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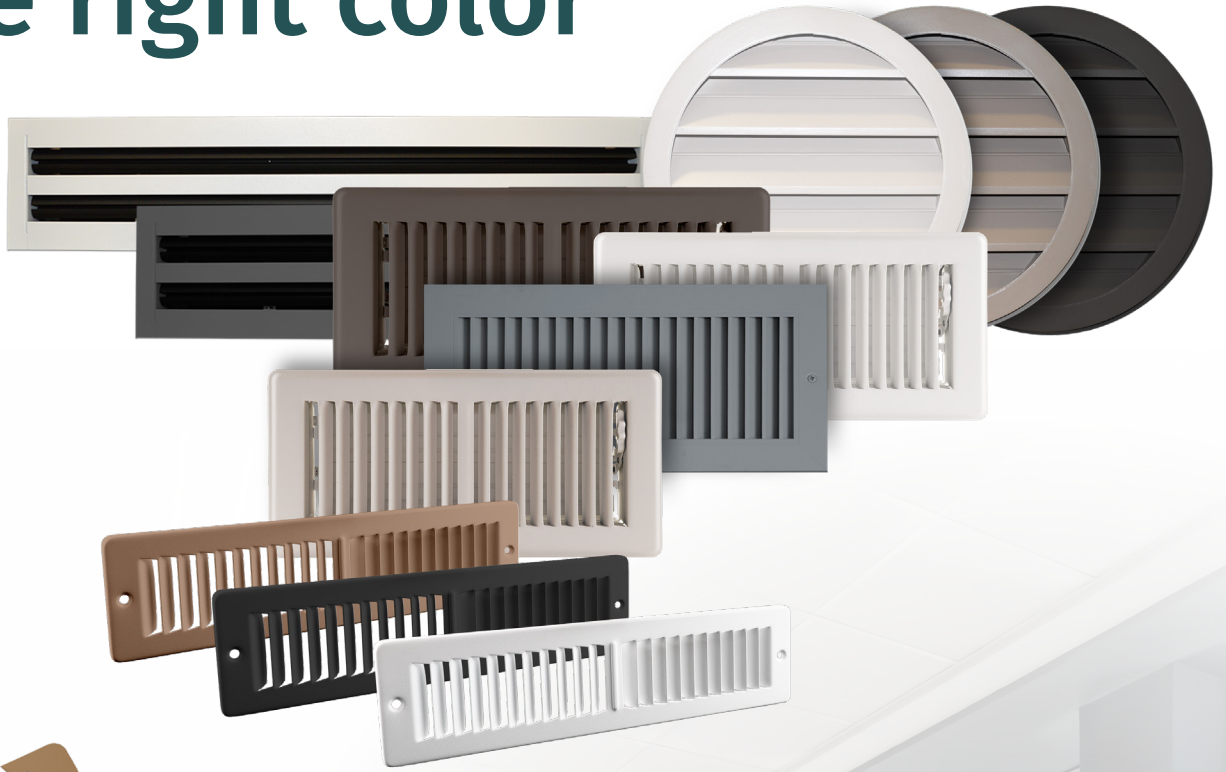
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Since 1947, Shoemaker Manufacturing has been a trusted name in the commercial HVAC industry, producing top-quality grilles, registers, and diffusers. Nestled in the shadow of the Stuart Range in Cle Elum, Washington, Shoemaker has earned a reputation for excellence with unparalleled products and exceptional customer service. From the sleek and modern to the classic and elegant, Shoemaker's range of HVAC solutions are flexible—and customizable—allowing contractors to utilize comparable products even in spaces that require unique sizes or configurations without sacrificing aesthetics or performance.

