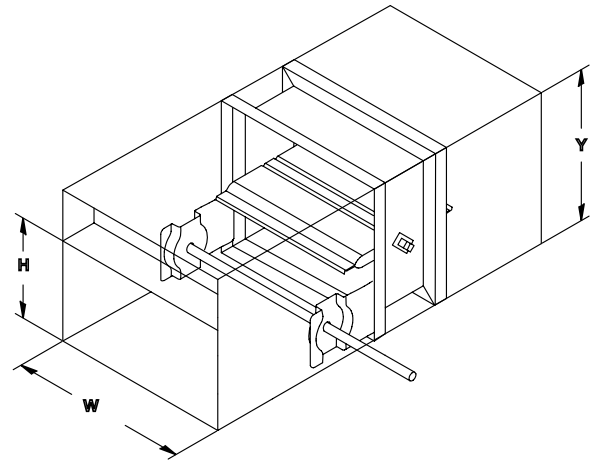


Dampers with duct connections smaller than minimum allowable damper size will be fabricated in a sleeve with undersized transitions at each end of the sleeve to match the duct size. Overall damper size will be greater than the duct size.

Sleeves and transitions are required on undersized dampers.

Type B

Use the chart below to determine the overall size of the damper. Transitions will be provided at each end of the sleeve to match your duct size.



Overall Size:

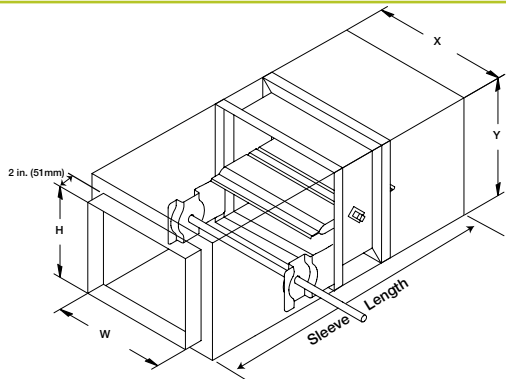
Models	Minimum Allowable Damper Size (W x H)	Duct Height (H)		Damper Height (Y)
		Above	Under	
FSD-211, 211M, 212, 213, 311, 311M, 312; SMD-201, 201M, 202, 301, 301M, 302; CFSD-211-2, CFSD-211-3	6 x 6 (152 x 152)	3.99 (101)	5 (127)	H + 2 (H + 51)
		4.99 (127)	6 (152)	H + 1 (H + 25)
FSD-331; SEFSD-211; SESMD-201; DFD-210; DFDAF-310, 330; SEDFD-210	8 x 6 (203 x 152)	3.99 (101)	5 (127)	H + 2 (H + 51)
		4.99 (127)	6 (152)	H + 1 (H + 25)
SMD-401, 401M	8 x 8 (203 x 203)	3.99 (101)	5 (127)	H + 4 (H + 102)
		4.99 (127)	6 (152)	H + 3 (H + 76)
		5.99 (152)	7 (178)	H + 2 (H + 51)
		6.99 (178)	8 (203)	H + 1 (H + 25)

All dimensions are in inches (mm).

All dimensions are in inches (mm).

Type C

Use the chart below to determine the overall size of the damper. Transitions will be provided at each end of the sleeve to match your duct size.



Overall Size

Models	Minimum Allowable Damper Size (W x H)	Duct Width (W)		Damper Width (X)
		Above	Under	
FSD-211, 211M, 212, 213, 311, 311M, 312; SMD-201, 201M, 202, 301, 301M, 302; CFSD-211-2, CFSD-211-3	6 x 6 (152 x 152)	3.99 (101)	6 (152)	W + 2 (W + 51)
FSD-331; SEFSD-211; SESMD-201; DFD-210; DFDAF-310, 330; SEDFD-210	8 x 6 (203 x 152)	3.99 (101)	5 (127)	W + 4 (W + 102)
		4.99 (127)	6 (152)	W + 3 (W + 76)
		5.99 (152)	7 (178)	W + 2 (W + 51)
		6.99 (178)	8 (203)	W + 2 (W + 51)
SMD-401, 401M	8 x 8 (203 x 203)	3.99 (101)	5 (127)	W + 4 (H + 102)
		4.99 (127)	6 (152)	W + 3 (H + 76)
		5.99 (152)	8 (203)	W + 2 (W + 51)

