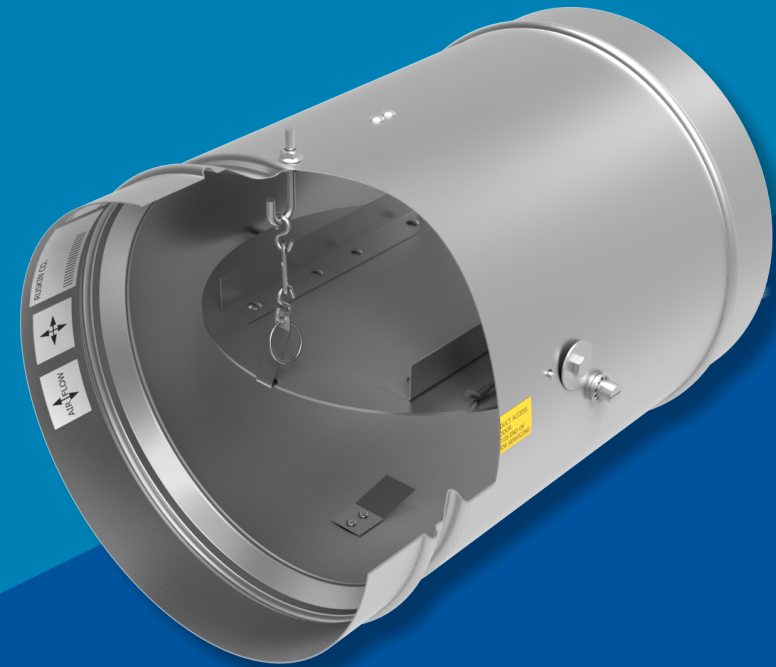


Ruskin[®] Quick Product Selection Tables:

Life Safety

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

- » **Combination Fire/Smoke Dampers 1.5Hr**
- » **Combination Fire/Smoke Dampers 3Hr**
- » **Smoke Dampers**
- » **Corridor Dampers**
- » **1.5hr Dynamic Fire Dampers**
- » **3hr Dynamic Fire Dampers**
- » **1.5hr Static Fire Dampers**
- » **3hr Static Fire Dampers**
- » **Guillotine Fire Dampers**
- » **UL Classified Radiation Dampers for Wood Truss Assemblies**
- » **UL Classified Radiation Dampers for Wood Joist Assemblies**
- » **Warnock Hersey Classified Radiation Dampers for Wood Assemblies**
- » **UL Classified Radiation Dampers for Non-Wood Assemblies**



DISCLAIMER: The Ruskin[®] brand's (hereinafter "Ruskin") content, functionality and product information provided in this data file, including Ruskin design and dimensions (collectively referred to herein as "Ruskin's Information") are offered solely to you as a convenience and are for your information only. Ruskin's Information is not a replacement for a professional engineering evaluation of the situation.

Life Safety > UL555 & UL555S Combination Fire & Smoke Rated Dampers / 1.5 Hour

Canada ULC - S112 Fire Damper and ULC - S112.1 Smoke Damper

Model	Construction	Class	Blade	Walls (Vertical)	Floors (Horizontal)	One-Side Angle Installation	Round Duct	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FSD60	Galv Steel	1	Airfoil	120" x 96"	120" x 96" or 144" x 96"	90" x 48" or 48" x 90"	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct max is 94"	2000 fpm for all size. Selected sizes velocities up to 4,000 fpm	8" w.g					
FSD60LP	Galv Steel	1	Aerodynamic Shaped	36" x 14"	36" x 14"	36" x 14"	Styles A, B, C, CR, LO, CO. Round duct max is 12"	2,000 fpm	4" w.g					
FSDR60 - True Round	Galv Steel	1	Aerodynamic Shaped	6" - 24" diameter	6" - 24" diameter	Plate One Side	True Round	4,000 fpm	4" w.g		-		-	-
FSD60M	Galv Steel	1	Airfoil	120" x 48"	120" x 48"	90" x 48"	Styles A, B, C, CR, CO, WC, WO, WR. Round duct max is 46"	3,000 fpm	4" w.g					
FSDR60M	Galv Steel	1	Aerodynamic Shaped	6" - 24" diameter	6" - 24" diameter	Plate One Side	True Round	4,000 fpm	4" w.g		-		-	-
FSD60V	Galv Steel	2	Vertical Airfoil	48" x 32"	48" x 32"	48" x 32"	Styles A, C, CR, CO, WC, WO, WR. Round duct max is 30"	4,000 fpm	8" w.g					
FSD60V-M	Galv Steel	2	Vertical Airfoil	48" x 32"	48" x 32"	48" x 32"	Styles A, C, CR, CO, WC, WO, WR. Round duct max is 30"	3,000 fpm	4" w.g					
FSD60FA	Galv Steel	1	Airfoil	48" x 48"	NA	Not Required	NA	3,000 fpm	4" w.g					
FSD60FA-M	Galv Steel	1	Airfoil	48" x 48"	NA	Not Required	NA	3,000 fpm	4" w.g					
FSD60GA	Galv Steel	1	Airfoil	36" x 36"	NA	Not Required	NA	4,000 fpm	8" w.g				-	
FSD60-VGA	Galv Steel	2	Airfoil	36" x 32"	NA	Not Required	NA	4,000 fpm	8" w.g				-	
FSD60OW	Galv Steel	1	Airfoil	32" x 36"	36" x 36"	36" x 36"	Styles A, B, WC, WO, WR. Round duct max is 30"	4,000 fpm	8" w.g				-	