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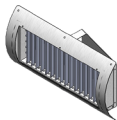


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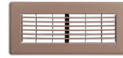


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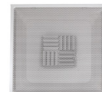
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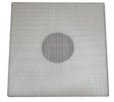
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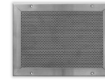
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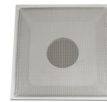
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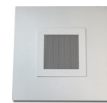
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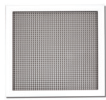


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Aluminum Lattice Filter Grille



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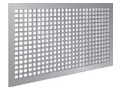


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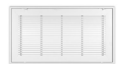
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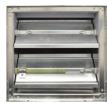


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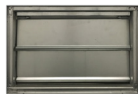
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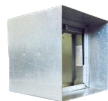
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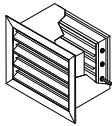


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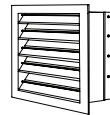


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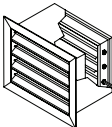
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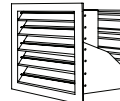
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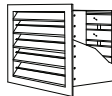
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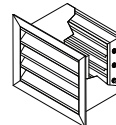
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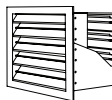
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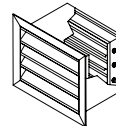
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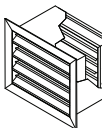
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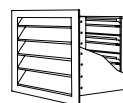
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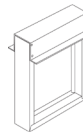
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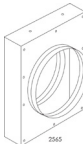
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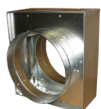
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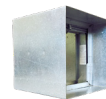
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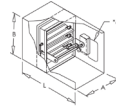
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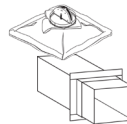
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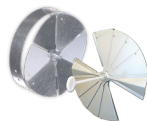
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700 SERIES

Quality. Value. Performance tested.

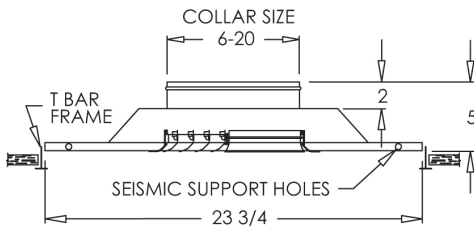
Rust-resistant
pre-coat with
durable powder
finish



Adjustable
modular core

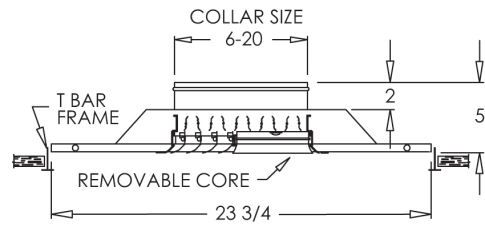


Model 700MA



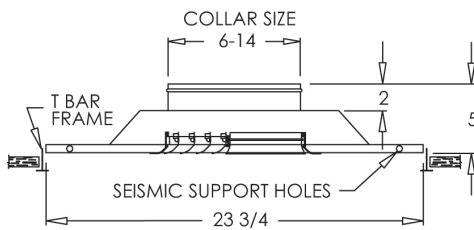
700MA

Model 700MA-O



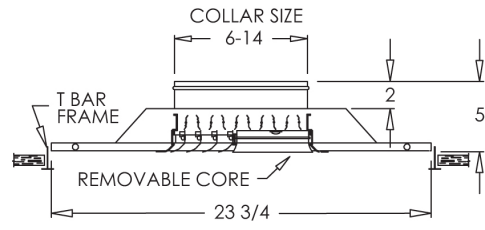
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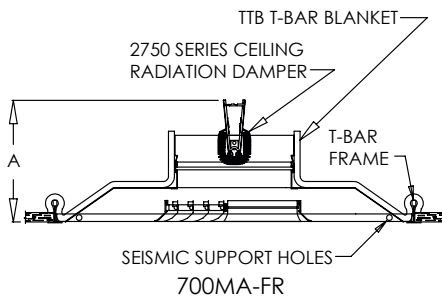
700MCB

Model 700MCB-O



700MCB-O

Model 700MA-FR



700MA-FR



MODULAR CORE T-BAR DIFFUSERS

700MA / 700MCB Series

Modular Core Diffuser in T-Bar Panel

Model	Description
700MA	Modular Core Fixed Blades
700MA-0	Modular Core Fixed Blades with Opposed Blade Damper
700MCB	Modular Core Adjustable Blades
700MCB-0	Modular Core Adjustable Blades with Opposed Blade Damper
700MA-FR	UL Fire Resistance Classified T-Bar Modular Core Diffuser

