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**STATIC RATED FIRE DAMPER**  
**UL555 1 ½ Hour Fire Rating**

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**APPLICATION**

Model FD-10 is approved for installation in walls with a fire resistance rating of less than 3 hours. This damper installed vertically in Static HVAC systems that automatically shut down in the event of fire.

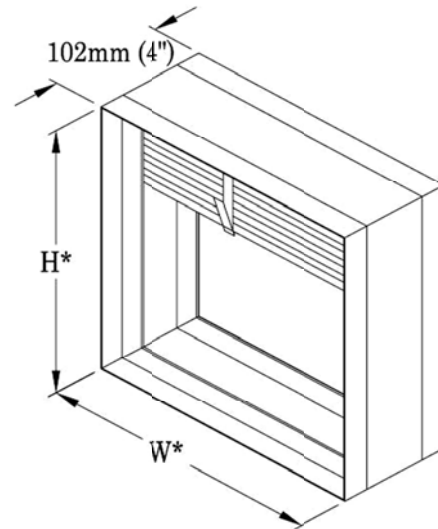
**RATINGS**

UL555 Fire Resistance Rating: 1 ½ Hour

**STANDARD CONSTRUCTION**

**Frame:** Roll formed, galvanized steel

**Blades:** Low profile roll formed, galvanized steel



**VERTICAL MOUNT**

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

**FEATURES**

Stainless steel closure springs  
Fusible link (165°F (74°C) standard)  
Vertical Mount

**INSTALLATION**

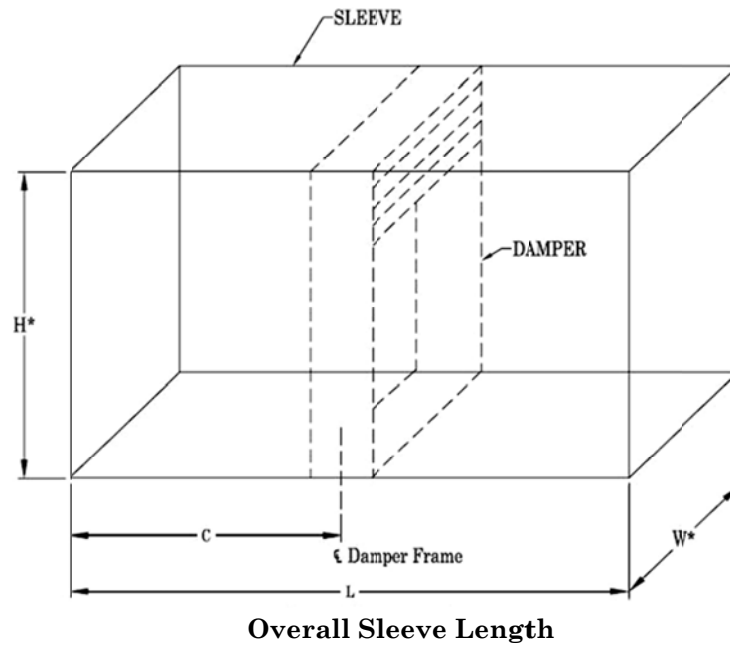
All fire damper installations require the use of sleeves, angles and methods described in IGC Fire Damper Installation Instructions, included with every damper shipment. Sleeves can be field fabricated or factory furnished as a complete damper/sleeve assembly. See Factory Sleeve Option below for details.

**OPTIONAL FEATURES**

Sealed transitions and sleeves  
One piece retaining angles (POC)  
Transitions (B, C, R)

## FACTORY SLEEVE OPTION

FD-10 Fire Dampers are available in factory furnished sleeves. Sleeves are galvanized steel and are available in 1.0mm - 1.5mm thicknesses and lengths up to 914mm. "C" dimension specifies location of damper within the sleeve. Minimum is 102 mm; maximum is "L" less 102mm, which allows for mounting angle installation and duct connection at each end of sleeve. If "C" dimension is not specified, it will be provided as one half of "L" dimension (damper centered in sleeve).  
Note:



# FD-10 TYPE A

## SIZING DATA

Damper maximum single section size is supplied in one section. If ordered with a factory sleeve, single-section dampers are factory assembled ready for installation. If ordered without a factory sleeve, single-section dampers require field assembly. (See IGC Fire Damper Installation Instructions)

The following chart and illustrations show minimum and maximum damper section size and assembly configurations for single section.

