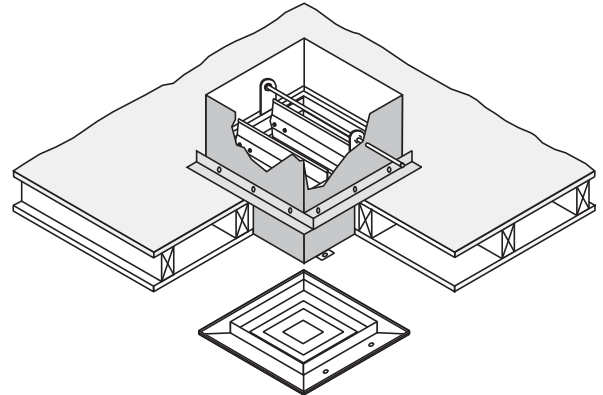
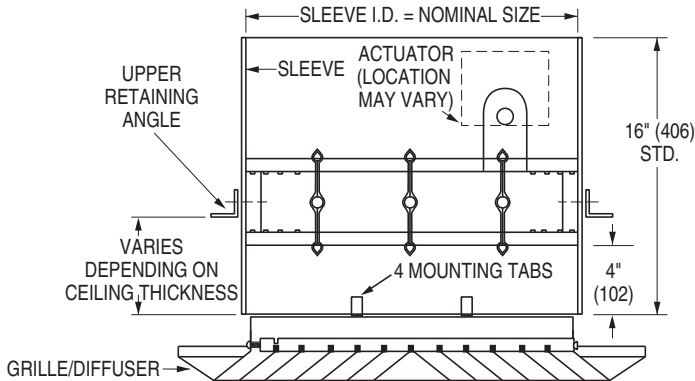




TUNNEL CORRIDOR COMBINATION FIRE/SMOKE DAMPER WITH STEEL GRILLE/DIFFUSER
 1 HR. LABEL • AIRFOIL BLADE
 MODEL: 1221C-1



QUALIFICATIONS:

- **UL 555 CLASSIFIED CORRIDOR DAMPER, 1 hr. Fire Resistance Rating (File # R9492).**
- **UL 555S CLASSIFIED SMOKE DAMPER, Class I at 250°F or 350°F elevated temp. (File # R9492).**
- **California State Fire Marshal Listing No. 3225-0935:106.**
- **Meets the requirements of NFPA 90A, NFPA 92A for Fire/Smoke Dampers**
- **Meets the requirements of City of Los Angeles, Uniform Building Code.**
- **Maximum velocity: 2000 fpm @ 4" w.g.**

STANDARD SPECIFICATION:

Frame: 5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel hat channel.

Blades: 14 ga. (2.0) equivalent galvanized steel formed airfoil on 5 1/2" (140) centers. Opposed action.

Sleeve: 16" x 20 ga. (406 x 1.0) standard.

Upper Retaining Angles: 1 1/2" x 1 1/2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor).

Linkage: Concealed in frame.

Bearings: 1/2" (13) dia. self-lubricating oilite bronze.

Axles: 1/2" (13) dia. plated steel double bolted to blades.

Jamb Seals: Cambered stainless steel.

Heat Responsive Device (Controlled Closure):

ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.

PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.

Compatible Steel Supply or Return Air Grille/Diffuser (various models available).

Sizes (Duct W x H):

Minimum	Maximum
8" x 8" (203 x 203)	24" x 24" (610 x 610)

BASE MODEL SELECTION:

- 1221C-1** Standard factory sleeve (caulked to UL requirements) 16" long x 20 ga. (406 x 1.0) (18 ga. (1.3) for dampers over 84" (2134) in width).
- 1221C-1** Non-standard sleeve. Specify _____ length _____ ga. Available up to 36" (914) dependent upon wall thickness and 10 through 20 ga. (3.5 through 1.0).

LEAKAGE CLASS / ELEVATED TEMPERATURE:

- I @ 250°F** (Standard)
- I @ 350°F** (Optional)

ACTUATOR SELECTION:

- Electric** **Pneumatic**

Actuators are mounted for Fail Closed (Normally Closed) operation in accordance with code requirements.

ACTUATOR LOCATION:

- Out of airstream** **In the airstream**

OPTIONS:

- BS** Stainless steel bearings.
- MLS-300** Position indicator switch pack.
- MLS-400** Electric Fire Sensor (Re-openable control system). Includes dual heat sensors (165°F and 250°F or 350°F) and position indicator switch pack.

- Non-standard sleeve length or gauge.** Specify: _____ inches (mm) x _____ ga.

- UFM Factory mounted upper retaining angles.** Specify overall ceiling thickness: _____ inches (mm).

- SRT Square-to-Round Transition Collar.** (top of damper) Dia. = _____ .

- Special Features.** Specify: _____ .

GRILLE/DIFFUSER SELECTION:

- Compatible Steel Supply or Return Grille/Diffuser by Nailor. (see attached submittal dwg. for model selection).
- Grille/Diffuser by others.

For installation instructions, see IOM-TCFSDINST.

Dimensions are in inches (mm).

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

DATE

B SERIES

SUPERSEDES

DRAWING NO.

6 - 16 - 16

1220C

5 - 7 - 12

1220C-1