

IBD20G/DIBD20G

Curtain Type Fire Dampers for Grilles

1 1/2 Hour UL555 Rated | For use in Static or Dynamic Systems



APPLICATION

IBD20G (Static) and DIBD20G (Dynamic) curtain type fire dampers for grille installation may be installed vertically in walls or horizontally in floors with fire resistance ratings of less than 3 hours. Model 'G' curtain fire dampers are offset in a sleeve to fit within the wall/floor plane behind the customer's supplied grille. The damper/sleeve assembly is installed with angle one side (FAST) to allow the use of all types of grilles.

Model 'G' dampers require access to both sides of the wall/floor for the proper installation; however, access through the grille for inspection or maintenance is permissible.

For application where the damper would be installed outside the plane of the wall or floor refer to model GA (Grille Access) or OW (Out of Wall).



STANDARD CONSTRUCTION

Frame & Blades	Galvanized (in gauges required by UL listing R-5531).
Closure Springs	Stainless steel (when required by UL listing R-5531).
Fusible Link	165°F (74°C) is standard. 212°F (100°C) and 285°F (141°C) are optional.
Sleeve	Galvanized (in gauges required by UL listing R-5531).
Mounting Angle (Fast)	20 gauge (1.0) galvanized steel (one piece wrap around angle).



The (D)IBD20G meets the requirements for fire dampers established by:

- ▶ **National Fire Protection Association**
NFPA Standards 90A and 101
- ▶ **ICC International Building Codes**
- ▶ **CSFM California State Fire Marshal**
Fire Damper Listing (#3225-0245:0005)



SEE COMPLETE MARKING ON PRODUCT

UL CLASSIFIED
UL555 Listing R5531
ULC S112

DAMPER SIZES

IBD20G - Not for use in Dynamic (fans on) System.	
Minimum Size	Vertical - 4"w x 4"h (102 x 102) Horizontal Installation - 6"w x 6"h (152 x 152)
Maximum Size	Vertical Installation - 48"w x 30"h (1219 x 762) or 33"w x 54"h (838 x 1372) or 36"w x 36"h (914 x 914) Horizontal Installation - 30"w x 45 1/2"h (762 x 1156) or 33"w x 38"h (838 x 965)
DIBD20G - For use in Dynamic (fans on) or Static (fans off) System.	
Minimum Size	Vertical - 4"w x 4"h (102 x 102) Horizontal Installation - 6"w x 6"h (152 x 152)
Maximum Size	Vertical Installation - 33"w x 36"h (762 x 914) Horizontal Installation - 24"w x 24"h (610 x 610)

OPTIONS

SP100 Switch Package to remotely indicate damper blade position.

Factory Sealed Sleeve.

NOTES:

- Dimensions shown in parentheses () indicate millimeters.
- Damper/sleeve assembly furnished actual size to inside of sleeve.