Life Safety > UL555 & UL555S Combination Fire & Smoke Rated Dampers / 1.5 Hour

Canada ULC - S112 Fire Damper and ULC - S112.1 Smoke Damper











Model	Construction	Class	Blade	Walls (Vertical)	Floors (Horizontal)	One-Side Angle Installation	Round Duct	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FSD60-VOW	Galv Steel	1	Vertical Airfoil	36" x 32"	36" x 32"	36" x 32"	Styles A, B, WC, WO, WR. Round duct max is 30"	4,000 fpm	8" w.g					
FSD60G	Galv Steel	1	Airfoil	94" x 48" or 48" x 90"	94" x 48" or 48" x 90"	94" x 48" or 48" x 90"	NA	4,000 fpm	8" w.g					
FSD60XP	Galv Steel	1	Airfoil	32" x 48"	32" x 48"	32" x 48"	Styles A, B, C, CR, CO, WC, WO, WR. Round duct max is 46"	2,000 fpm	4" w.g					
FSD36	Galv Steel	2	Triple V-Groove	126" x 96" or 72" x 122"	144" x 96"	94" x 48" or 48" x 90"	Styles A, B, C, CR, LO, CO, WC, WO, WR. Round duct max is 94"	2,000 fpm	4" w.g					
FSD36LP	Galv Steel	2	Aerodynamic Shaped	36" x 14"	36" x 14"	36" x 14"	Styles A, B, C, CR, LO, CO, WC, G, WO, WR. Round duct max is 12"	2,000 fpm	4" w.g					
FSD36FA	Galv Steel	2	Triple V-Groove	36" x 36"	NA	Not Required	NA	2,000 fpm	4" w.g					
FSD36GA	Galv Steel	2	Triple V-Groove	36" x 36"	NA	Not Required	NA	2,000 fpm	4" w.g				-	
FSD36QW	Galv Steel	2	Triple V-Groove	36" x 36"	36" x 36"	36" x 36"	Styles A, B, WC, WO, WR. Round duct max is 34"	2,000 fpm	4" w.g				-	
FSD36G	Galv Steel	2	Triple V-Groove	90" x 48" or 48" x 90"	90" x 48" or 48" x 90"	90" x 48" or 48" x 90"	NA	2,000 fpm	4" w.g					
FSD36SS	Stainless Steel	2	Triple V-Groove	90" x 48"	90" x 48"	NA	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct max is 46"	2,000 fpm	4" w.g					
FSD37	Galv Steel	1	Triple V-Groove	120" x 96"	144" x 96"	90" x 48" or 48" x 90"	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct max is 94"	2,000 fpm	4" w.g					
FSD37LP	Galv Steel	1	Aerodynamic Shaped	36" x 14"	36" x 14"	36" x 14"	Styles A, B, C, CR, LO, CO, WC, G, WO, WR. Round duct max is 12"	2,000 fpm	4" w.g					

Life Safety > UL555 & UL555S Combination Fire & Smoke Rated Dampers / 1.5 Hour

Canada ULC - S112 Fire Damper and ULC - S112.1 Smoke Damper

Model	Construction	Class	Blade	Walls (Vertical)	Floors (Horizontal)	One-Side Angle Installation	Round Duct	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FSD37SS	Stainless Steel	1	Triple V-Groove	90" x 32"	90" x 32"	NA	Styles A, B, C, CR, CO, WC, WO, WR. Round duct max is 30"	2,000 fpm	4" w.g					
FSDR25SS-True Round	Stainless Steel	1	Aerodynamic Shaped	6" - 24" diameter	6" - 24" diameter	Plate One Side	True Round	4,000 fpm	4" w.g		-		-	-
FSDR25SS-M	Stainless Steel	1	Aerodynamic Shaped	6" - 24" diameter	6" - 24" diameter	Plate One Side	True Round	4,000 fpm	4" w.g		-		-	-
FSD60-2	Galv Steel	2	Airfoil	120"x 96"	144" x 96"	90" x 48" or 48" x 90"	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct max is 94"	2,000 fpm	4" w.g					
FSD60LP-2	Galv Steel	2	Aerodynamic Blade	36" x 14"	36" x 14"	36" x 14"	Styles A, B, C, CR, LO, CO, WC, G, WO, WR. Round duct max is 12"	2,000 fpm	4" w.g				-	
FSD60-2GA	Galv Steel	2	Airfoil	36" x 36"	NA	Not Required	NA	2,000 fpm	4" w.g				-	
FSD60-2OW	Galv Steel	2	Airfoil	32" x 36"	32" x 36"	32" x 36"	Style A, B, WC, WO, WR. Round duct max is 30"	2,000 fpm	4" w.g				-	
FSD35	Galv Steel	3	Triple V-Groove	126" x 96"	144" x 96"	90" x 48" or 48" x 90"	Styles A, B, C, CR, LO, CO, WC, WO, WR. Round duct max is 94"	2,000 fpm	4" w.g					
FSD35SS	Stainless Steel	3	Triple V-Groove	90" x 48"	90" x 48"	NA	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct max is 46"	2,000 fpm	4" w.g					
FSD35GA	Galv Steel	3	Triple V-Groove	36" x 36"	36" x 36"	Not Required	NA	2,000 fpm	4" w.g				-	
FSD35OW	Galv Steel	3	Triple V-Groove	36" x 36"	36" x 36"	36" x 36"	Style A, B, WC, WO, WR. Round duct max is 34"	2,000 fpm	4" w.g				-	
FSD35G	Galv Steel	3	Triple V-Groove	90" x 48" or 48" x 90"	90" x 48" or 48" x 90"	90" x 48" or 48" x 90"	NA	2,000 fpm	4" w.g					

Life Safety > UL555 & UL555S Combination Fire & Smoke Rated Dampers / 3 Hour

Model	Construction	Class	Blade	Walls	Floors	One-Side Angle Installation	Round Duct	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FSD60-3	Galv Steel	1	Airfoil	120" x 96"	144" x 96"	2 - Side Angle Required	Styles A, B, C, CR, LO, CO, WC, WO, WR. Round duct max is 12"	4,000 fpm	8" w.g					
FSD60-3M	Galv Steel	3	Airfoil	120" x 48"	120" x 48"	2 - Side Angle Required	Styles A, B, C, CR, CO, WC, WO, WR. Round duct max is 46"	3,000 fpm	4" w.g					

Life Safety > UL555S, Smoke Dampers

Canada ULC - S112.1 Smoke Damper

Model	Construction	Class	Blade	Minimum Size (Horizontal and Vertical)	Maximum Size	Round	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
SD60	Galv Steel	1	Airfoil	8"w x 6"h (203 x 152)	Multiple sections: 144"w x 96"h, 288"w x 48"h or 72"w x 192"h	Transition – min. 4" dia. max. 94"	4,000 fpm	8" w.g					
SD60M	Galv Steel	1	Airfoil	8"w x 6"h (203 x 152)	Multiple sections: 144"w x 96"h, 288"w x 48"h or 72"w x 192"h	Transition – min. 4" dia. max. 70"	3,000 fpm	4" w.g					
SD60V	Galv Steel	2	Airfoil	6"w x 8"h (152 x 203)	Single Section: 48"w x 36"h	Transition – min. 4" dia. max. 34"	4,000 fpm	8" w.g					
SD60V-M	Galv Steel	2	Airfoil	6"w x 8"h (152 x 203)	Single Section: 48"w x 36"h	Transition – min. 4" dia. max. 34"	3,000 fpm	4" w.g		-		-	-
SDRS25	Galv Steel	1	Aerodynamic Shaped	5" (127) diameter	24" (610) diameter	True Round	4,000 fpm	4" w.g					
SDRS25SS	Stainless Steel	1	Aerodynamic Shaped	5" (127) diameter	24" (610) diameter	True Round	4,000 fpm	4" w.g					
SD50	Aluminum	1	Aluminum Airfoil	6" x 6" (152 x 152)	Multiple sections: 144"w x 96"h, 288"w x 48"h or 72"w x 192"h	Transition – min. 4" dia. max. 94"	4,000 fpm	8" w.g					
SD50M	Aluminum	1	Aluminum Airfoil	6" x 6" (152 x 152)	Multiple sections: 144"w x 96"h, 288"w x 48"h or 72"w x 192"h	Transition – min. 4" dia. max. 94"	3,000 fpm	4" w.g		-		-	-
SD50V	Aluminum	2	Aluminum Airfoil	6" x 6" (152 x 152)	Multiple sections: 96"w x 144"h, 48"w x 288"h or 192"w x 72"h	Transition – min. 4" dia. max. 94"	4,000 fpm	8" w.g		-		-	-
SD50V-M	Aluminum	2	Aluminum Airfoil	6" x 6" (152 x 152)	Multiple sections: 96"w x 144"h, 48"w x 288"h or 192"w x 72"h	Transition – min. 4" dia. max. 94"	3,000 fpm	4" w.g		-		-	-
SD36	Galv Steel	2	Triple V-Groove	8"w x 6"h (203 x 152)	Multiple sections: 144"w x 96"h, 288"w x 48"h or 72"w x 192"h	Transition – min. 4" dia. max. 94"	2,000 fpm	4" w.g					