Overall Size

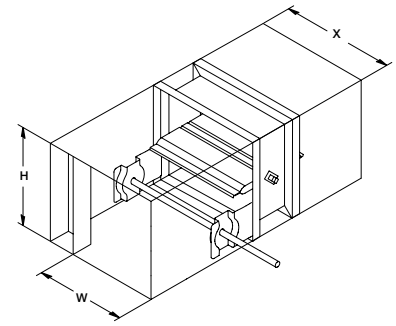
Models	Minimum Buildable Damper Size (W x H)	Height (H)		Damper Height (Y)
		Above	Under	
FSD-211, 211M, 212, 213, 311, 311M, 312; SMD-201, 201M, 202, 301, 301M, 302; CFSD-211-2, CFSD-211-3	6 x 6 (152 x 152)	3.99 (101)	6 (152)	H + 2 (H + 51)
FSD-331; SEFSD-211; SESMD-201; DFD-210; DFDAF-310, 330; SEDFD-210	8 x 6 (203 x 152)	3.99 (101)	6 (152)	H + 2 (H + 51)
SMD-401, 401M	8 x 8 (203 x 203)	3.99 (101)	5 (127)	H + 4 (H + 102)
		4.99 (127)	6 (152)	H + 3 (H + 76)
		5.99 (152)	8 (203)	H + 2 (H + 51)

All dimensions are in inches (mm).

Type S

Undersized Transitions for Multi-Blade FSD, SMD, and DFD Models

Use the chart below to determine the overall size of the damper. Transitions will be provided at each end of the sleeve to match your duct size.



Overall Size

Models	Minimum Allowable Damper Size (W x H)	Duct Width (W)		Damper Width (X)
		Above	Under	
FSD-331; SEFSD-211; SESMD-201; SEDFD-210; DFD-210; DFDAF-310, 330	8 x 6 (203 x 152)	3.99 (101)	5 (127)	$W + 4$ ($W + 102$)
		4.99 (127)	6 (152)	$W + 3$ ($W + 76$)
		5.99 (152)	7 (178)	$W + 2$ ($W + 51$)
		6.99 (177)	8 (203)	$W + 1$ ($W + 25$)
SMD-401, SMD-401M	8 x 8 (203 x 203)	3.99 (101)	5 (127)	$W + 4$ ($W + 102$)
		4.99 (127)	6 (152)	$W + 3$ ($W + 76$)
		5.99 (152)	7 (178)	$W + 2$ ($W + 51$)
		6.99 (177)	8 (203)	$W + 1$ ($W + 25$)

Configuration 1: Has fusible link and/or damper height is greater than 18 in. (457 mm)

Overall Size

Models	Minimum Allowable Damper Size (W x H)	Duct Width (W)		Damper Width (X)
		Above	Under	
FSD-211, 211M, 212, 213, 311, 311M, 312; SMD-201, 201M, 202, 301, 301M, 302; CFSD-211-2, CFSD-211-3	8 x 6 (203 x 152)	3.99 (101)	5 (127)	$W + 4$ ($W + 102$)
		4.99 (127)	6 (152)	$W + 3$ ($W + 76$)
		5.99 (152)	7 (178)	$W + 2$ ($W + 51$)
		6.99 (177)	8 (203)	$W + 1$ ($W + 25$)

Configuration 2: Has RRL, RRL/OCI, OCI, or TOR and/or damper height is less than or equal to 18 in. (457 mm)

Overall Size

Models	Minimum Allowable Damper Size (W x H)	Duct Width (W)		Damper Width (X)
		Above	Under	
FSD-211, 211M, 212, 213, 311, 311M, 312; SMD-201, 201M, 202, 301, 301M, 302; CFSD-211-2, CFSD-211-3	6 x 6 (152 x 152)	3.99 (101)	5 (127)	$W + 2$ ($W + 51$)
		4.99 (127)	6 (152)	$W + 1$ ($W + 25$)

All dimensions are in inches (mm).