FEATURES

- Maintains horizontal airflow pattern
- 2" ADC-compliant round collar with bead for ease of installation
- Standard collar diameter is the same as the diffuser size
- Diffuser available in sizes 6"x6" through 20"x20"
- Rust-resistant pre-coat with durable powder finish

Model 700MCB

Modular cores with individually adjustable curved blades



Model 700MA

Modular Cores with fixed blades

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options

- ▶ Recessed Operated Opposed Blade Damper
- ▶ Premium 3" Round collar with bead (MODEL: 700MA-3in)
- ▶ Square Collar
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for $\frac{1}{16}$ " T-Rails, changes O.D. to $23\frac{2}{32}$ "



MAT SERIES

Quality. Value. Performance tested.

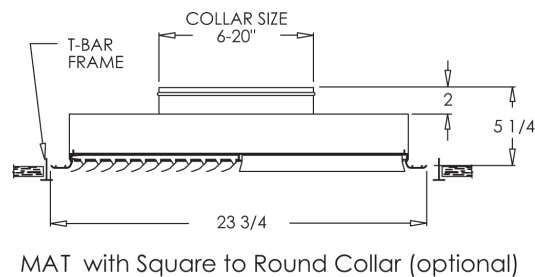
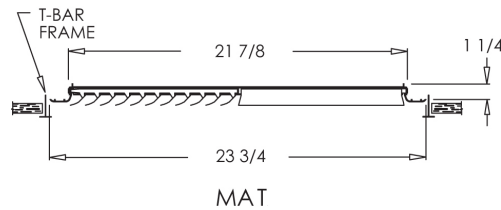


Extruded aluminum frame

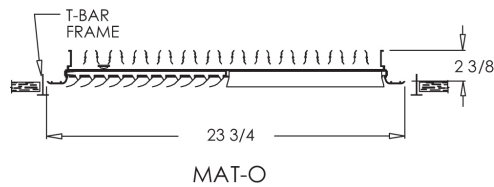
Rust-resistant
pre-coat with
durable powder
finish



Model MAT



Model MAT-O





MODULAR CORE T-BAR DIFFUSERS

MAT Series

Modular Core Diffuser in T-Bar Panel

Model	Description
MAT	Modular Core Diffuser
MAT-O	Modular Core Diffuser with Opposed Blade Damper

FEATURES

- Adjustable modular cores with fixed curved blade
- Maintains horizontal airflow pattern
- Extruded aluminum frame with signature line marks
- Square collar designed for 22"×22" duct only
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



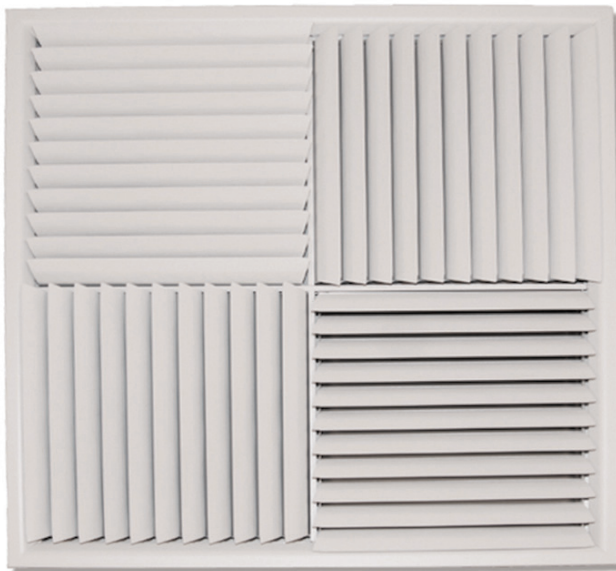
DT Driftwood Tan



BZ Bronze



BK Black



Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: MAT-O)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ Premium 3" Round Collar with bead (MAT-3")



700CB SERIES

Quality. Value. Performance tested.

