

QUALIFICATIONS:

- **UL 263 CLASSIFIED CEILING DAMPER.** Category CABS. (File # R8147).
- **1 hour rated for use in UL floor/ceiling design numbers L550/L562/L574/L579/L585/M501/M503 and roof/ceiling design numbers P531/P538/P545/P547/P552.** (Other proprietary UL design numbers may be similar. Local approval by AHJ is required to use a Safe-Air Dowco design when not specified).
- **Meets NFPA 90A requirements.**

DESCRIPTION:

Ceiling dampers are designed to function as a heat barrier in air handling openings penetrating fire resistive membrane ceilings. Model 0456D has been especially designed and tested to provide protection and simple installation in specific UL design wood truss ceiling assemblies.

Model 0456D is designed for installation in the supply (or return) ductwork take-off from an AHU where it penetrates the ceiling and provides a single or multiple-outlet (up to three) plenum to feed 0456/ grille or diffuser assemblies. May also be used as a return.

STANDARD CONSTRUCTION:

- Fusible Link:** UL Listed, 212°F (100°C), standard.
- Blades:** 22 ga. (0.85) roll-formed galv. steel.
- Blade Insulation:** Non-asbestos UL Classified.
- Damper Frame:** 22 ga. (0.85) galvanized steel.
- Steel Plenum/ Sub-Frame:** 26 ga. (0.55) minimum with round connection collar(s).
- Duct:** UL Classified Class 0 or 1 flexible air duct connection by others.
- Flange:** Plaster flange.
- Damper Mounting:** Damper sleeve is extended below ceiling for ducted connection. Damper is mounted in sub-frame to be flush with ceiling when installed.

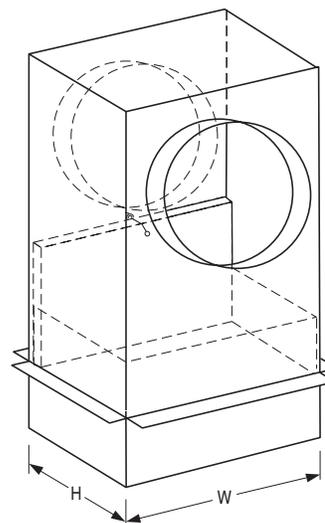
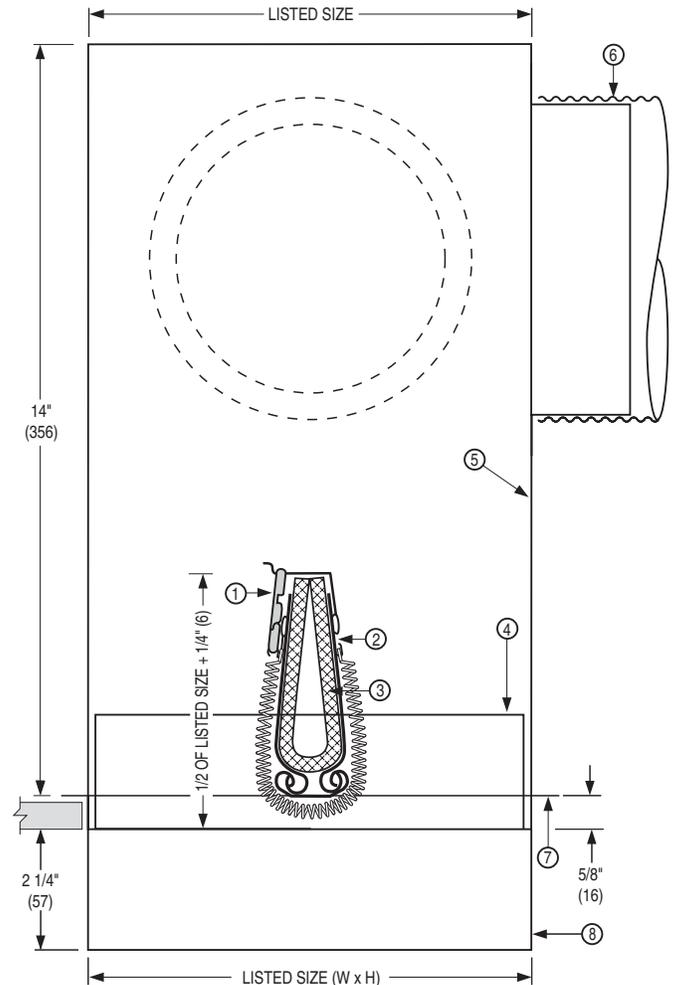
Model 0456D Sizes (Duct W x H):

Minimum	Maximum
6" x 4" (152 x 102)	18" x 18" (457 x 457)

Available Duct Connection Size: 4" through 10" (102 – 254) dia. Maximum quantity is three.

OPTIONS:

- Non-standard temp. UL listed fusible link
 165 165°F (74°C)
- Damper Style:
 420 Butterfly (Two Blades) Damper standard
 421 Single Blade Damper
 410A Low Profile Curtain Damper
- Installation Support Angles. 26" (660) long.
 ISA 2 @ 3/4" x 3/4" x 16 ga. (19 x 19 x 1.6) or
 ISB 2 @ 1 1/2" x 1 1/2" x 22 ga. (38 x 38 x 0.85)



Note:

420 style damper shown above is standard. 421 Single Blade (left), which places damper out of the airstream or 410A Low Profile Curtain Damper are also available.

For installation instructions, see IOM-SA-CRD0456INST.

Dimensions are in inches (mm)

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

DATE	A SERIES	SUPERSEDES	DRAWING NO.
4 - 30 - 19	0400-SA	NEW	0456D