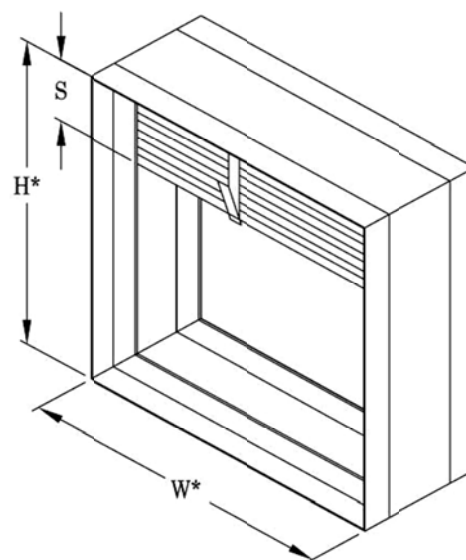
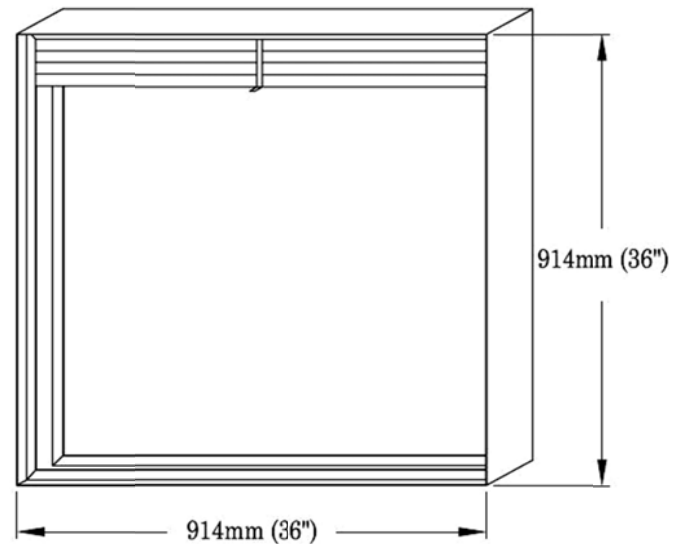
### SIZE LIMITATIONS

mm (inches)	Vertical Single Section
Minimum	102 x 102 (4" x 4")
Maximum	914 x 914 (36" x 36")

### Blade Stack Dimensions

H*	S
102 (4")	20
127 (5")	20
152 (6")	23
178 (7")	28
203 (8")	30
229 (9")	33
254 (10")	33
279 (11")	36
305 (12")	41
330 (13")	43
356 (14")	46
381 (15")	46
406 (16")	51
432 (17")	53
457 (18")	56
483 (19")	58
508 (20")	61
533 (21")	66
559 (22")	66
584 (23")	69
610 (24")	74
635 (25")	79
660 (26")	81
686 (27")	81
711 (28")	84
737 (29")	86
762 (30")	91
787 (31")	94
813 (32")	94
838 (33")	99
864 (34")	99
889 (35")	104
914 (36")	107

### Maximum Single Section



\*These dimensions are furnished approximately 1/4" (6mm) undersize

# FD-10 TYPE B

## SIZING DATA

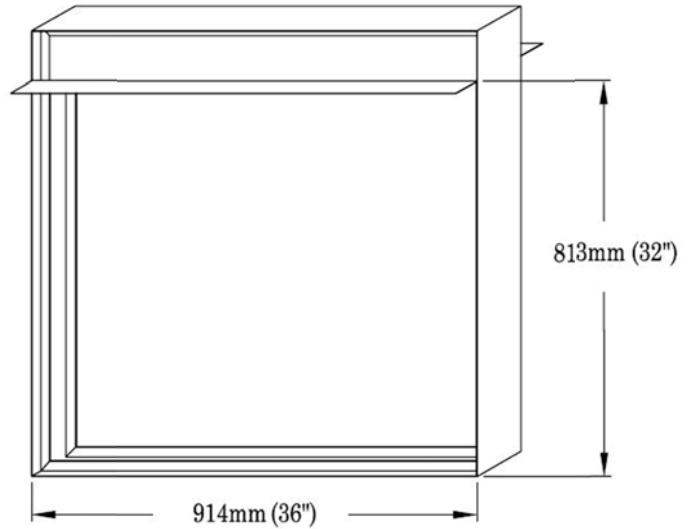
Damper maximum single section size is supplied in one section. If ordered with a factory sleeve, single-section dampers are factory assembled ready for installation. If ordered without a factory sleeve, single-section dampers require field assembly. (See IGC Fire Damper Installation Instructions)

The following chart and illustrations show minimum and maximum damper section size and assembly configurations for single section.