HOW TO APPLY IBD20G AND DIBD20G

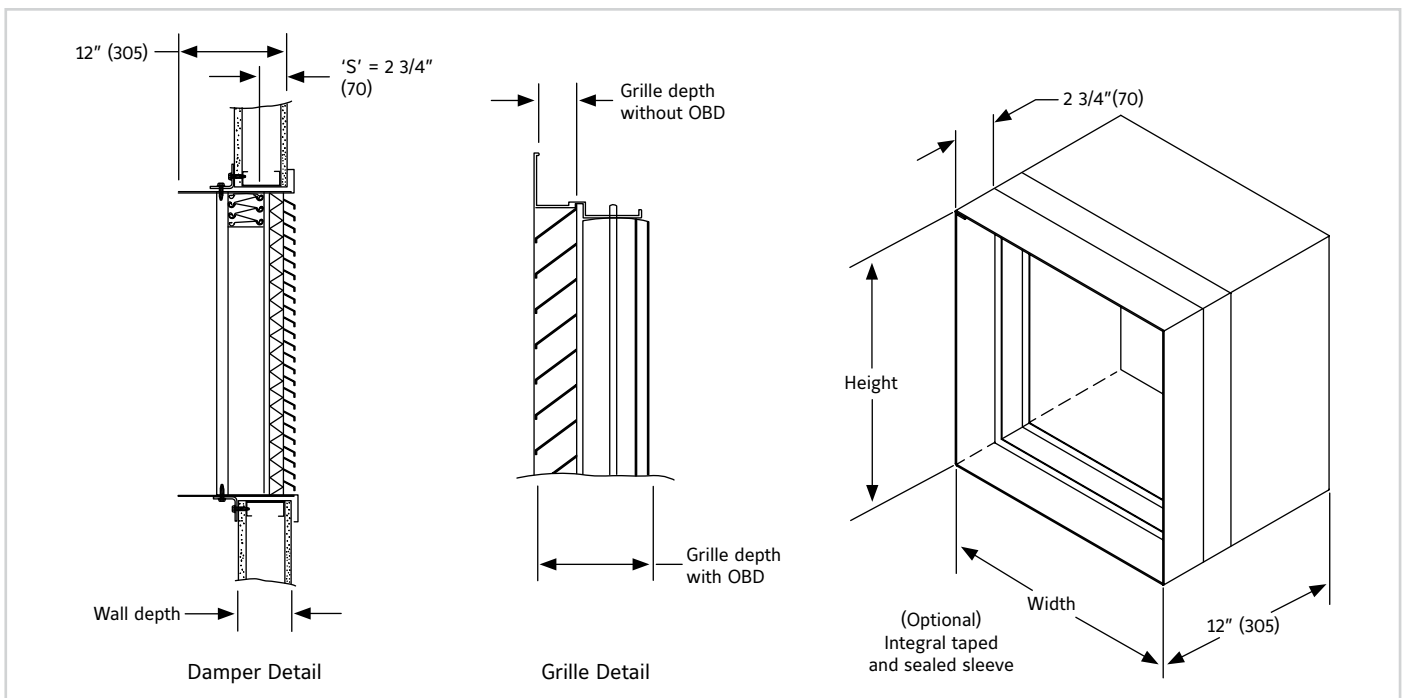
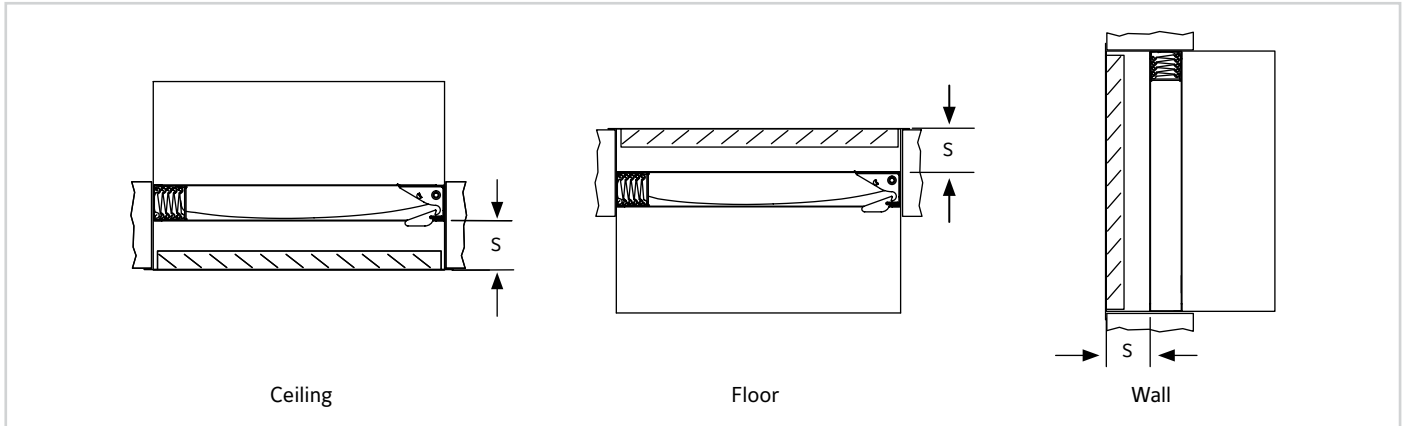
- ▶ Size the damper A x B (width x height)
- ▶ 'S' dimension = 2 3/4" (70)
- ▶ Determine the orientation (wall, floor or ceiling)
- ▶ Determine the wall, floor or ceiling depth

Ducted

- ▶ 'G' models have a standard 'S' set back dimension of 2 3/4" (70)
- ▶ Sleeve lengths (L) are calculated as: Minimum wall, floor or ceiling depth = 4" (102)
- ▶ The minimum wall, floor or ceiling depth is calculated by adding the 'S' dimension + 1 1/4" (31) (See note 1)

Note: If the wall, floor or ceiling depth is less than the minimum depth, refer to Models 'GA' or 'OW' for the proper UL installation. Also consider changing to a grille with a shallower overall depth.

Orientation



LINKS TO IMPORTANT DOCUMENTS

Document Title

Limited Warranty Document



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