

## DMPR-KC151 Horizontal Blade-to-Blade Bracket

Use the DMPR-KC151 Horizontal Blade-to-Blade Bracket to horizontally couple two dampers which operate in the same direction, either both normally open or both normally closed. One kit is required for every 24 inches of damper height. Use DMPR-KC150 for face/bypass application or adjustable bracket requirements.

### Kit Includes

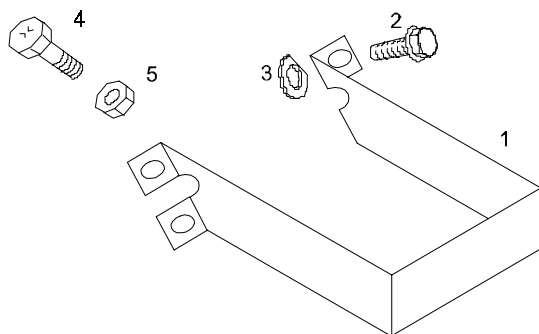


Figure 1: Kit Components

Table 1: Kit Components

Item	Description	Quantity
1	Bracket	1
2	#12-24 x 1/2 inch Self-tapping, Hex-head Screw	4
3	Modified Spacing Washers	4
4	#10-32 x 1-1/4 inch long Hex-head Screw	4
5	#10-32 Hex Nut	4

### Tools Required

- screwdriver, flat-blade, 5/16 inch or #12 nut driver
- drill, 3/16 inch (5 mm) drill bit
- wrench, 5/16 and 7/16 inch

### Procedures

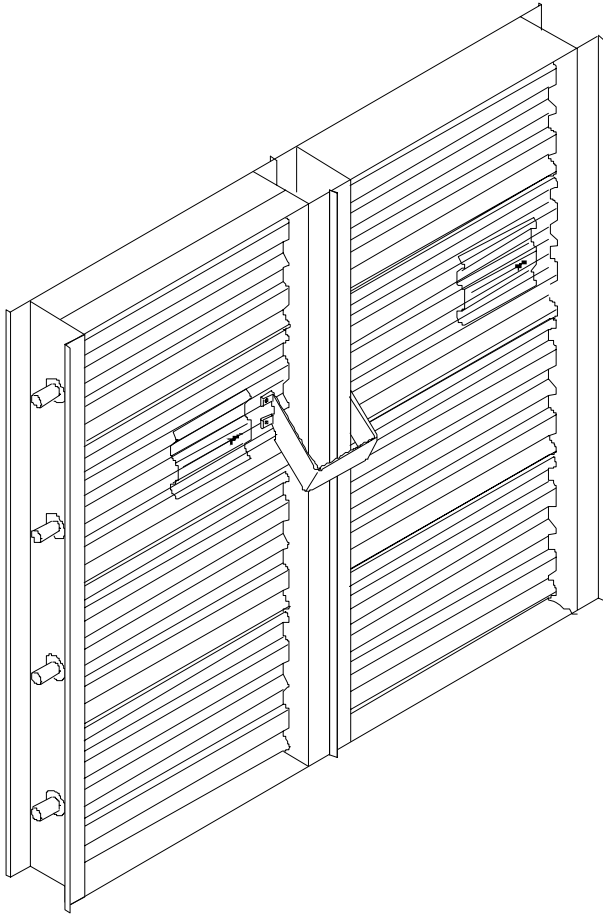
To install the bracket, proceed as follows:

1. Attach the two panels together using a DMPR-KC201 Damper Fastener Kit.

Table 2: Recommended Bracket Locations

Damper Height, in.	Blades
24 or less	No. 1 or 3
Greater than 24 but less than 48	Nos. 3 and 5
Greater than 48	Nos. 3, 5, and 7

2. Locate the recommended bracket location(s) specified in Table 2.
3. Set the bracket (item 1 in Figure 1) against the blades to be connected in each panel so that the bracket legs are over the blade pins and are equally spaced from each frame. Mark the location of the holes in the legs.
4. Drill a 3/16 inch (5 mm) diameter hole for each mark.



**Figure 2: Positioning Bracket**

5. Secure the damper blade arm to the preferred driving blade.
  - Use the two #12-24 x 1/2 inch hex-head, self-tapping screws (item 2 in Figure 1) and the modified washers (item 3 in Figure 1) for 16-gauge blades.
  - Use the two #12-24 x 1/2 inch hex-head, self-tapping screws (item 2 in Figure 1) for double-piece blades.
  - Use the two #10-32 hex-head screws (item 4 in Figure 1) and two #10-32 hex nuts (item 5 in Figure 1) to secure the blade arm to airfoil blades.
6. Stroke the dampers to verify full unobstructed travel.

*For application at conditions beyond these specifications, consult the local Johnson Controls representative. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.*

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