

- **UL 555C CLASSIFIED**
- **ADJUSTABLE VOLUME CONTROL**
- **FOR SQUARE, RECTANGULAR OR ROUND DUCT**

**MODELS: 0716A
0716-4A
0722A**



Models 0722A and 0716A

Nailor ceiling dampers, or ceiling radiation dampers as they are commonly called, with **Adjustable Volume Control** option, are designed to function as a fire and heat barrier in air duct openings penetrating fire resistive membrane ceilings. The adjustable volume control mechanism allows the blades to be adjusted for balancing of airflow through the diffuser. Under fire conditions the fusible link will close the damper, regardless of volume setting. Models 0716A and 0716-4A are for use in square or rectangular applications and Models 0722A is for use in round applications, in lieu of hinged door type dampers in any UL floor/ceiling or roof/ceiling assembly with up to a 3 hour fire resistance rating where air ducts are allowed.

QUALIFICATIONS:

- UL 555C Classified Ceiling Damper (File #9660).
- California State Fire Marshal: Fire Damper listing No. 3226-0935:102.
- City of New York Board of Standards and Appeals. Cal. No. 460-88-SA.
- Meets NFPA 90A, BOCA, SBCCI, IBC and UBC requirements.
- CAN4/ULC-S112-2 Ceiling Fire Stop Flap Assemblies.
- Meets NBC of Canada requirements.

MODEL: 0716A ADJUSTABLE (SQUARE OR RECTANGULAR)

UL MAXIMUM SIZE: 16" x 16" (406 x 406)
UL MINIMUM SIZE: 6" x 3" (150 x 75)

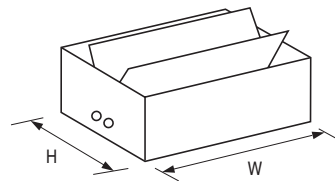
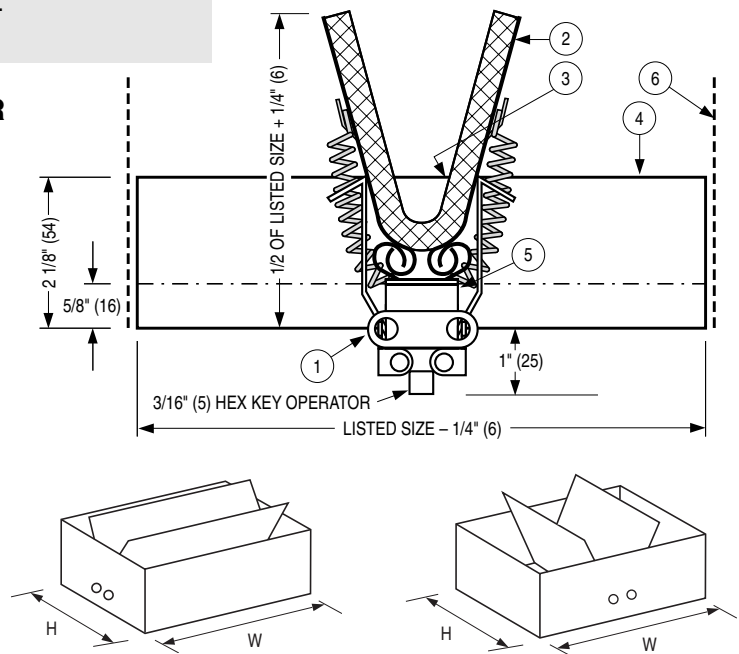
CONSTRUCTION:

1. U.L. Listed fusible link, 212°F (100°C), standard.
2. Blades: galvanized steel.
3. Insulation; Non-asbestos UL Classified on units over 80 sq. in. (516) finished size. Not required on smaller units.
4. Roll-formed frame: galvanized steel.
5. Adjustable fusible link assembly permits volume control.
6. Duct drop (by others).

OPTIONS:

1. 165°F (74°C) U.L. Listed fusible link.

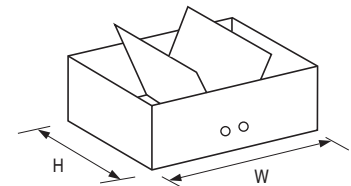
U.S. Patent No.
4,936,287
Canadian Patent No.
2,014,587-1



SKETCH 1

(H = 6" (150) or more)

Units manufactured with blade length on dimension (W) except where short dimension (H) is less than 6" (150). (See Sketch 1 above)



SKETCH 2

(H = less than 6" (150))

If short dimension (H) is less than 6" (150), units are manufactured with blade length on short dimension. (See Sketch 2 above)

MODEL: 0716-4A LOW PROFILE; ADJUSTABLE (SQUARE OR RECTANGULAR)

MODEL 0716-4A provides a low profile, dual set of adjustable blades design, ideal for installation in tight places.

