



### General Install Instructions

#### 2652 Round Fire Damper

1. Secure the damper to the steel sleeve with 1/4" diameter steel bolts and nuts, or by tack welding with beads 1/2" min. in length, or with #10 steel sheet metal screws, or with 3/16" steel pop rivets. Fasteners or weld beads max. 8" on centers, min. two fasteners on each face.
2. The sleeve shall be of the same gauge or heavier than the duct which it is attached. Gauges shall conform to SMACNA or ASHRAE duct standards. When a rigid duct connection is used, sleeve shall be a minimum thickness of 16 GA steel but no thicker than 10 GA. When a drawband connection is used, sleeve can be a minimum thickness of 24 GA steel. The 4" drawband connection is detailed in the SMACNA Fire, Smoke, and Radiation Damper Installation Guide. Connecting ducts shall not be continuous but shall terminate at the sleeve.
3. Sleeves shall be installed so the damper is within the masonry or block fire barrier so that the length of the sleeve extending beyond the fire barrier shall not exceed 6" on each side.
4. Dampers must be installed so that the blade locks are uppermost in horizontal installation and toward the access door in all cases. Blade locks found on sizes 13" dia. or larger.
5. The opening diameter shall be a minimum of 1/4" larger than the sleeve O.D. When 1" retaining angles are used, the opening diameter shall be a maximum of 3/4" larger than the sleeve O.D. Opening differences larger than 3/4" will require a proportionally larger retaining angle leg overlapping the opening.
6. Secure steel mounting angle rings to the sleeve only, so as to frame both faces of the opening. Mounting angle rings shall be a maximum of 1" x 1" x 20 GA steel. Fasten rings to the sleeve using the same means as required for fastening the damper to the sleeve. For installations requiring flush mounting, angle rings may be mounted facing into the opening. Ends of rings can be welded or unwelded. Mounting angle rings are normally supplied by others.