

Application

Model FD-150X series are approved for use in walls, floors, and partitions with fire resistance ratings less than 3 hours. This model carries a 1½ hour UL 555 fire damper label and is static rated for use in HVAC systems that are automatically shut down in the event of a fire.

Ratings

UL 555 Fire Resistance Rating

Fire Rating: 1½ hours

Construction

	Standard	Optional
Frame Material	Galvanized steel*	-
Blade Material	Galvanized steel*	-
Closure Spring	Stainless steel	-
Fusible Link	165°F (74°C)	212°F (100°C)
Mounting	Vertical	Horizontal

* in gauges required by UL listing R13317

* These dimensions are furnished approximately ¼ in. (6 mm) undersize.



See complete marking on product.

UL 555 Classification R13317

CAN/ULC S112 Classified Fire Damper

Model FD-150X series meets the requirements for fire dampers established by:

National Fire Protection Association

(NFPA Standards 80, 90A & 101)

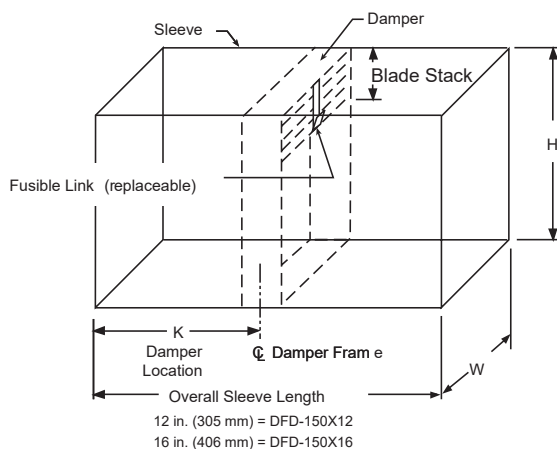
Underwriters Laboratories Standard 555

(Listing #R13317)

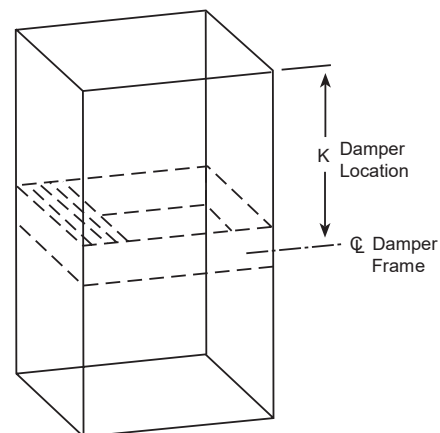
IBC International Building Codes

California State Fire Marshall

(Listing #3225-981:102)



VERTICAL MOUNT



HORIZONTAL MOUNT

Note: Horizontal dampers must be installed with the “K” dimension on the top side as shown (per UL test: see label on damper). Horizontal dampers must have the access door installed on the top side to facilitate re-opening of the blades should the link melt.

Options and Accessories

- [Breakaway connections](#)
- Closed indicator switch
- [Grille tabs](#)
- Transitions: B, C, CO, CR, and R
- Clean wrap
- Flanges
- [Retaining angles](#)

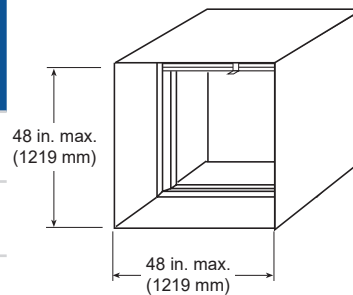
Type A & B

Dampers are supplied in single section only. Installation of sizes larger than the maximum shown requires approval of the authority having jurisdiction.

