

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)



These dimensions are furnished approximately 1/8 in. (3mm) undersize.

Construction

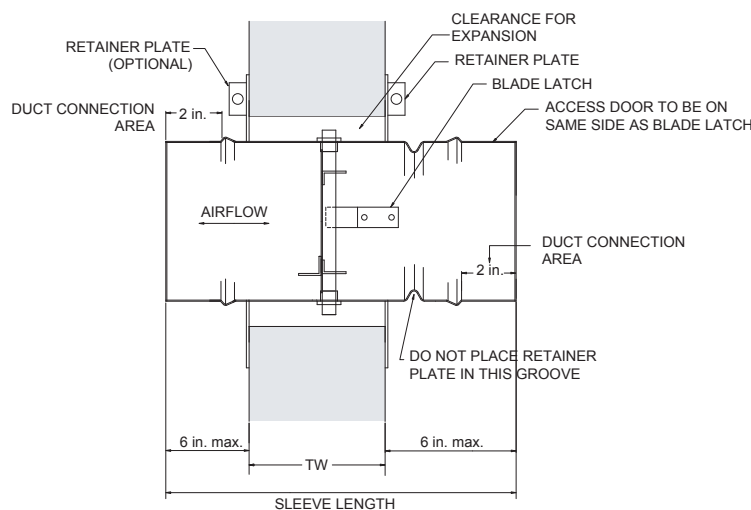
	Standard	Optional
Frame Material	304SS	-
Frame Material Thickness	20 ga. (1 mm)	-
Blade Material	304SS	-
Blade Material Thickness	20 ga. (1 mm)	-
Axle Bearings	Stainless steel	-
Axle Material	½ in. (13 mm) stainless steel	-
Closure Device	Fusible Link	-
Closure Temperature	165°F (74°C)	212°F (100°C),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



See complete marking on product.
UL 555 Classification R13317

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)

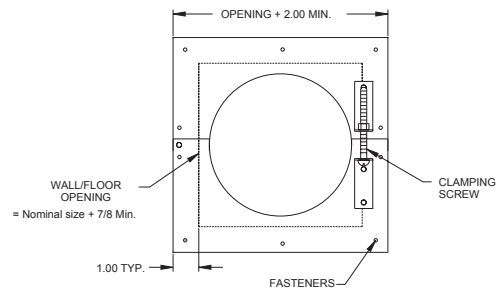


Size Limitations

Diameter	Minimum Size	Maximum Size
Inches	4	24
mm	102	610

Wall Thickness	Sleeve Length
Up to 6½ in.	13 5/8 in.
Up to 8½ in.	15 5/8 in.
Up to 10½ in.	17 5/8 in.
Over 10½ in.	Consult Greenheck

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



Document Links

[Installation Instructions](#)



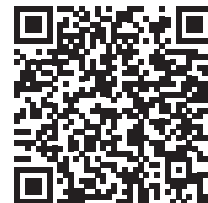
[Life Safety Damper Catalog](#)



[Damper Product Selection Guide](#)



[Specifications](#)



[Damper Warranty](#)

