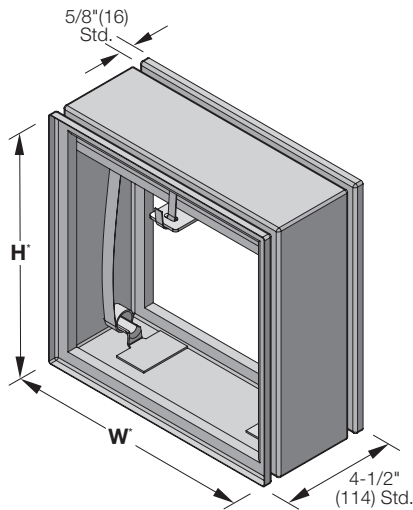




FD-4D-3A
(standard)

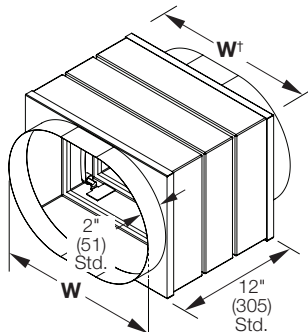
*Damper dimensions furnished approximately 1/4" (6) undersize.

Options

- **Factory-installed sleeve:**
 - Integral
- Gauge: ▪ 20(1.0) ▪ 18(1.3) ▪ 16(1.6) ▪ 14(2.0) ▪ 10(3.5)
- Length: ▪ 12"(305) ▪ 16"(406) ▪ 24"(610) ▪ Other _____
- **Low leakage taped joints** (Integral sleeve required)
- **Transitions:**
 - Flanged (sleeve required)
 - Round
 - Oval
 - Duct connections (sleeve required):
 - 1"(25) S-clip
 - DM-25
 - DM-35
 - S & Drive
 - WARD
- **16 ga. (1.6) retaining angle system:**
 - Picture Frame: ▪ SSPF (Single-side) ▪ DSPF (2-sided)
 - Individual Angle Set: ▪ SS (Single-side) ▪ DS (2-sided)
- **Alternate fire closure temperature:**
 - 212°F (100°C)
- **Duct access door factory mounted in common sleeve**
- **Burglar Bars**
- **Type-304 stainless steel construction**
- **PI-10** (Blade closure indication switch package):
 - External mount (sleeve required)
 - Internal mount
 - Loose

Oval Transitions

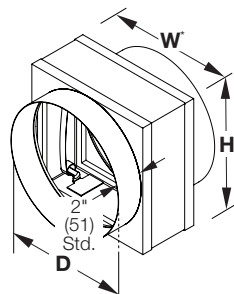
Oval duct transitions are standard with W and H equal to damper width and height dimensions. (available with W and H smaller than damper width and height)



Sleeve Style ISAO
(Optional)

Round Transitions

Round duct transitions are standard with D=W=H. (available with D<W and H)



Style AR (Optional)

The FD-4D-3A fire damper employs curtain style blades for point-of-origin control of fire in static and dynamic HVAC systems. The FD-4D-3A is qualified to 4,000 ft/min (20.4 m/s) and 4 in.wg. (1.0 kPa) and may be installed in vertical walls or partitions with fire resistance ratings up to 4 hours.

Ratings

UL 555 Fire Resistance Rating: 3 Hour (vertical)

UL HNLJ.V-5: Ventilation Duct Assemblies

Maximum Dynamic Closure Velocity: 4,000 fpm (20.3 m/s)

Maximum UL555S Rated Pressure: 4 in.wg. (1.0 kPa)

Listings

UL 555 listing: R14981

CAN/ULC S112 listing: R14981

CSFM listing: 3225-1404:101

New York City MEA listing: 295-98-E

Meets NFPA Standards: 90A, 92A, 92B and 101

Meets Building Code Standards: IBC, NBC, NFPA, SBC and UBC



Standard Construction

Frame: 22 gauge (0.85) galvanized steel

Blades: 24 gauge (0.7) galvanized steel – curtain style

Fire Closure Device: Fusible link

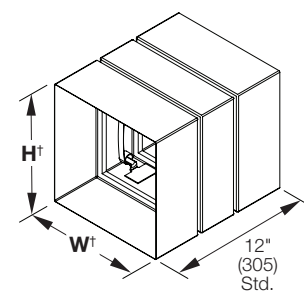
Fire Closure Temperature: 165°F (75°C)