Life Safety > UL555S, Smoke Dampers

Canada ULC - S112.1 Smoke Damper

Model	Construction	Class	Blade	Minimum Size (Horizontal and Vertical)	Maximum Size	Round	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
SD36SS	Stainless Steel	2	Triple V-Groove	8" w x 6" h (203 x 152)	Multiple sections: 144" w x 96" h, 288" w x 48" h or 72" w x 192" h	Transition – min. 4" dia. max. 94"	2,000 fpm	4" w.g					
SD37	Galv Steel	1	Airfoil or 3V	8" w x 6" h (203 x 152)	Multiple sections: 144" w x 96" h, 288" w x 48" h or 72" w x 192" h	Transition – min. 4" dia. max. 94"	2,000 fpm	4" w.g					
SD37SS	Stainless Steel	1	Triple V-Groove	12" x 6" (305 x 152)	Multiple sections: 96" w x 64" h, 192" w x 32" h or 48" w x 128" h	Transition – min. 10" dia. max. 62"	2,000 fpm	4" w.g					
SD60-2	Galv Steel	2	Airfoil	8" w x 6" h (203 x 152)	Multiple sections: 144" w x 96" h, 288" w x 48" h or 72" w x 192" h	Transition – min. 4" dia. max. 94"	4,000 fpm	8" w.g					
SD35	Galv Steel	3	Triple V-Groove	6" w x 6" h (152 x 152)	Multiple sections: 144" w x 96" h, 288" w x 48" h or 72" w x 192" h	Transition – min. 4" dia. max. 94"	2,000 fpm	4" w.g					
SD35SS	Stainless Steel	3	Triple V-Groove	8" w x 6" h (203 x 152)	Multiple sections: 144" w x 96" h, 288" w x 48" h or 72" w x 192" h	Transition – min. 4" dia. max. 94"	2,000 fpm	4" w.g					
SD102	12 Gauge Galv. Steel	2	Aluminum Airfoil	Single blade: 12" w x 6" h Multiple blade: 12" w x 14" h	Single Section: 36" w x 48" h	NA	2,000 fpm tested at 5,000 fpm	6" w.g tested at 24" w.g					

Life Safety > UL555 / UL555C, Corridor Dampers

Model	Construction	Class	Blade	Minimum Size (Horizontal)	Maximum Size	Round	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DFSDR1	Galv Steel	1	Aerodynamic Shaped	6" Dia.	12" Dia.	True Round	2,000 fpm	4" w.g				-	
FSD36C	Galv Steel	2	Triple V-Groove	8"w x 6"h	24" x 24"	Styles A, R duct max is 20"	2,000 fpm	4" w.g					
FSD60C	Galv Steel	1	Airfoil	8"w x 6"h	24" x 24"	Styles A, R, duct max is 20"	2,000 fpm	4" w.g					
FSDR25C	Galv Steel	1	Aerodynamic Shaped	6" Dia.	24" Dia.	True Round	3,000 fpm	4" w.g				-	

Life Safety > UL555 1.5hr Dynamic, Multi-Blade Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FDR25	Galv Steel	Aerodynamic Shaped	Min. – 6" dia Max. – 24" dia	Min. – 6" dia Max. – 24" dia	True Round	2,000 fpm	4" w.g				-	
FDR25SS	Stainless Steel	Aerodynamic Shaped	Min. – 6" dia Max. – 24" dia	Min. – 6" dia Max. – 24" dia	True Round	2,000 fpm	4" w.g		-		-	
DFD-LP	Galv Steel	Aerodynamic Shaped	Min. – 6" x 6" Max. – 24" w x 14" h (610 x 356)	Min. – 6" x 6" Max. – 24" w x 14" h (610 x 356)	- See FDR25 Model.	4,000 fpm	4" w.g				-	
DFD35	Galv Steel	Triple V-Groove	Min. – 8" x 6" Max. Single Section: 36" w x 48" h (914 x 1219) Multiple Section: 120" w x 48" h or 72" w x 96" h	Min. – 8" x 6" Max. Single Section: 36" w x 48" h (914 x 1219) Multiple Section: 120" w x 48" h or 72" w x 96" h	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct Min is 6" max is 94"	2,000 fpm	4" w.g					-
DFD35GA	Galv Steel	Triple V-Groove	Min. – 8" x 6" Max. Single Section: 36" w x 36" h (914 x 914)	NA	NA	2,000 fpm	4" w.g		-		-	
DFD35SSGA	Stainless Steel	Triple V-Groove	Min. – 8" x 6" Max. Single Section: 30" w x 36" h (762 x 914) Multiple Section - 36" w x 36" h	NA	NA	2,000 fpm	4" w.g		-		-	
DFD35OW	Galv Steel	Triple V-Groove	Min. – 8" x 6" Max. Single Section: 36" w x 36" h (914 x 914)	Min. – 8" x 6" Max. Single Section: 36" w x 36" h (914 x 914)	Styles A, BC, WC WO, WR. Round duct Min is 6" max is 34"	2,000 fpm	4" w.g					-
DFD35SS	Stainless Steel	Triple V-Groove	Min. – 8" x 6" Max. Single Section: 30" w x 48" h (914 x 1219) Multiple Section: 90" w x 48" h	Min. – 8" x 6" Max. Single Section: 30" w x 48" h (914 x 1219) Multiple Section: 90" w x 48" h	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct Min. is 6" max is 46"	2,000 fpm	4" w.g					-
DFD35SSOW	Stainless Steel	Triple V-Groove	Min. – 8" x 6" Max. Single Section: 36" w x 36" h (914 x 914)	Min. – 8" x 6" Max. Single Section: 36" w x 36" h (914 x 914)	Styles A, BC, WC, WO, WR Round duct Min. is 6" max is 34"	2,000 fpm	4" w.g					-
DFD60	Galv Steel	Airfoil	Min. – 8" x 6" Max. Single Section: 32" w x 48" h (813 x 1219) Multiple Sections vary based on velocity and pressure	Min. – 8" x 6" Max. Single Section: 30" w x 48" h (813 x 1219) Multiple Sections vary based on velocity and pressure	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct Min. is 6" max is 62"	2000 fpm for all size. Selected sizes velocities up to 4,000 fpm	8" w.g					-