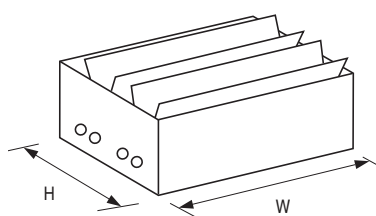
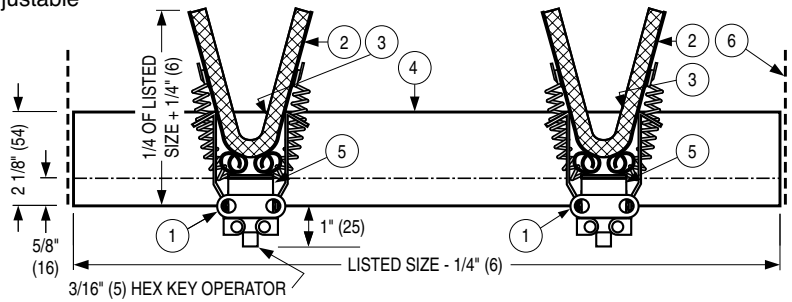
UL MAXIMUM SIZE: 24" x 24" (610 x 610)
 UL MINIMUM SIZE: 12" x 6" (300 x 150)

CONSTRUCTION:

1. U.L. Listed fusible link, 212°F (100°C), standard.
2. Blades: galvanized steel is standard.
3. Insulation; Non-asbestos UL Classified on units over 80 sq. in. (516) finished size. Not required on smaller units.
4. Roll-formed frame: galvanized steel is standard.
5. Adjustable fusible link assembly permits volume control.
6. Duct drop (by others).

OPTIONS:

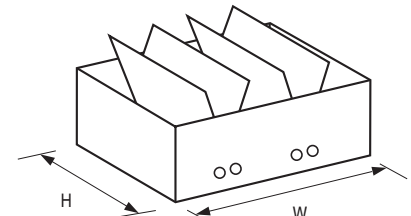
1. 165°F (74°C) U.L. Listed fusible link.



SKETCH 1

(H = 12" (300) or more)

Units manufactured with blade length on dimension (W) except where short dimension (H) is less than 12" (300). (See Sketch 1 above)



SKETCH 2

(H = less than 12" (300))

If short dimension (H) is less than 12" (300), units are manufactured with blade length on short dimension. (See Sketch 2 above)

MODEL: 0722A ADJUSTABLE (ROUND)

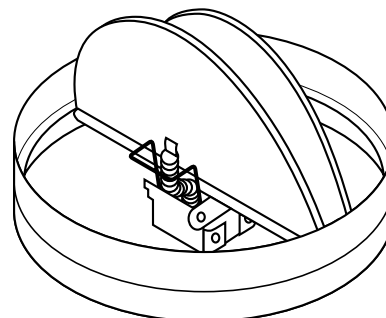
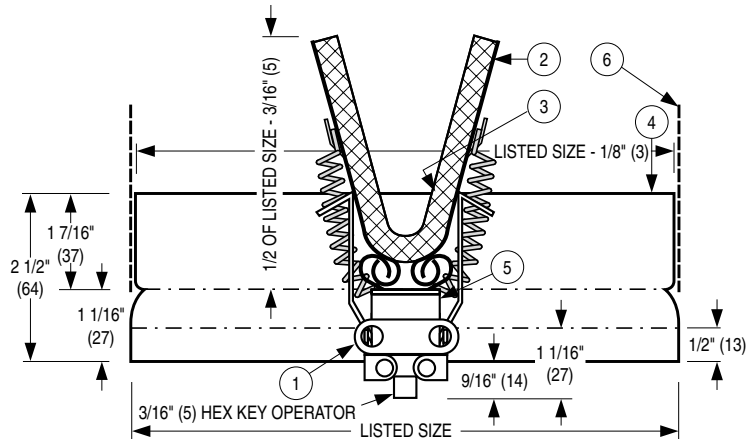
UL MAXIMUM SIZE: 16" (406) dia.
 UL MINIMUM SIZE: 5" (127) dia.

CONSTRUCTION:

1. U.L. Listed fusible link, 212°F (100°C), standard.
2. Blades: galvanized steel.
3. Insulation; Non-asbestos UL Classified on units 12" (305) dia. and larger, standard. Not required on smaller units.
4. Roll-formed frame: galvanized steel.
5. Adjustable fusible link assembly permits volume control.
6. Duct drop (by others).

