



***Ruskin*[®] Quick Product Selection Tables: Commercial Dampers**

The Quick Product Selection Reference Guide assists in selecting the appropriate *Ruskin*[®] Product for your application.




































Commercial Airfoil Blades
















Commercial V Groove Blades

DISCLAIMER

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Commercial Control Dampers > Airfoil Blades


































Damper Model	Description	Damper Section Widths* In. (mm)	MAX. System Pressure (in. w.g.)	MAX. System Velocity (FPM)	Leakage (CFM/sq. ft.)	Temperature Range °F (°C)	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
CD50	5" Deep, Alum. Rectangular, airfoil, Class IA leakage, heavy duty	60" (1524)	3.50	3000	2.5	-72°F to 275°F			 	
		48" (1219)	6.20	4000	2.7	-58°C to 135°C				
		36" (914)	8.50	4000	3.0					
		24" (610)	10.75	5000	3.0					
		12" (305)	13.00	6000	3.0					
CD50V	5" DEEP Alum. rectangular, vertical airfoil, class II leakage, heavy duty	48" (1219)	6.20	4000	7.2	-50°F to 250°F			-	
		36" (914)	8.50	4000	7.2	(-46°C to 121°C)				
		24" (610)	10.75	5000	10.0					
		12" (305)	13.00	6000	10.0					
CD40	4" DEEP Alum. rectangular, airfoil, class I leakage, heavy duty	60" (1524)	3.00	3000	2.5	-72°F to 275°F			 	
CD504	5" DEEP Alum. rectangular, airfoil, class I leakage, heavy duty	48" (1219)	6.00	4000	2.5	(-58°C to 135°C)			 	
CD403	4" DEEP Alum Rectangular, airfoil, class I leakage, linear control	12" (305)	15.00	6000	5.0				 	
CD40X2	8" DEEP Alum, Insulated Low Leak Commercial Control Damper	36" (914)	10.00	4000	3.5				 	
		24" (610)	12.00	5000	3.5					
CDTI-50	5" DEEP ALUM. INSULATED	60" (1524)	6.00	3000	2.0	-70°F to 200°F			 	
TED50	5" DEEP ALUM.	60" (1524)	6.00	3000	3.0	-45°F to 185°F			-	-
	THERMALLY EFFICIENT	48" (1219)	8.50	4000	3.0	(-43°C to 85°C)				
		36" (914)	11.00	4000	3.0					
TED50XT	THERMALLY EFFICIENT	24" (610)	13.50	5000	3.0	-70°F to 200°F		-	-	-






		12" (305)	16.00	6000	3.0	(-57°C to 93°C)				
CD60	5" DEEP GALV. STEEL	60" (1524)	3.50	3000	2.0	-72°F to 275°F			 	
		48" (1219)	6.20	4000	2.0	(-58°C to 135°C)				
		36" (914)	8.50	4000	2.0					
		24" (610)	10.75	5000	2.5					
		12" (305)	13.00	6000	3.0					
CD60V	5" DEEP GALV. STEEL VERTICAL	48" (1219)	6.20	4000	7.2	-76°F to 275°F			 	
		36" (914)	8.50	4000	7.2	(-60°C to 135°C)				
		24" (610)	10.75	5000	10.0					
		12" (305)	13.00	6000	10.0					
ZMD60	6" DEEP ALUM. ZONE MIXING	30" (762)	9.50	4000	5.0	-72°F to 275°F		-	 	
		24" (610)	10.50	4000	5.0	(-58°C to 135°C)				
		12" (305)	13.00	5000	5.0					

*Damper section widths vary depending on system pressure and velocity requirements. Multiple section dampers are available in unlimited sizes. Leakage information based on pressure differential of 1" w.g. tested per AMCA 500.