Life Safety > UL555 1.5hr Dynamic, Multi-Blade Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Round Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DFD60GA	Galv Steel	Airfoil	Min. - 8" x 6" Max. Single Section: 32"w x 36"h Multiple sections: 36" x 36"	-	-	4,000 fpm	8" w.g		-		-	
DFD60QW	Galv Steel	Airfoil	Min. - 8" x 6" Max. Single Section: 32"w x 36"h Multiple sections: 36" x 36"	Min. - 8" x 6" Max. Single Section: 30"w x 36"h Multiple sections: 36" x 36"	Styles A, BC, WC, WO, WR Round duct Min. is 6" max is 34"	4000 fpm	8" w.g					-

Life Safety > UL555 1.5hr Dynamic, Curtain Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DIBD2 A Style	Galv Steel	Curtain Galv steel	Min. - 4"w x 4"h Max. Single Section: 33"w x 36"h Multiple sections: 72"w x 48"h or 48"w x 72"h or 120"w x 24"h	Min. - 6"w x 6"h Max. Single Section: 24"w x 24"h Multiple sections: 36"w x 48"h or 48"w x 36"h	Square or Rectangular Blades in the Air Stream	4,000 fpm	4" w.g				 	
DIBD2 B, BC and WB Style	Galv Steel	Curtain Galv steel	Min. - 4"w x 4"h Max. Single Section: 33"w x 32"h Multiple sections: 72"w x 45"h or 48"w x 69"h or 120"w x 21"h	Min. - 6"w x 4"h Max. Single Section: 24"w x 21"h Multiple sections: 36"w x 42"h or 48"w x 30"h	"B" Hood Blades Out of the Air Stream	4,000 fpm	4" w.g				 	
DIBD2 C, WC, CO and WO Style	Galv Steel	Curtain Galv steel	Min. - 4"w x 3"h Max. Single Section: 31"w x 31"h Multiple sections: 70"w x 44"h or 46"w x 68"h or 118"w x 20"h	Min. - 4"w x 3"h Max. Single Section: 22"w x 20"h Multiple sections: 34"w x 42"h or 46"w x 32"h	Square or Oval Blades and Frame Out of the Air Stream	4,000 fpm	4" w.g				 	
DIBD2 CR and WR Style	Galv Steel	Curtain Galv steel	Min. - 3" dia. Max. Single Section: 31" dia. Multiple sections: 46" dia.	Min. - 3" dia. Max. Single Section: 20" dia. Multiple Sections: 34" dia.	Round. Blades and Frame Out of the Air Stream	4,000 fpm	4" w.g				 	

Life Safety > UL555 1.5hr Dynamic, Curtain Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DIBD2 R Style	Galv Steel	Curtain Galv steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 21” dia.	Round Blades In the Air Stream	2,000 fpm	4" w.g					
DIBD2 LR Style	Galv Steel	Curtain Galv steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 20” dia.	Round Blades Out of the Air Stream	2,000 fpm	4" w.g					
DIBD2 LO Style	Galv Steel	Curtain Galv steel	Min. – 4”w x 3”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 3”h Max. Single Section: 21”w x 21”h	Oval Blades Out of the Air Stream	2,000 fpm	4" w.g					
DIBD20G	Galv Steel	Curtain Galv	Min. – 4”w x 4”h Max. – 33”w x 36h	Min. – 6”w x 6”h Max. – 24”w x 24”h	NA	2,000 fpm	4" w.g		-		-	
DIBD2G	Galv Steel	Curtain Galv steel	Min. – 4”w x 4”h Max. – 72”w x 48”h or 48”w x 72”h or 90”w x 24”	Min. – 6”w x 6”h Max. – 36”w x 48h or 48”w x 36”h	NA	4,000 fpm	4" w.g		-		-	-
DIBD2GA	Galv Steel	Curtain Galv A Style ONLY!	Min. – 4”w x 4”h Max. – 36”w x 36”h (914 x 914)	NA	NA	3,000 fpm	4" w.g				-	
DIBD20, DIBD40 and DIBD60 A Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 36”h Multiple sections: 54”w x 48”h or 48”w x 54”h or 54”w x 24”h	Min. – 6”w x 6”h Max. Single Section: 24”w x 24”h Multiple sections: 36”w x 48”h or 48”w x 36”h	Square or Rectangular Blades in the Air Stream	4,000 fpm	4" w.g					
DIBD20, DIBD40 and DIBD60 B Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 32”h Multiple sections: 54”w x 45”h or 48”w x 51”h or 54”w x 21”h	Min. – 6”w x 4”h Max. Single Section: 24”w x 21”h Multiple sections: 36”w x 42”h or 48”w x 30”h	”B” Hood. Blades Out of the Air Stream	4,000 fpm	4" w.g					
DIBD20, DIBD40 and DIBD60 C and CO Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 3”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 3”h Max. Single Section: 22”w x 20”h	Square or Oval Blades and Frame Out of the Air Stream	4,000 fpm	4" w.g					

Life Safety > UL555 1.5hr Dynamic, Curtain Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DIBD20, DIBD40 and DIBD60 LR and CR Style	Galv Steel DIBD20 12" Slv. DIBD40 14" Slv. DIBD60 16" Slv.	Curtain Galv steel	Min. – 3" dia. Max. Single Section: 31" dia.	Min. – 4" dia. Max. Single Section: 20" dia.	Round Blades and Frame Out of the Air Stream	2,000 fpm	4" w.g					
DIBD20, DIBD40 and DIBD60 LO Style	Galv Steel DIBD20 12" Slv. DIBD40 14" Slv. DIBD60 16" Slv.	Curtain Galv steel	Min. – 4"w x 3"h Max. Single Section: 31"w x 31"h	Min. – 4"w x 3"h Max. Single Section: 22"w x 20"h	Oval Blades Out of the Air Stream	2,000 fpm	4" w.g					
DIBD20, DIBD40 and DIBD60 R Style	Galv Steel DIBD20 12" Slv. DIBD40 14" Slv. DIBD60 16" Slv.	Curtain Galv steel	Min. – 3" dia. Max. Single Section: 31" dia.	Min. – 4" dia. Max. Single Section: 22" dia.	Round Blades In the Air Stream	2,000 fpm	4" w.g					
DIBD20W	Galv Steel	Curtain Galv steel	Min. – 4"w x 4"h Max. – 36"w x 36"h (914 x 914)	Min. – 6"w x 6"h Max. – 36"w x 36"h (914 x 914)	Styles A, BC, WC, WO and WR. Round duct (WR) Min. is 4" max is 34	3,000 fpm	4" w.g				-	
DIBD2SS A Style	Stainless Steel	Curtain Stainless Steel	Min. – 6"w x 6"h Max. Single Section: 24"w x 24"h Multiple sections: 72"w x 48"h or 48"w x 72"h or 90"w x 24"h	Min. – 6"w x 6"h Max Single Sect. – 24"w x 24"h	Square or Rectangular	3,000 fpm	4" w.g					
DIBD2SS B, BC and WB Style	Stainless Steel	Curtain Stainless Steel	Min. – 6"w x 4"h Max. Single Section: 24"w x 21"h Multiple sections: 72"w x 45"h or 48"w x 69"h or 90"w x 21"h	Min. – 6"w x 4"h Max. Single Section: 24"w x 21"h	"B" Hood Blades Out of the Air Stream	3,000 fpm	4" w.g					
DIBD2SS C and WC Style	Stainless Steel	Curtain Stainless Steel	Min. – 4"w x 3"h Max. Single Section: 22"w x 20"h Multiple sections: 70"w x 44"h or 46"w x 68"h or 88"w x 20"h	Min. – 4"w x 3"h Max. Single Section: 22"w x 20"h	Square Blades and Frame Out of the Air Stream	3,000 fpm	4" w.g					
DIBD2SS CO and WO Style	Stainless Steel	Curtain Stainless Steel	Min. – 4"w x 3"h Max. Single Section: 22"w x 20"h Multiple sections: 70"w x 44"h or 44"w x 70"h or 90"w x 20"h	Min. – 4"w x 3"h Max. Single Section: 22"w x 20"h	Oval Blades and Frame Out of the Air Stream	3,000 fpm	4" w.g					

