

IBD2-OW

"Out Of Wall Or Floor" Fire Damper

1 1/2 Hour UL555 Rated For Use In Static Systems



APPLICATION

Ruskin IBD2/OW "Out of Wall" or "Out of Floor" Static Fire Dampers are designed to be installed with the Frame and blades up to 8" (203) out of the wall or floor and is supplied with a factory insulated sleeve. The IBD2/OW can be mounted with angle one side wall or top side of the floor. The IBD2/OW is great for when retrofitting and the damper can not be installed with the blades within the wall/floor. Also used with louvers or grilles that the depth of the louver will not allow the damper to be within the plane of the wall.

STANDARD CONSTRUCTION

Frame & Blades	Galvanized Steel (in gauges required by UL listing R-5531)
Sleeve	Galvanized Steel 18 gauge (1.2)
Closure Springs (Horizontal Only)	301 stainless steel constant force type
Fusible Link	165°F (74°C) is standard. 212°F (100°C) is available

DAMPER SIZES

Minimum Size	Vertical Installation - Style A - 4"w x 4"h (102 x 102) Horizontal Installation - Style A - 6"w x 6"h (152 x 152)
Maximum Size	Vertical or Horizontal Installation - Style A - 36"w x 36"h (914 x 914)

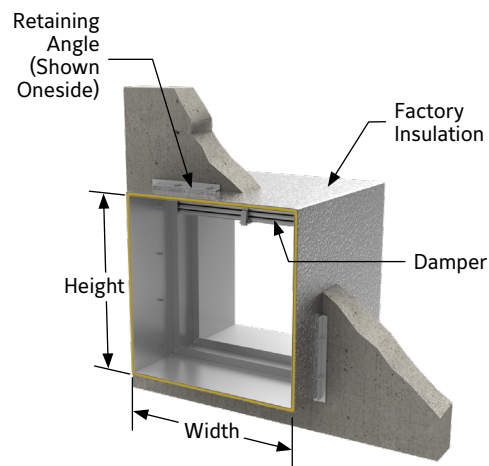
OPTIONS

Switch package to remotely indicate damper blade position

GA = Grille Access Type for "out of the wall or floor" grille applications

Sleeve of various lengths and gauges to insure field compliance with UL installation requirements

Stainless Steel construction See Model IBD2SS/OW



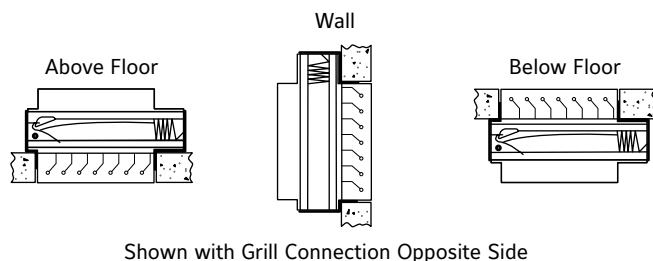
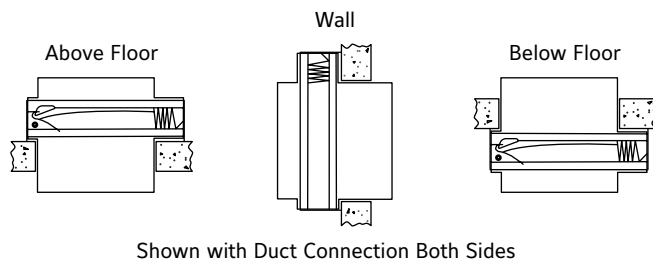
Ruskin's IBD2/OW series fire dampers meet the requirements for fire dampers established by:

- ▶ **National Fire Protection Association**
NFPA Standards 90A, 92A, 92B and 101
- ▶ **ICC International Building Codes**
- ▶ **CSFM California State Fire Marshal Listing**
#3225-0245:005



SEE COMPLETE
MARKING ON PRODUCT

UL Classified
UL555 Listing R5531
ULC S112



Note:
- Dimensions shown in parentheses () indicate millimeters.
- Unit furnished approximately 1/4" (6) smaller than given opening dimensions.

DAMPER DIMENSIONAL DATA

DUCT TRANSITION CONNECTIONS

IBD2/OW damper may be supplied with Round, Oval and Rectangular duct connections.

Style	Description
BC	Units Under 6" (152) Tall
WR	Round Welded (High Pressure)
WC	Rectangular Welded (High Pressure)
WO	Oval Welded (High Pressure)

See DIBD2 specification sheet for the over-all damper sizes on units with round, oval or rectangular transitions.

MINIMUM and MAXIMUM SIZES

WR Round Transitions

Minimum 4" (102) diameter
Maximum 34" (864) diameter

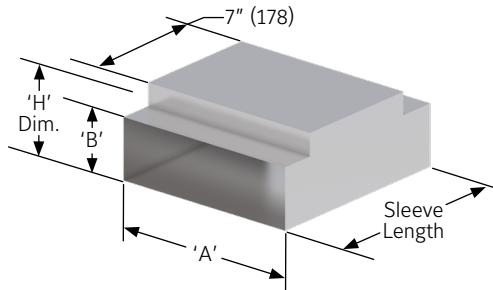
WO Rectangular and Oval Transitions

Minimum 4" x 4" (102 x 102)
Maximum 34" x 31" (864 x 787)

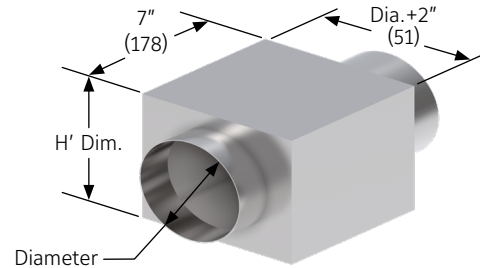
'BC' Style Transitions

Minimum 4" x 4" (102 x 102)
Maximum 34" x 32" (864 x 813)

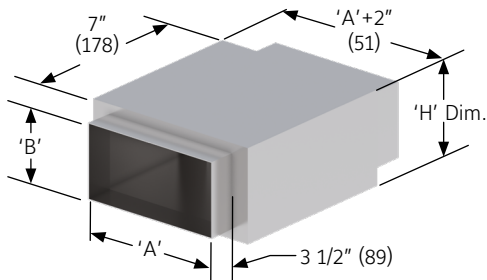
Consult Ruskin for other available styles and sizes.