OPTIONS:

1. 165°F (74°C) U.L. Listed fusible link.



MODELS: 0722A-SE ADJUSTABLE (ROUND) SHORT EXTENSION 0722A-LE ADJUSTABLE (ROUND) LONG EXTENSION

The extension collar on Models 0722A-SE and 0722A-LE minimizes the risk of interference with blade closure in flexible duct installations and helps ensure even airflow into the diffuser neck for optimum performance. These models incorporate a mechanism to adjust the opening of the blades for balancing airflow through the ceiling diffuser.

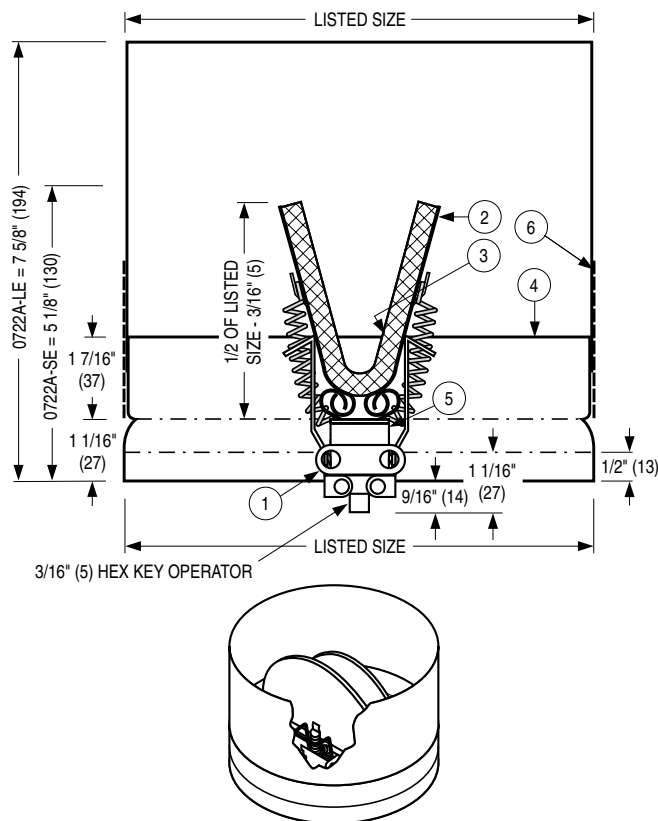
UL MAXIMUM SIZE: 16" (406) dia.
UL MINIMUM SIZE: 5" (127) dia.

CONSTRUCTION:

1. U.L. Listed fusible link, 212°F (100°C), standard.
2. Blades: 22 ga. (0.85) G60 galvanized steel.
3. Insulation: Non-asbestos UL Classified on units 12" (305) dia. and larger, standard. Not required on smaller units.
4. Frame: Roll-formed 22 ga. (0.85) G60 galvanized steel.
5. Adjustable fusible link assembly permits volume control.
6. Top extension.

OPTIONS:

1. 165°F (74°C) U.L. Listed fusible link.



H
CEILING DAMPERS

HOW TO SPECIFY OR TO ORDER

MODELS: 0716A/716-4A/0722A

SUGGESTED SPECIFICATION:

Provide and install, as shown on plans and/or schedules, ceiling fire dampers with adjustable volume control as manufactured by Nailor Industries meeting the following criteria: Ceiling dampers shall be UL Classified for use in all restrained and unrestrained UL Listed ceiling assemblies with fire resistance ratings of 3 hours or less. Dampers shall be manufactured and tested in accordance with UL 555C Standard for Ceiling Dampers and shall bear a UL label identifying same. Each ceiling damper shall be held open with a 212°F (100°C) UL Listed adjustable fusible link (or specifier to select 165°F (74°C)), and shall be of size and configuration as indicated. Square or rectangular applications shall utilize Nailor Model 0716A as standard. Round applications shall utilize Nailor Model 0722A as standard. Ceiling dampers shall ship with and be installed in accordance with manufacturers UL installation instructions. Information submitted for approval shall include same UL installation instructions. Standard of acceptance: Nailor Industries Models 0716A/0722A.

For SE/LE top extensions, add the following: Model 0722A round dampers shall be provided with long top extensions Model 0722A-LE, or short top extensions Model 0722A-SE, as deemed suitable by space above ceiling, to ensure flex duct does not interfere with blade closure.

HOW TO ORDER:

Order by model number and size, then list optional fusible link (if desired).

	OPTION CODE	DESCRIPTION
FUSIBLE LINK:	165	165°F (74°C) UL Listed Fusible Link