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Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DIBD2SS CR and WR Style	Stainless Steel	Curtain Stainless Steel	Min. - 4" dia. Max. Single Section: 20" dia. Multiple sect. - 46" dia.	Min. - 4" dia. Max. Single Section: 20" dia.	Round Blades and Frame Out of the Air Stream	3,000 fpm	4" w.g					
DIBD2SS R Style	Stainless Steel	Curtain Stainless Steel	Min. - 4" dia. Max. Single Section: 22" dia.	"Min. - 4" dia. Max. Single Section: 22" dia."	Round Blades In the Air Stream	3,000 fpm	4" w.g					
DIBD2SS LR Style	Stainless Steel	Curtain Stainless Steel	Min. - 4" dia. Max. Single Section: 20" dia.	Min. - 4" dia. Max. Single Section: 20" dia.	Round Blades Out of the Air Stream	3,000 fpm	4" w.g					
DIBD2SS LO Style	Stainless Steel	Curtain Galv steel or stainless steel	Min. - 4"w x 3"h Max. Single Section: 22"w x 20"h	"Min. - 4"w x 3"h Max. Single Section: 22"w x 20"h	Oval Blades and Frame Out of the Air Stream	3,000 fpm	4" w.g					
DIBD2SSG	Stainless Steel	Curtain Stainless Steel	Min. - 4"w x 4"h Max. - 72"w x 48"h or 48"w x 72"h or 90"w x 24"	Min. - 6"w x 6"h Max. - 24"w x 24h	NA	3,000 fpm	4" w.g		-		-	-

Life Safety > UL555 3hr Dynamic, Multi-Blade Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Round Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DFD60-3	Galv Steel	Airfoil	Min. - 8" x 6" Max. Single Section: - 30" w x 48" h (813 x 1219) Multiple Sections vary based on	Min. - 8" x 6" Max. Single Section: 30" w x 48" h (813 x 1219) Multiple Sections vary based on velocity and pressure	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct Min. is 6" max is 58"	4,000 fpm	8" w.g					-

Life Safety > UL555 3hr Dynamic, Curtain Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DIBD23 Style A	Galv Steel	Curtain Galv steel	Min. - 4" x 4" Max. Single Section: - 33" w x 36" h Multiple sections: 72" w x 48" h or 48" w x 72" h or 90" x 24"	Min. - 6" w x 6" h Max. Single Section: 24" w x 24" h Multiple sections: 36" w x 48" h or 48" w x 36" h	Square or Rectangular	4000 fpm 3000 fpm 2000 fpm with restrictions.	4" w.g					
DIBD23 B, BC and WB Style	Galv Steel	Curtain Galv steel	Min. - 4" w x 4" h Max. Single Section: 33" w x 32" h Multiple sections: 72" w x 45" h or 48" w x 69" h or 120" w x 21" h	Min. - 6" w x 4" h Max. Single Section: 24" w x 21" h Multiple sections: 36" w x 42" h or 48" w x 30" h	"B" Hood Blades Out of the Air Stream	2,000 fpm	4" w.g					
DIBD23 C, WC, CO and WO Style	Galv Steel	Curtain Galv steel	Min. - 4" w x 3" h Max. Single Section: 31" w x 31" h Multiple sections: 70" w x 44" h or 46" w x 68" h or 88" w x 20" h	Min. - 4" w x 3" h Max. Single Section: 22" w x 20" h Multiple sections: 34" w x 42" h or 46" w x 32" h	Square or Oval Blades and Frame Out of the Air Stream	2,000 fpm	4" w.g					
DIBD23 CR and WR Style	Galv Steel	Curtain Galv steel	Min. - 3" dia. Max. Single Section: 31" dia. Multiple sections: 46" dia.	Min. - 4" dia. Max. Single Section: 20" dia. Multiple Sections: 34" dia.	Round Blades and Frame Out of the Air Stream	2,000 fpm	4" w.g					
DIBD23 R Style	Galv Steel	Curtain Galv steel	Min. - 3" dia. Max. Single Section: 31" x 31"	Min. - 4" dia. Max. Single Section: 21" x 21" dia.	Round Blades In the Air Stream	2,000 fpm	4" w.g					

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Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Round	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
DIBD23 LR Style	Galv Steel	Curtain Galv steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 20” dia.	Round Blades Out of the Air Stream	2,000 fpm	4” w.g					
DIBD23 LO Style	Galv Steel	Curtain Galv steel	Min. – 4”w x 3”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 3”h Max. Single Section: 21”w x 21”h	Oval Blades Out of the Air Stream	2,000 fpm	4” w.g					
DIBD230, DIBD430 and DIBD630 A Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 36”h Multiple sections: 54”w x 48”h or 48”w x 54”h or 54”w x 24”h	Min. – 6”w x 6”h Max. Single Section: 24”w x 24”h Multiple sections: 36”w x 48”h or 48”w x 36”h	Square or Rectangular	4000 fpm 3000 fpm 2000 fpm with restrictions.	4” w.g					
DIBD230, DIBD430 and DIBD630 B Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 32”h Multiple sections: 54”w x 45”h or 48”w x 51”h or 54”w x 21”h	Min. – 6”w x 4”h Max. Single Section: 24”w x 21”h Multiple sections: 36”w x 42”h or 48”w x 30”h	“B” Hood Blades Out of the Air Stream	2,000 fpm	4” w.g					
DIBD230, DIBD430 and DIBD630 C and CO Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 3”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 3”h Max. Single Section: 22”w x 20”h	Square or Oval Blades and Frame Out of the Air Stream	2,000 fpm	4” w.g					
DIBD230, DIBD430 and DIBD630 LR and CR Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 20” dia.	Round Blades and Frame Out of the Air Stream	2,000 fpm	4” w.g					
DIBD230, DIBD430 and DIBD630 LO Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 3”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 3”h Max. Single Section: 22”w x 20”h	Oval Blades Out of the Air Stream	2,000 fpm	4” w.g					
DIBD230, DIBD430 and DIBD630 R Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 22” dia.	Round Blades In the Air Stream	2,000 fpm	4” w.g					