Commercial Control Dampers > V Groove Blades

Damper Model	Description	DAMPER Section Widths* In. (mm)	MAX. System Pressure (in. w.g.)	MAX. System Velocity (FPM)	Leakage (CFM/sq. ft.)	Temperature Range °F (°C)	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
CD36	5" DEEP GALV. STEEL 3-V	48" (1219)	2.50	2000	5.4 —	-25°F to 185°F				
		36" (914)	3.00	2500	5.3 —	(-32°C to 85°C)				
		24" (610)	4.00	3000	5.7 —					
		12" (305)	5.00	3000	7.0 —					
CD35	5" DEEP GALV. STEEL 3-V	48" (1219)	2.50	1500	10.0 40.0	-40°F to 240°F				
		36" (914)	3.00	1500	10.0 40.0	(-40°C to 116°C)				
		24" (610)	4.00	1500	12.0 50.0					
		12" (305)	5.00	1500	17.0 65.0					
CD356	5" DEEP GALV. STEEL 3-V	48" (1219)	2.50	2000	5.4 —	-25°F to 185°F			-	
		36" (914)	3.00	2500	5.3 —	(-32°C to 85°C)				
		24" (610)	4.00	3000	5.7 —					
		12" (305)	5.00	3000	7.0 —					
CD355	5" DEEP GALV. STEEL 3-V	48" (1219)	2.50	1500	10.0 40.0	-40°F to 240°F			-	
		36" (914)	3.00	1500	10.0 40.0	(-40°C to 116°C)				
		24" (610)	4.00	1500	12.0 50.0					
		12" (305)	5.00	1500	17.0 65.0					
IL35	5" DEEP GALV. STEEL INSULATED	48" (1219)	4.0"	1500	5.4 —	-25° F TO 180°F				
		36" (914)	5.0"	1500	5.3 —	(-32°C to 83°C)				
		24" (610)	6.0"	1500	5.7 —					

		12" (305)	8.0"	1500	7.0	—					
CD51	5" DEEP ALUM. FLAT BLADE	48" (1219)	2.00	2000	3.2	—	-50°F to 250°F (-46°C to 121°C)				
		36" (914)	3.00	2000	1.6	—					
		24" (610)	4.00	2000	2.2	—					
		12" (305)	5.00	2000	3.2	—					
MD35	5" DEEP GALV. STEEL 3-V MANUAL BALANCING	36" (914)	2.00	1500	—	—	-40°F to 240°F (-40°C to 116°C)				
		24" (610)	2.50	1500	—	—					
		12" (305)	3.00	1500	—	—					
MD25	3" DEEP GALV. STEEL	36" (914)	—	1500	—	—	-50°F to 250°F				
MDRS25	ROUND MANUAL BALANCING	20" (508)	—	1500	—	—					
CDO25	2" DEEP OVAL GALV. STEEL	40" (1016)	4.00	2500	9.4 Total	150 Total	-50°F to 250°F (-46°C to 121°C)				
		36" (914)	4.00	2500	8.5 Total	125 Total					
CDR25	2" DEEP ROUND GALV. STEEL	24" (610)	6.00	2500	5.7 Total	85 Total					
		12" (305)	8.00	2500	2.8 Total	50 Total					
		6" (152)	10.00	4000	1.4 Total	30 Total					
CDRS25	6" DEEP ROUND GALV. STEEL	24" (610)	6.00	4000	5.7 Total						
		18" (457)	6.00	4000	4.2 Total						
		12" (305)	8.00	4000	2.8 Total						
		6" (152)	10.00	4000	1.4 Total						
CDRS15	6" DEEP ROUND GALV.	24" (610)	2.00	1000	10		-20°F to 158°F			-	-
	STEEL	4" (102)	4.00	3000			(-29°C to 70°C)		-	-	-
WMRS25	ROUND MANUAL BALANCING	40" (1016)		1500			-25°F to 250°F		-	-	-
		4" (102)					(-32°C to 121°C)		-	-	-

PVC12	PVC FRAME,	16" (406)	4.00	4000	—	—	73°F to 180°F			 	
	BLADE AND AXLE	6" (152)	4.00	4000	—	—	(-32°C to 83°C)				

*Damper section widths vary depending on system pressure and velocity requirements. Multiple section dampers are available in unlimited sizes. Leakage information based on pressure differential of 1" w.g. tested per AMCA 500.

**For optimum sound characteristics and pressure drop performance on dampers with v-groove blades, we recommend sizing dampers for 2000 fpm (10.2 m/s).

Higher velocities are not recommended for outside air openings, due to water penetration concerns. For best pressure drop and sound performance at higher velocities, consider an airfoil blade damper, such as Ruskin model CD60.

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