

## FD60 AND FD35 STYLE G MULTIPLE BLADE FIRE DAMPERS FOR GRILLE APPLICATIONS 1½ HOUR UL555 RATED FOR USE IN DYNAMIC OR STATIC SYSTEMS

### APPLICATION

The FD60 and FD35 Style G multiple blade type fire dampers can be installed vertically (in walls) with fire resistance ratings of less than 3 hours. They are offset in a sleeve with ¾" (19) grille mounting flanges. The damper and sleeve assembly fit flush in the wall opening and the customer supplied grille installs over and completely conceals the mounting flanges.

### STANDARD CONSTRUCTION

#### FRAME

5" x 1" x 16 gage (127 x 25 x 1.52) galvanized hat-shaped channel.

#### BLADES

Airfoil-shaped for the FD60 and triple-v groove shaped for the FD35.

#### LINKAGE

Concealed in frame.

#### AXLES

½" (13) plated steel hex shaped.

#### FUSIBLE LINK

165°F (74°C) is standard. 212°F (100°C) and 285°F (141°C) available.

#### MOUNTING

Vertical.

Models FD60 and FD35 Style G meet the requirements for fire dampers established by:

- **National Fire Protection Association NFPA Standards** 90A and 101
- **BOCA National Building Codes**
- **ICBO Uniform Building Codes**
- **SBCCI Standard Building Codes**
- **ICC International Building Codes**
- **CSFM California State Fire Marshal Fire Damper Listing** (#3225-245:005 and # 3225-245:102)

#### UL CLASSIFIED

UL555 Listing R5531.



SEE COMPLETE  
MARKING  
ON PRODUCT



SPECIFICATION  
TESTED PRODUCT  
(OPTION)

### DAMPER SIZES

#### MINIMUM SIZE

FD60 or FD35 – 8"w x 6"h (203 x 152)

#### MAXIMUM SIZE

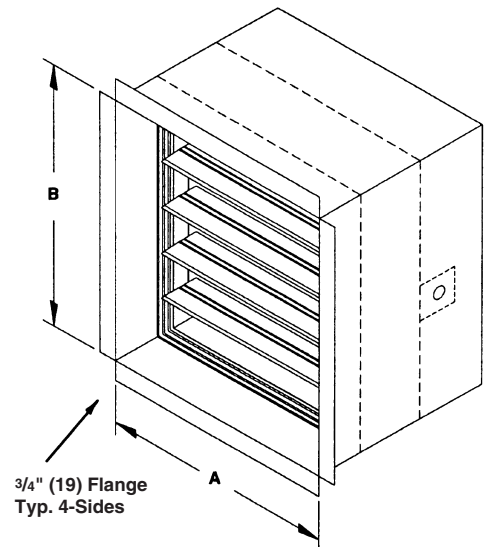
FD60 – 32"w x 48"h (813 x 1219)  
FD35 – 36"w x 48"h (914 x 1219) or 48"w x 36"h (1219 x 914)

### OPTIONS

- **FM Approved** as Specification Tested Product.
- **Switch Package** to remotely indicate damper blade position.
- **FAST Angle** for one side angle installations.
- **GA, Grille Access Type** for "out of the wall" and no angle grille applications. (See FD60GA or FD35GA models.)
- **Sleeve** of various lengths and gages to insure field compliance with UL installation requirements.
- **Access Door** factory mounted in common sleeve to ensure compliance with UL installation requirements.

### NOTES:

1. Dimensions shown in parentheses ( ) indicate millimeters.
2. Damper/sleeve assemblies furnished actual size.
3. Refer to G Style installation instructions and supplements for complete installation details.



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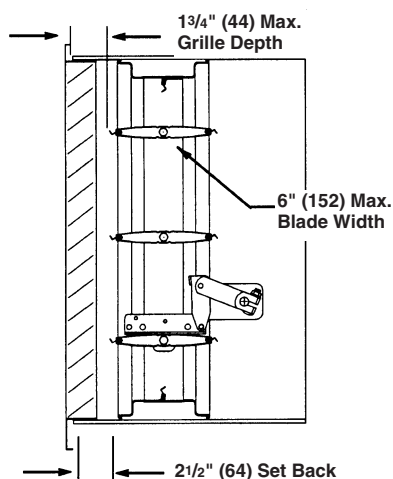
## HOW TO APPLY

1. Size the damper (A x B).
2. Determine the set back dimension. See note 1 and figure below.
3. Calculate sleeve length. See note 2.
4. Install the damper per the UL approved installation instructions. See notes 3 and 4.

### NOTES:

1. FD35 and 60 Style G must be ordered with a sleeve and is available with a standard set back dimension (see figure below) of 2 1/2" (64). Other set back dimensions are available and must be specified.
2. Minimum sleeve length is 12" (305). Consult Ruskin for sleeves less than 12" (305).
3. If damper will be "out of wall" refer to FD35GA or FD60GA or consult Ruskin.
4. For no angle installation or installation from one side of wall refer to FD35GA or FD60GA or consult Ruskin.
5. Dimensions shown in parentheses ( ) indicate millimeters.

FD60 SHOWN



**Note:** The minimum wall thickness is 5" (127). Consult Ruskin if wall is less than 5" (127).

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