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Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Round Transitions	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FD35	Galv Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 36"w x 48"h (914 x 1219) Multiple Section: 120"w x 96"h	Min. - 8" x 6" Max. Single Section: 36"w x 48"h (914 x 1219) Multiple Section: 120"w x 96"h	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct Min is 6" max is 94"					-
FD35G	Galv Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 36"w x 36"h (914 x 914)	Min. - 8" x 6" Max. Single Section: 36"w x 36"h (914 x 914)	NA		-			
FD35GA	Galv Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 36"w x 36"h (914 x 914)	Min. - 8" x 6" Max. Single Section: 36"w x 36"h (914 x 914)	NA		-		-	
FD35SSGA	Stainless Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 30"w x 36"h (762 x 914) Multiple Section - 36"w x 36"h	Min. - 8" x 6" Max. Single Section: 30"w x 36"h (762 x 914) Multiple Section - 36"w x 36"h	NA		-		-	
FD35OW	Galv Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 32"w x 36"h Multiple Section: 36" x 36"	36"w x 36"h (914 x 914)	Styles A, B, WC, WO, WR. Round duct Min is 6" max is 34"					-
FD35SS	Stainless Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 30"w x 48"h (914 x 1219) Multiple Section: 90"w x 48"h	Min. - 8" x 6" Max. Single Section: 30"w x 48"h (914 x 1219) Multiple Section: 90"w x 48"h	Styles A, B, C, R, CR, LO, CO, WC, WO, WR. Round duct Min. 6" Max is 46"					
FD35SSOW	Stainless Steel	Triple V-Groove	Min. - 8" x 6" Max. Single Section: 36"w x 36"h (762 x 914)	36"w x 36"h (914 x 914)	Styles A, BC, WC, WO and WR. Round duct (WR) Min. is 6" max is 34"					
FD60	Galv Steel	Airfoil Galv Steel	Min. - 8" x 6" Max. Single Section: 32"w x 48"h Multiple Section: 120"w x 96"h	Min. - 8" x 6" Max. Single Section: 30"w x 48"h Multiple Section: 120"w x 96"h	Styles A, B, C, WC, WO, WR, LO, CO, R Round duct Min. 6". Max is 34"					
FD60G	Galv Steel	Airfoil Galv Steel	Min. - 8" x 6" Max. Single Section: 32"w x 48"h	-	-		-			
FD60GA	Galv Steel	Airfoil	Min. - 8" x 6" Max. Single Section: 32"w x 36"h Multiple sections: 36" x 36"	-	-		-		-	

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Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Round Transitions	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FD600W	Galv Steel	Airfoil	Min. – 8" x 6" Max. Single Section: 32"w x 36"h Multiple sections: 36" x 36"	Min. – 8" x 6" Max. Single Section: 30"w x 36"h Multiple sections: 36" x 36"	Styles A, BC, WC, WO, WR Round duct Min. is 6" max is 34"					

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Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
IBD2 A Style	Galv Steel	Curtain Galv steel	Min. – 4"w x 4"h Max. Single Section: 33"w x 72"h or 48"w x 30"h or 36"w x 36"h Multiple sections: 120"w x 72"h	Min. – 6"w x 6"h Max. Single Section: 30"w x 45 1/2"h or 33"w x 38"h Multiple sections: 90"w x 91"h or 114"w x 38"h	Square or Rectangular					-
IBD2 B, BC and WB Style	Galv Steel	Curtain Galv steel	Min. – 4"w x 4"h Max. Single Section: 33"w x 65"h or 48"w x 26"h or 36"w x 32"h Multiple sections: 120"w x 65"h	Min. – 6"w x 4"h Max. Single Section: 30"w x 40"h or 33"w x 34"h Multiple sections: 90"w x 81"h or 114"w x 34"h	"B" Hood Blades Out of the Air Stream					-
IBD2 C, WC, CO and WO Style	Galv Steel	Curtain Galv steel	Min. – 4"w x 4"h Max. Single Section: 31"w x 64"h or 46"w x 25"h or 34"w x 31"h Multiple sections: 118"w x 64"h	Min. – 4"w x 4"h Max. Single Section: 28"w x 39"h or 31"w x 33"h Multiple sections: 88"w x 81"h or 112"w x 33"h	Square or Oval Blades and Frame Out of the Air Stream					-
IBD2 CR and WR Style	Galv Steel	Curtain Galv steel	Min. – 3" dia. Max. Single Section: 31" dia. Multiple sections: 64" dia."	Min. – 4" dia. Max. Single Section: 31" dia. Multiple Sections: 81" dia."	Round Blades and Frame Out of the Air Stream					-
IBD2 R and LR Style	Galv Steel	Curtain Galv steel	Min. – 3" dia. Max. Single Section: 31" dia.	Min. – 4" dia. Max. Single Section: 31" dia.	Round Blades In the Air Stream					-

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Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
IBD2 LO Style	Galv Steel	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 31”w x 64”h or 46”w x 25”h or 34”w x 31”h	Min. – 4”w x 4”h Max. Single Section: 28”w x 39”h or 31”w x 33”h	Oval Blades Out of the Air Stream					-
IBD20, IBD40 and IBD60 A Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 54”h or 48”w x 30”h or 36”w x 36”h Multiple sections: 54”w x 54”h	Min. – 6”w x 6”h Max. Single Section: 30”w x 45 1/2”h or 33”w x 38”h Multiple sections: 54”w x 54”h	Square or Rectangular					
IBD20, IBD40 and IBD60 B Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 48”h or 48”w x 26”h or 36”w x 32”h Multiple sections: 54”w x 48”h	Min. – 6”w x 4”h Max. Single Section: 30”w x 40”h or 33”w x 34”h Multiple sections: 54”w x 46”h	”B” Hood Blades Out of the Air Stream					
IBD20, IBD40 and IBD60 C, LO and CO Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 4”w x 4”h Max. Single Section: 31”w x 47”h or 46”w x 25”h or 34”w x 31”h	Min. – 4”w x 4”h Max. Single Section: 28”w x 39”h or 31”w x 33”h	Square or Oval Blades and Frame Out of the Air Stream					
IBD20, IBD40 and IBD60 R, LR and CR Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv steel	Min. – 3” dia. Max. Single Sect. – 31” dia.	Min. – 4” dia Max. Single Section – 31” dia.	Round Blades and Frame Out of the Air Stream					
IBD20G	”Galv Steel or Stainless Steel”	Curtain Galv	Min. – 4”w x 4”h Max. – 48”w x 30”h or 33”w x 54”h or 36”w x 36”	Min. – 6”w x 6”h Max – 30”w x 45 1/2”h or 33”w x 38”h	NA		-		-	-
IBD2G	Galv Steel	Curtain Galv steel	Min. – 4”w x 4”h Max. – 90”w x 48”h or 48”w x 72”h	Min. – 6”w x 6”h Max. – 90”w x 48”h or 48”w x 90”h	NA		-		-	-
IBD2GA A Style ONLY	Galv Steel	Curtain Galv Steel	Min. – 4”w x 4”h Max. – 36”w x 36”h (914 x 914)	NA	NA		-		-	
IBD2OW	Galv Steel	Curtain Galv Steel	Min. – 4”w x 4”h Max. – 36”w x 36”h (914 x 914)	Min. – 6”w x 6”h Max. – 36”w x 36”h (914 x 914)	NA		-		-	