Minimum Size: 6" x 6" (152 x 152)

Maximum Size: 36" x 36" (914 x 914)

Multiple Section: 108" x 24" (2743 x 810)

Stainless Steel: Single Section: 36" x 24" (914 x 810)



Sleeve Style ISA (Optional)

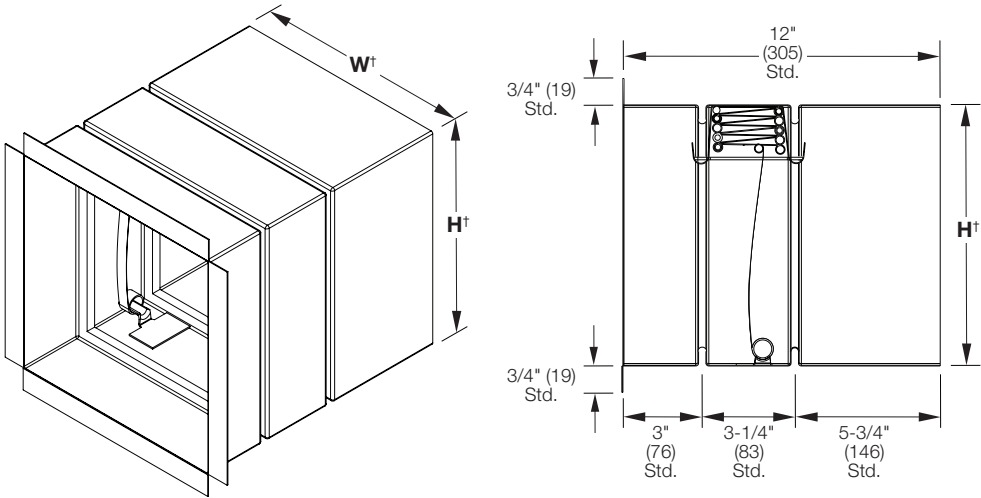
* Damper dimensions furnished approximately 1/8" (3) undersize

NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.

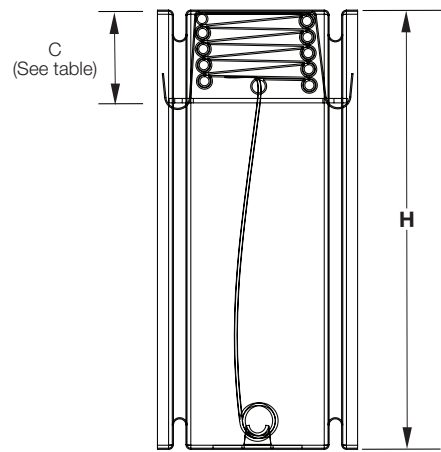
Blade Stack Dimensional Data

FD-4D-3A

3-Hour Rated – Dynamic Fire Damper
Curtain Style Blade



Blade Stack Dimensional Data



	Damper Width	
	Galvanized Vertical Mount: 6"(152) - 36"(914)	Galvanized Vertical Mount: 37" (940) - 108" (2743) Stainless Vertical Mount: 6" (152) - 36 (914)
Nominal Duct Height 'H'	Blade Stack Height 'C'	Blade Stack Height 'C'
6" (152)	1-1/16" (27)	1-3/16" (30)
7" (178) - 9" (229)	1-3/16" (30)	1-7/16" (37)
10" (254) - 12" (305)	1-7/16" (37)	1-9/16" (40)
13" (330) - 14" (356)	1-9/16" (40)	1-13/16" (46)
15" (381) - 17" (432)	1-13/16" (46)	1-15/16" (49)
18" (457) - 19" (483)	1-15/16" (49)	2-3/16" (56)
20" (508) - 22" (559)	2-3/16" (56)	2-5/16" (59)
23" (584) - 24" (610)	2-5/16" (59)	2-9/16" (65)
25" (635) - 27" (686)	2-9/16" (65)	
28" (711) - 29" (737)	2-11/16" (68)	
30" (762) - 32" (813)	2-15/16" (75)	
33" (838) - 34" (864)	3-1/16" (78)	
35" (889) - 36" (914)	3-5/16" (84)	