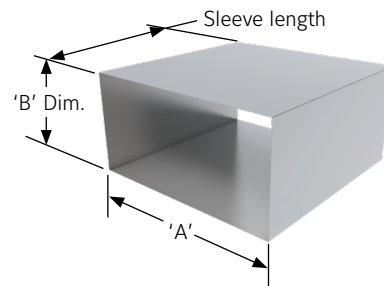
Style BC



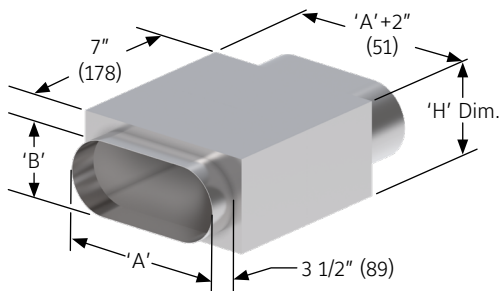
Style WR



Style WC



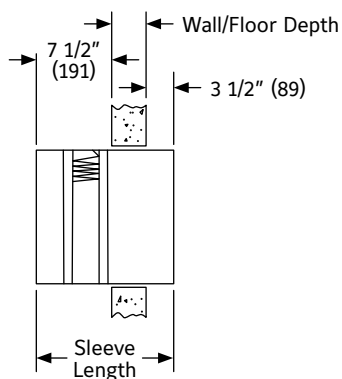
Style A



Style WO

DAMPER SLEEVE DIMENSIONAL DATA

The drawings show the position of the damper mounted in the factory sleeve. The standard location permits the damper to be installed outside the plane of the wall or floor. For damper styles WR, WC, WO and BC only the duct connection portion extends through the wall and the damper assembly is mounted flush with the wall.



STYLE A

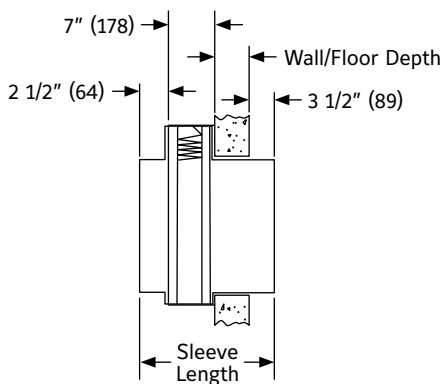
Sleeve Length Formula:

To determine correct sleeve length necessary: Add wall or floor depth + 7 1/2" (191) + 3 1/2" (89).

Example:

Wall depth 4" (102) + 7 1/2" (191) + 3 1/2" (89) = 15" (381).

Sleeve Length with Duct Connection on Both Side



STYLES BC, WR, WC & WO

Sleeve Length Formula:

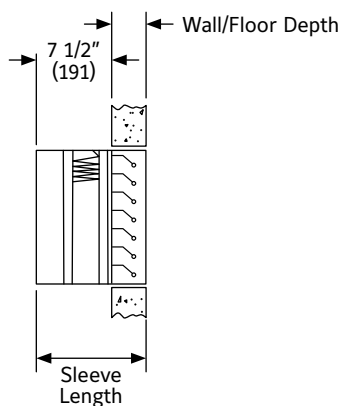
To determine correct sleeve length necessary: Add wall or floor depth + 10 1/2" (241) + 3 1/2" (89).

Example:

Wall depth 4" (102) + 10 1/2" (241) + 3 1/2" (89) = 18" (432).

Sleeve Length with Duct Connection on Both Side

DAMPER SLEEVE DIMENSIONAL DATA



STYLE A

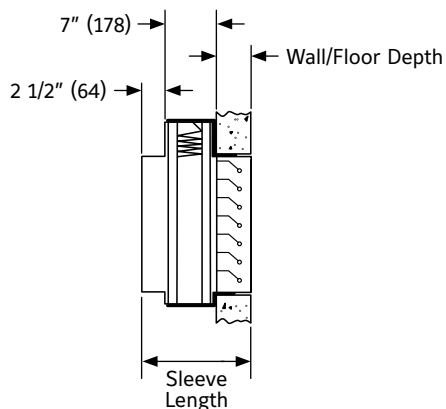
Sleeve Length Formula:

To determine correct sleeve length necessary: Add wall or floor depth + 7 1/2" (191).

Example:

Wall depth 4" (102) + 7 1/2" (191) = 11 1/2" (292).

Sleeve Length with Grille Connection



STYLES BC, WR, WC & WO

Sleeve Length Formula:

To determine correct sleeve length necessary: Add wall or floor depth + 10 1/2" (241).

Example:

Wall depth 4" (102) + 10 1/2" (241) = 14 1/2" (432).

Sleeve Length with Grille Connection

LINKS TO IMPORTANT DOCUMENTS

Document Title

Limited Warranty Document



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