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Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
IBD2SS A Style	Stainless Steel	Curtain Stainless Steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 72”h or 48”w x 30”h or 36”w x 36”h Multiple sections: 99”w x 72”h	Min. – 6”w x 6”h Max. Single Section: 30”w x 45 1/2”h or 33”w x 38”h Multiple sections: 90”w x 91”h or 114”w x 38”h	Square or Rectangular					
IBD2SS B, BC and WB Style	Stainless Steel	Curtain Stainless Steel	Min. – 4”w x 4”h Max. Single Section: 33”w x 65”h or 48”w x 26”h or 36”w x 32”h Multiple sections: 99”w x 65”h	Min. – 6”w x 4”h Max. Single Section: 30”w x 40”h or 33”w x 34”h Multiple sections: 90”w x 81”h or 114”w x 34”h	”B” Hood Blades Out of the Air Stream					
IBD2SS C, WC, CO and WO Style	Stainless Steel	Curtain Stainless Steel	Min. – 4”w x 4”h Max. Single Section: 31”w x 64”h or 46”w x 25”h or 34”w x 31”h Multiple sections: 97”w x 64”h	Min. – 4”w x 4”h Max. Single Section: 28”w x 39”h or 31”w x 33”h Multiple sections: 88”w x 81”h or 112”w x 33”h	Square Blades and Frame Out of the Air Stream					
IBD2SS CR and WR Style	Stainless Steel	Curtain Stainless Steel	Min. – 3” dia. Max. Single Section: 31” dia. Multiple sections: 64” dia.	Min. – 4” dia. Max. Single Section: 31” dia. Multiple Sections: 81” dia.	Round Blades and Frame Out of the Air Stream					
IBD2SS R and LR Style	Stainless Steel	Curtain Stainless Steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 31” dia.	Round Blades Out of the Air Stream					
IBD2SS LO Style	Stainless Steel	Curtain Stainless Steel	Min. – 4”w x 4”h Max. Single Section: 31”w x 64”h or 46”w x 25”h or 34”w x 31”h	Min. – 4”w x 4”h Max. Single Section: 28”w x 39”h or 31”w x 33”h	Oval Blades and Frame Out of the Air Stream					
IBD2SSG	Stainless Steel	Curtain Stainless Steel	Min. – 4”w x 4”h Max. – 90”w x 48”h or 48”w x 72”h	Min. – 6”w x 6”h Max. – 90”w x 48”h or 48”w x 90”h	NA		-		-	-
IBDT, T1, T2	Galv Steel	Thinline Curtain Galv Steel	Min. – 4”w x 4”h Max. – 40”w x 48”h	Min. – 6”w x 6”h Max. – 36”w x 36”h	-					
IBDTG	Galv Steel	Curtain Galv Steel	Min. – 4”w x 4”h Max. – 40”w x 48”h	Min. – 4”w x 4”h Max. – 60”w x 12”h	-		-		-	-

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Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Round Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
FD60-3	Galv Steel	Airfoil Galv Steel	Min. – 8" x 6" Max. Single Section: 30"w x 48"h Multiple Section: 120"w x 96"h	Min. – 8" x 6" Max. Single Section: 30"w x 48"h Multiple Section: 120"w x 96"h	Styles A, B, C, WC, WO, WR, LO, CO, CR, R Round duct Min. 6". Max is 34"	4,000 fpm	8" w.g					

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Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
IBD23 Style A	Galv Steel	Curtain Galv Steel	Min. – 4" x 4" Max. Single Section: 36"w x 32"h Multiple sections: 90"w x 68"h	Min. – 6"w x 6"h Max. Single Section: 30"w x 40"h Multiple sections: 90"w x 81"h	Square or Rectangular	4000 fpm 3000 fpm 2000 fpm with restrictions	4" w.g					-
IBD23 B, BC and WB Style	Galv Steel	Curtain Galv Steel	Min. – 4"w x 4"h Max. Single Section: 36"w x 32"h Multiple sections: 90"w x 68"h	Min. – 6"w x 4"h Max. Single Section: 30"w x 40"h Multiple sections: 90"w x 81"h	"B" Hood Blades Out of the Air Stream	2,000 fpm	4" w.g					-
IBD23 C, WC, CO and WO Style	Galv Steel	Curtain Galv Steel	Min. – 4"w x 4"h Max. Single Section: 34"w x 31"h Multiple sections: 88"w x 67"h	Min. – 4"w x 4"h Max. Single Section: 28"w x 39"h Multiple sections: 88"w x 81"h	Square or Oval Blades and Frame Out of the Air Stream	2,000 fpm	4" w.g					-
IBD23 CR and WR Style	Galv Steel	Curtain Galv Steel	Min. – 4" dia. Max. Single Section: 31" dia. Multiple sections: 67" dia.	Min. – 4" dia. Max. Single Section: 28" dia. Multiple Sections: 81" dia.	Round Blades and Frame Out of the Air Stream	2,000 fpm	4" w.g					-
IBD23 R Style	Galv Steel	Curtain Galv Steel	Min. – 4" dia. Max. Single Section: 34" dia	Min. – 4" dia. Max. Single Section: 38" dia	Round Blades in the Air Stream	2,000 fpm	4" w.g					-
IBD23 LR Style	Galv Steel	Curtain Galv Steel	Min. – 3" dia. Max. Single Section: 31" dia.	Min. – 4" dia. Max. Single Section: 28" dia.	Round Blades Out of the Air Stream	2,000 fpm	4" w.g					-
IBD23 LO Style	Galv Steel	Curtain Galv Steel	Min. – 4"w x 4"h Max. Single Section: 34"w x 31"h	Min. – 4"w x 4"h Max. Single Section: 28"w x 39"h	Oval Blades Out of the Air Stream	2,000 fpm	4" w.g					-

