

## Sleeve Extension

**Fire Damper** Models: 119, 15S, 17S, 117, D19, 15D, 17D, D17, 319, 30S, 38S, 317, D39, 30D, 38D, D37, MA19, 15MA, 17MA, MA17, MD19, 15MD, 17MD, MD17, MA39, 30MA, 38MA, 37MA, MD39, 30MD, 38MD, 37MD

**Fire/Smoke Damper** Models: FR, CR, MR, AR, FS, CG, MS, AS, FT, CH, MT, AT, FA, CA, MA, UA, TA, CT, LA

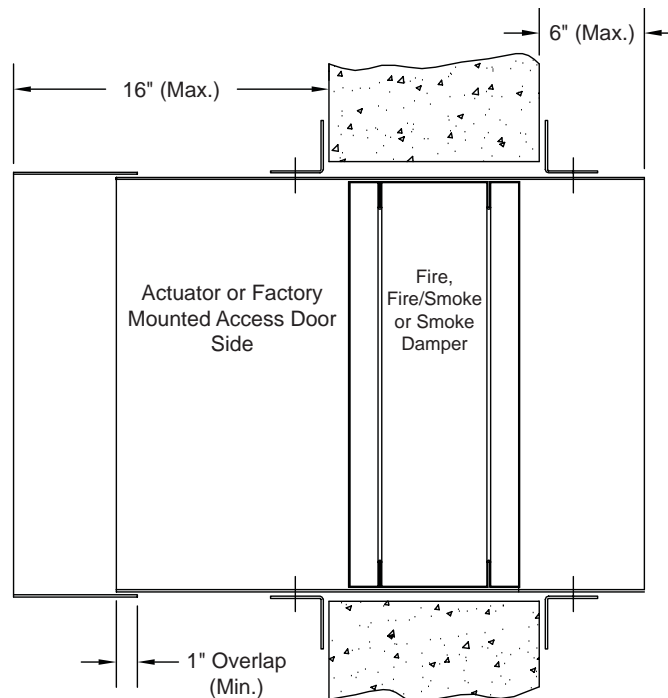
**Smoke Damper** Models: SR, SR, KR, UR, SH, SG, KH, A, SA, GA, KA, AA

### APPLICATION

The factory installed sleeve for fire dampers, combination fire/smoke dampers, and smoke dampers may require a sleeve extension mounted in the field. This supplemental information provides guidelines for field-attachment of a sleeve extension onto a factory supplied damper sleeve. The connection must attach on all four sides. Sleeve extension can be on either end of damper.

### INSTALLATION

- General:** The installation of the damper and all duct connections to the damper sleeve shall conform to NFPA-80 and 90A and the SMACNA Fire, Smoke and Radiation Damper Installation Guide. All duct connections shall also conform to UL555 when the damper is intended to be used as a fire damper.
- Extension Gauge:** Extension shall be the same gauge and material as the sleeve to which it is attached. Gauges shall conform to SMACNA or ASHRAE duct standards.
- Sleeve Overlap:** Sleeve extension must have a minimum of 1" overlap to the factory sleeve. The overlap of the two materials must not project into the plane of the rated wall. If the sleeve terminated in the wall, a full sleeve is required.
- Fasteners:** Sleeve to sleeve extension fasteners shall be on 6" maximum centers and 3" maximum from each corner. A field supplied sleeve extension is attached to the damper sleeve with  $\frac{3}{16}$ " diameter steel rivets,  $\frac{1}{4}$ " diameter steel bolts, #10 steel sheet metal screws, or  $\frac{1}{2}$ " long welds. The fasteners cannot be placed where they will interfere with the operation of the damper.
- Caulking:** Sleeve Extensions on smoke and fire/smoke dampers are to be caulked. Caulk shall be one of the following: Dow Corning RTV732, Silco Sil-Bond RTV 4500, General Electric IS808. Caulking is allowed between the retaining angles and the damper sleeve, and between the retaining angles and the face of the floor or wall construction. Caulking is not allowed between the damper sleeve and the wall or floor inside the opening.



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