

## TDF – WARD - DUCTMATE SLEEVE FLANGE BREAKAWAY CONNECTIONS

### APPLICATION

Ruskin offers the largest selection of flange breakaway connections on fire, smoke and combination fire/smoke dampers. UL testing has resulted in Ruskin being able to install flange breakaway connections on the largest dampers in the industry. **Refer to the Flanged System Breakaway Connections Installation Supplement for specific size and application information.**

### TDF

TDF is a proprietary flange system and is available as an option on Ruskin dampers listed below fitted with a factory sleeve. TDF allows for fast, simple duct connections in the field and is available on either both ends or only one end of the sleeve. TDF on one end only will permit the non-flanged end of the sleeve to fit through a previously framed opening.

TDF is roll-formed on to the end of the sleeve on damper/sleeve assemblies meeting the following requirements:

**Damper Models** - (D)IBD20, (D)IBD2, (D)IBD230, (D)IBD23, all fire/smoke dampers, all multi-blade fire dampers, all smoke dampers and all control dampers.

**Damper Size** - 60"w x 60"h (1524 x 1524) or 240 (6096) perimeter inches.

**Damper Style** - A, BC

**Sleeve Length** - 12" (305), 14" (356), 16" (406), 17" (432), 20" (508), 22" (559), 24" (610), 26" (660).

**Sleeve Thickness** - 20 gage (1.0).

**Damper styles other than A or BC and sleeves not meeting the above requirements are available with TDF mechanically fastened and sealed to the end of the sleeve. Mechanically fastened TDF to C style dampers adds 6" (152) to the overall sleeve length.**

### DUCTMATE or WARD FLANGES

Ductmate and Ward flanges are cut to size and fit on to the end of the damper sleeve and used as a breakaway connection to connect rectangular ducts when a leak-free connection is required.

Ductmate and Ward flanges are available on sleeves of damper/sleeve assemblies meeting the following requirements:

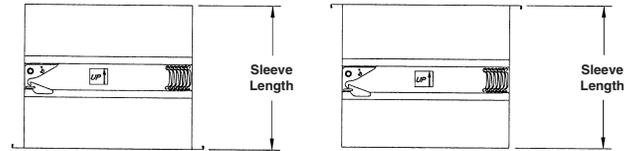
**Thickness** - 18 gage (1.2) or less.

**Length** - All lengths.

**Damper Style** - All styles.

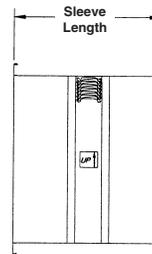
### IMPORTANT NOTES

1. When supplying the flanges listed above, Ruskin provides only the flange installed on the damper. All mating flanges, gaskets, cleats, bolts, etc. are supplied by the installer.
2. When ordering a horizontal fire damper with TDF on one end only, you must indicate damper orientation. The orientation will be floor return or floor supply.

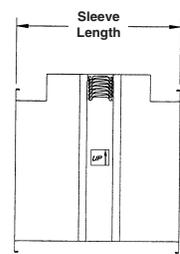


Floor Return

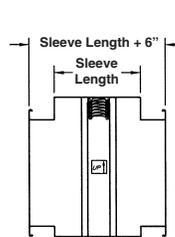
Floor Supply



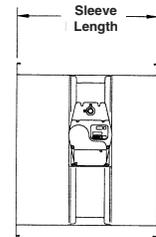
"A" Style Fire Damper



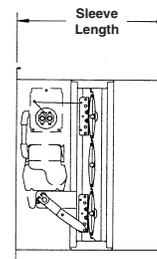
"BC" Style Fire Damper



"C" Style Fire Damper



Smoke Damper



Fire/Smoke Damper

(supplied on actuator side when only one side is provided)



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ON PRODUCT

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