Life Safety > UL555 3hr Static, Curtain Fire Dampers

Canada ULC-S112 Fire Damper

Model	Construction	Blade	Walls (Vertical)	Floors (Horizontal)	Transitions	Max Velocity	Max Static Pressure	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
IBD230_ IBD430 and IBD630 A Style	Galv Steel	Curtain Galv Steel	Min. – 4”w x 4”h Max. Single Section: 36”w x 36”h Multiple sections: 54”w x 54”h	Min. – 6”w x 6”h Max. Single Section: 30”w x 45 1/2”h Multiple sections: 54”w x 54”h	Square or Rectangular	4000 fpm 3000 fpm 2000 fpm with restrictions.	4” w.g					
IBD230_ IBD430 and IBD630 B Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv Steel	Min. – 4”w x 4”h Max. Single Section: 36”w x 32”h Multiple sections: 54”w x 50”h	Min. – 6”w x 4”h Max. Single Section: 30”w x 40”h Multiple sections: 54”w x 46”h	“B” Hood Blades Out of the Air Stream	2,000 fpm	4” w.g					
IBD230_ IBD430 and IBD630 C Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv Steel	Min. – 4”w x 4”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 4”h Max. Single Section: 28”w x 39”h	Square or Oval Blades and Frame Out of the Air Stream	2,000 fpm	4” w.g					
IBD230_ IBD430 and IBD630 CR Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv Steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: – 31” dia.	Round Blades and Frame Out of the Air Stream	2,000 fpm	4” w.g					
IBD230_ IBD430 and IBD630 LO Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv Steel	Min. – 4”w x 3”h Max. Single Section: 31”w x 31”h	Min. – 4”w x 3”h Max. Single Section: 22”w x 20”h	Oval Blades Out of the Air Stream	2,000 fpm	4” w.g					
IBD230_ IBD430 and IBD630 CO Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv Steel	Min. – 4”w x 4”h Max. Single Section: – 34”w x 31”h	Min. – 4”w x 4”h Max. Single Section: 28”w x 39”h	Square or Oval Blades and Frame Out of the Air Stream	2,000 fpm	4” w.g					
IBD230_ IBD430 and IBD630 LR and R Style	Galv Steel DIBD20 12” Slv. DIBD40 14” Slv. DIBD60 16” Slv.	Curtain Galv Steel	Min. – 3” dia. Max. Single Section: 31” dia.	Min. – 4” dia. Max. Single Section: 28” dia.	Round Blades In the Air Stream	2,000 fpm	4” w.g					

Life Safety > FUSIBLE LINK 165°F (74°C) > Guillotine Fire Damper

Model	Construction	Blade	Walls (Vertical)	Round	Submittal
FDGT	Galv Steel	Guillotine	Consult Ruskin.	Consult Ruskin.	

Life Safety > UL Classified Radiation Dampers for Wood Truss Assemblies

UL Ceiling Design Numbers - L528, L546, L558, L574, L585, L586, L592, P533, P545, P548, P572 and H502

Model	Min. Size	Max. Size	Plenum Box	Through Membrane Penetration	Plaster Flange	Maximum Grille Depth	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
CFD7T	5"w x 4"h	18"w x 18"h	Not Required	Optional	Standard	2 1/2"		-		-	-
CFD7T-90-BT	10"w x 4"h	14"w x 6"h	90° Boot	Optional	Standard	2 1/2"		-		-	-
CFD7T-END-BT	10"w x 4"h	14"w x 6"h	End Boot	Optional	Standard	2 1/2"		-		-	-
CFD7T-ST-BT	10"w x 4"h	14"w x 6"h	Straight Boot	Optional	Standard	2 1/2"		-		-	-
CFD7T-SB	5"w x 4"h	18"w x 18"h	Non-Insulated Steel Box	Optional	Standard	2 1/2"		-		-	-
CFD7T-R6-DB	5"w x 4"h	18"w x 18"h	R6 Duct Board	Optional	Standard	2 1/2"		-		-	-
CFDR7T	5" Dia.	18" Dia.	None	Optional	Standard	2 3/8"		-		-	-
CFD7T-SR	5"w x 4"h	12"w x 12"h 12" Dia.	R6 Insulated Steel Box	NA	Standard	3"		-		-	-
CFD7T-IB6	5"w x 5"h (127 x 127)	18"w x 18"h (457 x 457) and Maximum of 1 sq. ft	26 gauge galvanized steel	Optional	Standard	2 1/2"		-		-	-

Life Safety > UL Classified Radiation Dampers for Wood Joist Assemblies

UL Ceiling Design Numbers - G548, L501, L502, L503, L506, L507, L508, L512, L513, L514, L515, L516, L517, L519, L522, L523, L524, L533, L537, L545 and M525

Model	Min. Size	Max. Size	Plenum Box	Through Membrane Penetration	Plaster Flange	Maximum Grille Depth	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
CFDZ	5"w x 4"h	16"w x 12"h	Factory or field supplied	Optional	None	3/4"		-		-	-

Life Safety > Warnock Hersey Classified Radiation Dampers for Wood Assemblies

Model	Min. Size	Max. Size	Plenum Box	Through Membrane Penetration	Plaster Flange	Maximum Grille Depth	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
CFD2W	5"w x 4"h	324 sq. in.	N/A	Optional	Optional	3/4"					
CFD3W	5"w x 4"h	70 sq. in.	N/A	Optional	Optional	3/4"					
CFD4W	14"w x 24"h	576 sq. in.	N/A	Optional	Optional	3/4"					
CFDR2W	12" Dia.	20" Dia.	N/A	Optional	Optional	3/4"					
CFDR3W	5" Dia.	10" Dia.	N/A	Optional	Optional	3/4"					

Life Safety > UL Classified Radiation Dampers for Non-Wood Assemblies

Model	Min. Size	Max. Size	Blade Insulation	Through Membrane Penetration	Extended Frame	Maximum Grille Depth	Submittal	CSI 3-Part Spec	Basic Install sheet	CAD Install Drawing	3D Revit® Files
CFD2	5"w x 4"h	324 sq. in.	1/2" Rated Sheet Rock	Optional	Optional	-					
CFD3	5"w x 4"h	70 sq. in.	None	Optional	Optional	-					
CFD3.5	5"w x 4"h	70 sq. in.	1/2" Rated Sheet Rock	Optional	Optional	-					
CFD4	14"w x 24"h	576 sq. in.	1/2" Rated Sheet Rock	Optional	Optional	-					
CFD5	5"w x 4"h	18" x 18"	1/2" Rated Sheet Rock	Optional	Optional	-					
CFDR2	12" Dia.	20" Dia.	1/2" Rated Sheet Rock	Optional	Optional	-					
CFDR3	5" Dia.	10" Dia.	None	Optional	Optional	-					
CFD3.5	5"w x 4"h	324 sq. in.	1/2" Rated Sheet Rock	Optional	Optional	-					
CFDR5	12" Dia.	20" Dia.	1/2" Rated Sheet Rock	None	Optional	-					
CFD8	6" x 6"	18" x 18"	Quilted 1/8" Thick Kaowool	None	Optional	-		-		-	
DFSDR1	6" Dia.	12" Dia.	1/2" Cerimac Blanket	None	None	-				-	