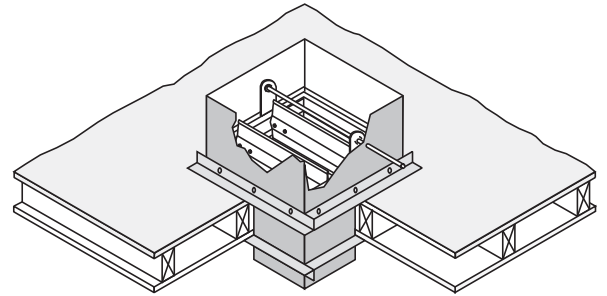
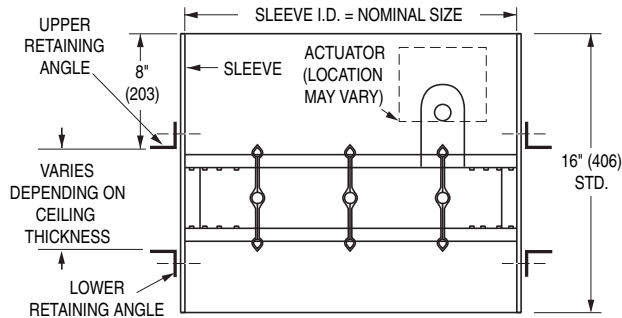




TUNNEL CORRIDOR COMBINATION FIRE/SMOKE DAMPER FOR DUCTED INSTALLATION
 1 HR. LABEL • AIRFOIL BLADE
 MODEL: 1221C-2



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).
- Lower Retaining Angles:** 1 1/2" x 1 1/2" x 16 ga. (38 x 38 x 1.6) galvanized steel by installing contractor (optionally 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 standard 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.

Sizes (Duct W x H):

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

BASE MODEL SELECTION:

- 1221C-2** 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-2** 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.**

- LNM Lower retaining angles by Nailor.** (Shipped loose for field attachment).

- Special Features.**

Specify: _____ .

Square-to-Round Transition Collars:

(Factory mounted and caulked to UL requirements).

- SRT** (top of damper) Dia. = _____ .
- SRB** (bottom of damper) Below ceiling for round neck diffuser steel duct/flex duct connection. Dia. = _____ .
- SR2** (top and bottom) Dia. = _____ .

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-2