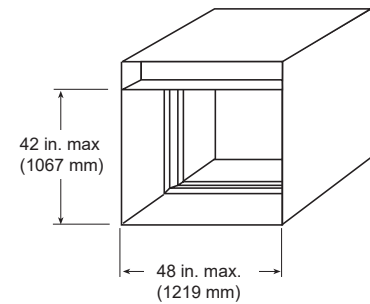
Size Limitations

Inches (mm)	Vertical or Horizontal Single Section	
	Type A	Type B
Minimum	8 x 8 (203 x 203)	8 x 6 (203 x 152)
Maximum	48 x 48 (1219 x 1219)	48 x 42 (1219 x 1067)

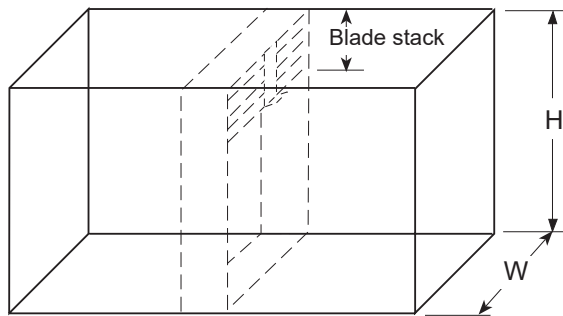
Maximum Single Section
Dimensions Type A



Maximum Single Section
Dimensions Type B



Type A

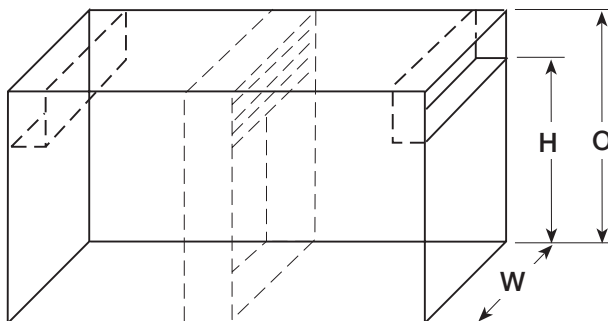


Type B Overall Damper Dimensions

H*	O*	H*	O*
3 (76)	5 (127)	23 (584)	27 (686)
4 (102)	6 (152)	24 (610)	28 (711)
5 (127)	7 (178)	25 (635)	29 (737)
6 (152)	8 (203)	26 (660)	30 (762)
7 (178)	9 (229)	27 (686)	31 (787)
8 (203)	10 (254)	28 (711)	32 (813)
9 (229)	11 (279)	29 (737)	33 (838)
10 (254)	12 (305)	30 (762)	34 (864)
11 (279)	13 (330)	31 (787)	36 (914)
12 (305)	14 (356)	32 (813)	37 (940)
13 (330)	15 (381)	33 (838)	38 (965)
14 (356)	16 (406)	34 (864)	39 (991)
15 (381)	18 (457)	35 (889)	40 (1016)
16 (406)	19 (483)	36 (914)	41 (1041)
17 (432)	20 (508)	37 (940)	42 (1067)
18 (457)	21 (533)	38 (965)	44 (1118)
19 (483)	22 (559)	39 (991)	45 (1143)
20 (508)	23 (584)	40 (1016)	46 (1168)
21 (533)	24 (610)	41 (1041)	47 (1194)
22 (559)	26 (660)	42 (1067)	48 (1219)

* Dimensions are in inches (mm). These dimensions are furnished approximately ¼ in. (6 mm) undersize.

Type B

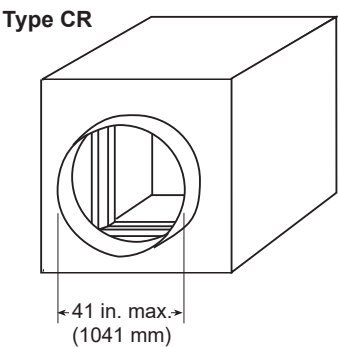
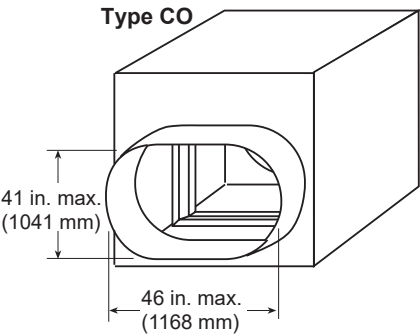
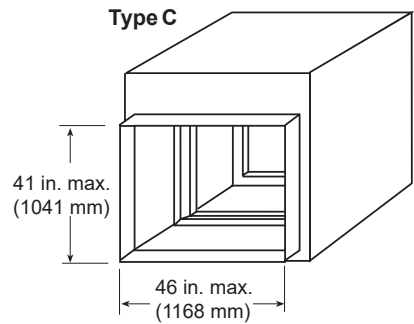