### SIZE LIMITATIONS (B Transition)

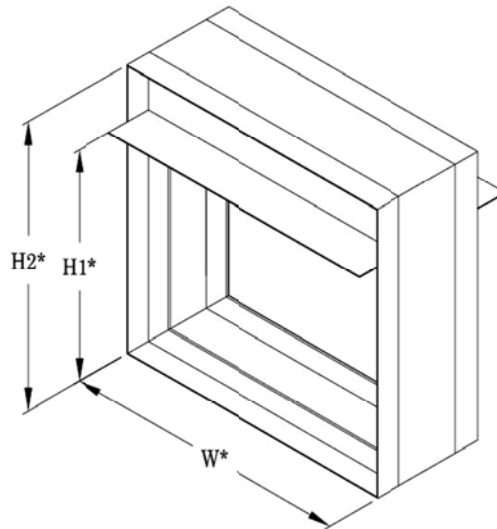
mm (inches)	Vertical Single Section
Minimum	102 x 102 (4" x 4")
Maximum	914 x 813 (36" x 32")

### Maximum Single Section



### Blade Stack Dimensions (Nominal)

H1*	H2*
102 (4")	152 (6")
127 (5")	178 (7")
152 (6")	203 (8")
178 (7")	229 (9")
203 (8")	254 (10")
229 (9")	279 (11")
254 (10")	305 (12")
279 (11")	330 (13")
305 (12")	356 (14")
330 (13")	381 (15")
356 (14")	406 (16")
381 (15")	457 (18")
406 (16")	483 (19")
432 (17")	508 (20")
457 (18")	533 (21")
483 (19")	559 (22")
508 (20")	584 (23")
533 (21")	610 (24")
559 (22")	660 (26")
584 (23")	686 (27")
610 (24")	711 (28")
635 (25")	737 (29")
660 (26")	762 (30")
686 (27")	787 (31")
711 (28")	813 (32")
737 (29")	838 (33")
762 (30")	864 (34")
787 (31")	889 (35")
813 (32")	914 (36")



\*These dimensions are furnished approximately 1/4"(6mm) undersize

## FD-10 TYPE C & CR

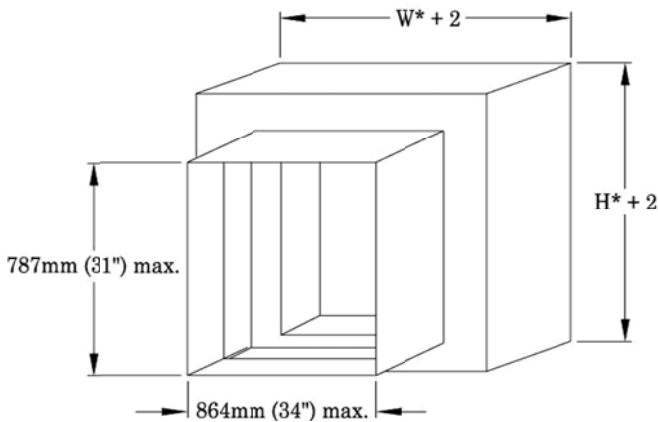
### SIZING DATA

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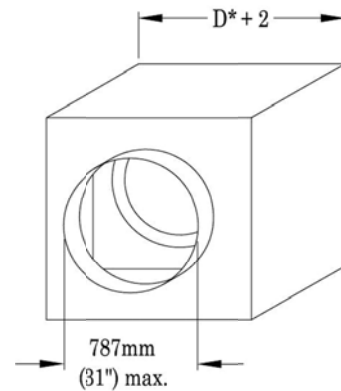
The following chart and illustrations show minimum and maximum damper section size and assembly configurations for single section.

### SIZE LIMITATIONS

mm (inches)	Type C		Type R	
	Minimum	Maximum	Minimum	Maximum
Vertical Single Section	76 x 76 (3" x 3")	864 x 787 (34" x 31")	76 (3")	787 (31")



**TYPE C**



**TYPE CR**

