems by Ductmate, Ward, or Nexus and a TDC or TDF flange system. Connections may be between like systems or mixed. These flange systems permit installation with metal cleats, plastic cleats, or #10 screws; Butyl or Neoprene gasket, and bolted or non-bolted corners.

General Installation

1. Install the manufactured flange system onto the damper sleeve or duct per the manufacturer's instructions.
2. Neoprene or Butyl gasket may be applied to the mating surfaces to seal the two flange systems together.
3. Align the two flange systems together. A 3/8" (9) bolt may be used in the corners to help with alignment and attachment. These bolts do not have to be removed.
4. Install the plastic or metal cleat (Figure 1) or #10 tek screw (Figure 2), approximately equally spaced, per the following schedule.

Width (w) or Height (h)	Cleat or Screw Qty
w or h < 24" (610)	1 per side
24" (610) ≤ [w or h] < 36" (914)	2 per side
36" (914) ≤ [w or h] < 54" (1372)	3 per side
54" (1372) ≤ [w or h] < 72" (1829)	4 per side
w or h ≥ 72" (1829)	5 per side

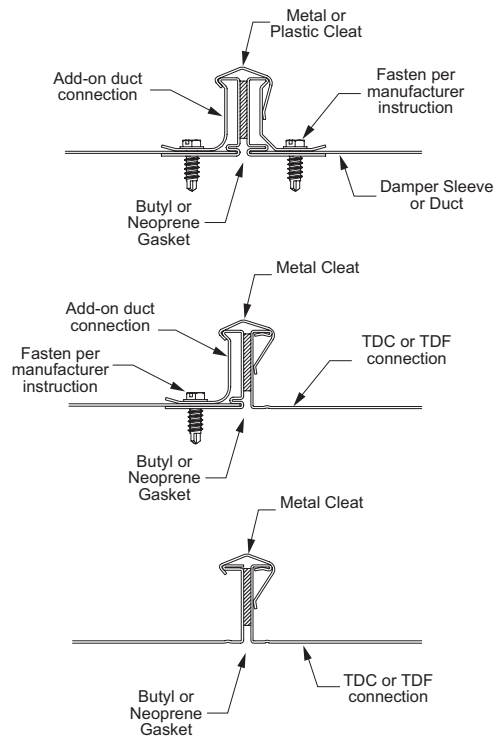
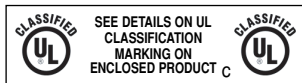


Figure 1 - Installation with Cleats

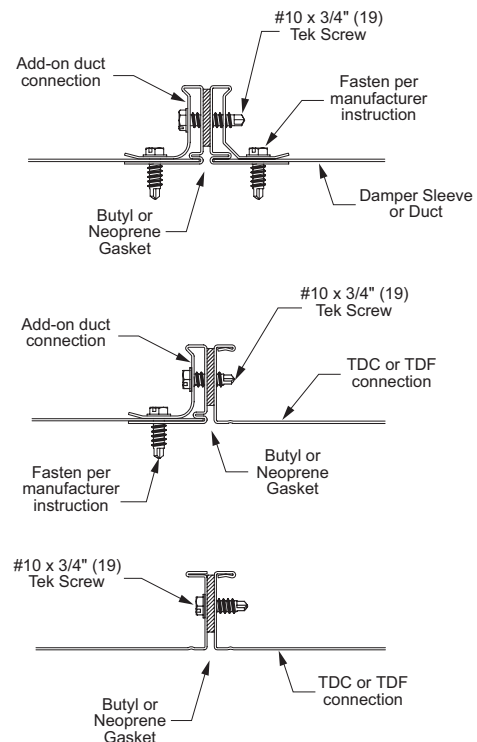


Figure 2 - Installation with #10 Tek Screws