

Application

Model SSDFDR-510 is a dynamic rated round fire damper for use in HVAC systems that are operational in the event of a fire. This fire damper is rated for use in walls or partitions with less than 3 hour fire resistance rating and can be mounted vertically or horizontally.

Ratings

UL 555 Fire Resistance

Fire Rating: 1½ hours

Velocity

2000 fpm (10.2 m/s)

Pressure

Maximum: 4 in. wg (1 kPa)



Dimensions (dia.) are furnished approximately ⅛ in. (3mm) undersize.

Construction

	Standard	Optional
Frame Material	304SS	-
Frame Material Thickness	20 ga. (1 mm)	-
Blade Material	304SS	-
Blade Material Thickness	20 ga. (1 mm)	-
Axle Bearings	Stainless steel	-
Axle Material	½ in. (13 mm) stainless steel	-
Closure Device	Fusible Link	-
Closure Temperature	165°F (74°C)	212°F (100°C), 286°F (141°C)



See complete marking on product.

UL 555 Classification R13317

CAN/ULC S112 Classified Fire Damper

Model SSDFDR-510 meets the requirements for fire dampers established by:

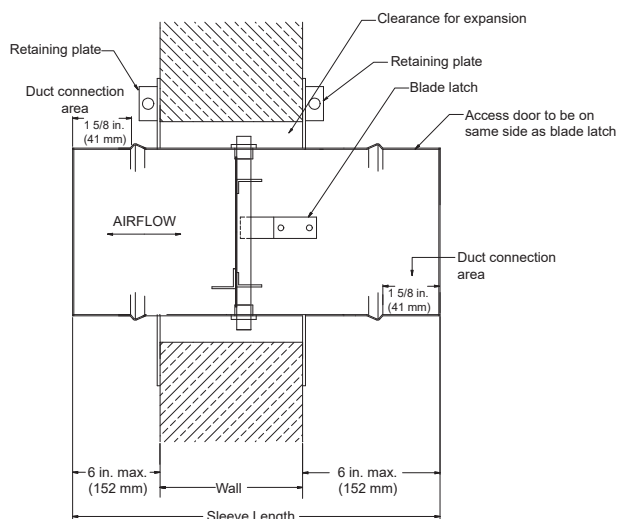
National Fire Protection Association

NFPA Standards 80, 90A, & 101

International Building Codes (IBC)

California State Fire Marshal (CSFM)

Fire Damper Listing (#3225-0981:0112)



Size Limitations

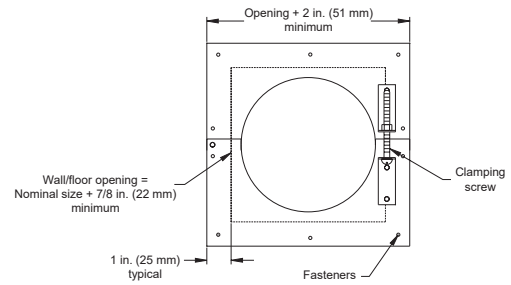
Diameter	Minimum Size (mm)	Maximum Size (mm)
Inches	4 (102)	24 (610)

Wall Thickness (mm)	Sleeve Length (mm)
Up to 6½ in. (165)	13 ⅝ in. (346)
Up to 8½ in. (216)	15 ⅝ in. (397)
Up to 10½ in. (267)	17 ⅝ in. (448)
Over 10½ in. (267)	Consult Greenheck

Options

- One retainer plate supplied with damper
- Additional retainer plate available

SSDFDR-510 Round Fire Damper



Document Links



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