Type C, CO, & CR

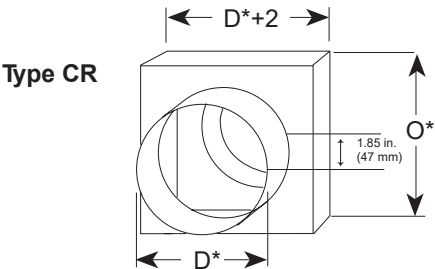
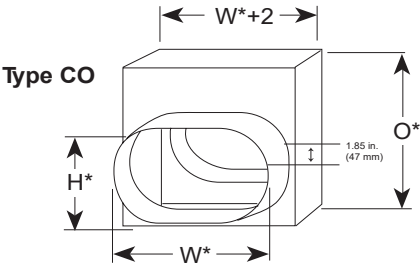
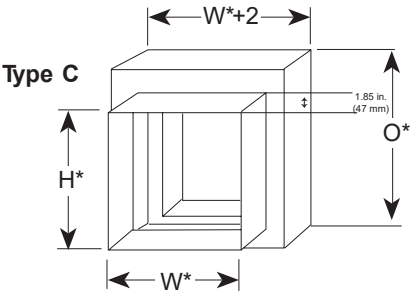
Dampers are supplied in single section only.

Inches (mm)	C & CO		CR	
	Minimum	Maximum	Minimum	Maximum
Vertical or Horizontal	6 x 5 (152 x 127)	46 x 41 (1168 x 1041)	6 (152)	41 (1041)

Maximum Single Section Dimensions



Overall Damper Dimensions



*See page 5 for O dimension information.

C, CO, CR transitions are positioned 1 in. (25 mm) from bottom of sleeve.

Type C, CO, & CR

H* or D*	O*	H* or D*	O*
5 (127)	8 (203)	24 (610)	29 (737)
6 (152)	9 (229)	25 (635)	30 (762)
7 (178)	10 (254)	26 (660)	31 (787)
8 (203)	11 (279)	27 (686)	32 (813)
9 (229)	12 (305)	28 (711)	33 (838)
10 (254)	13 (330)	29 (737)	34 (864)
11 (279)	14 (356)	30 (762)	36 (914)
12 (305)	15 (381)	31 (787)	37 (940)
13 (330)	16 (406)	32 (813)	38 (965)
14 (356)	18 (457)	33 (838)	39 (991)
15 (381)	19 (483)	34 (864)	40 (1016)
16 (406)	20 (508)	35 (889)	41 (1041)
17 (432)	21 (533)	36 (914)	42 (1067)
18 (457)	22 (559)	37 (940)	44 (1118)
19 (483)	23 (584)	38 (965)	45 (1143)
20 (508)	24 (610)	39 (991)	46 (1168)
21 (533)	26 (660)	40 (1016)	47 (1194)
22 (559)	27 (686)	41 (1041)	48 (1219)
23 (584)	28 (711)	-	

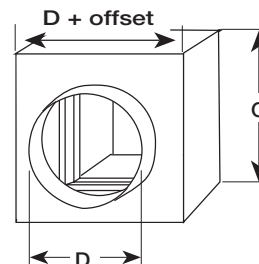
* Dimensions are in inches (mm). These dimensions are furnished approximately ¼ in. (6 mm) undersize, except round and oval dimensions (D, H, W) are approximately ⅛ in. (3 mm) undersize.

Type R

Inches (mm)	Minimum	Type R'	
		Maximum with 1 in. offset	Maximum with 2 in. offset
Single Section Vertical or Horizontal	6 (152)	47 (1194)	46 (1168)

Overall Damper Dimensions

Type R



Type R transition is centered in damper sleeve.

To calculate O Dimension:

Diameter + offset (1 or 2 in.) = O Dimension



[INSTALLATION](#)



[CATALOG](#)



[SELECTION GUIDE](#)



[SPECIFICATIONS](#)



[WARRANTY](#)



[INSTALLATION SOLUTIONS](#)