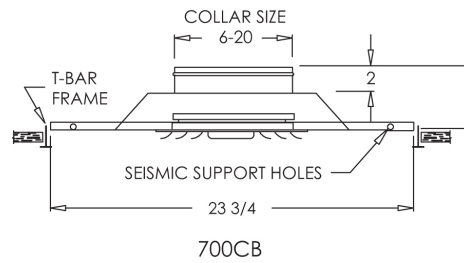
Rust-resistant
pre-coat with
durable powder
finish



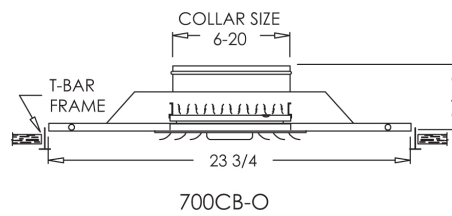
Five air patterns
available



Model 700CB



Model 700CB-O



Air Patterns

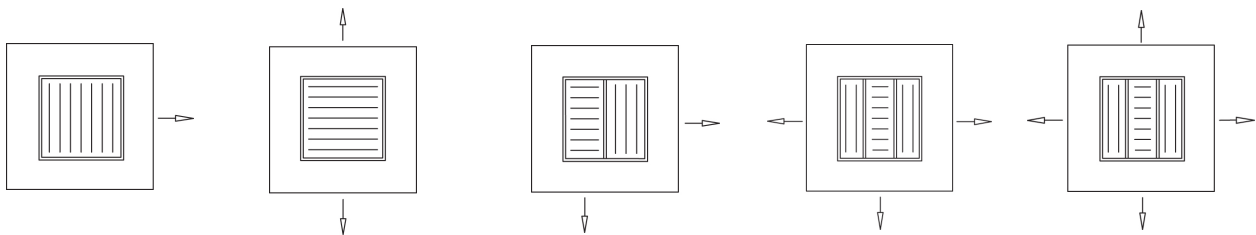
10A

20A

20D

30A

40A





CURVED BLADE T-BAR DIFFUSERS

700CB Series

Adjustable Curved Blade Diffuser in T-Bar Panel

Model	Description
700CB	Curved Blade Diffuser
700CB-0	Curved Blade Diffuser with Opposed Blade Damper

FEATURES

- Individually adjustable curved blade diffuser
- Five air patterns available
- Nylon bushings on adjustable blades prevent metal-on-metal rattle
- Diffuser available in sizes 6"×6" through 20"×20"
- Standard collar diameter is the same as the diffuser size
- 2" ADC-compliant round collar with bead for ease of installation
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 700CB-0)
- ▶ 3" Premium Collar with Bead (700CB-3in)
- ▶ Square Collar
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for 5/16" T-Rails, changes O.D. to 23 29/32"



CBT SERIES

Quality. Value. Performance tested.

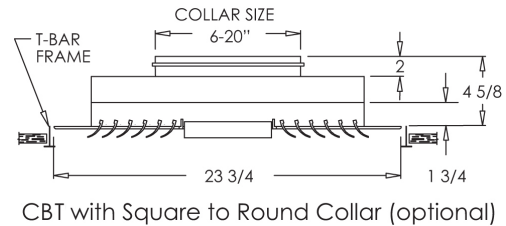
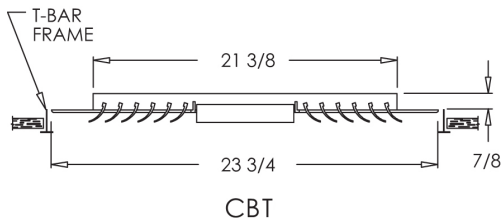
Five air
patterns
available



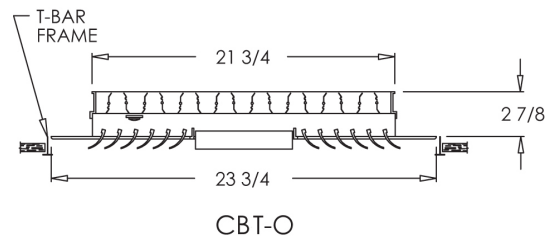
Adjustable
curved blade
T-bar diffuser



Model CBT



Model CBT-O



Air Patterns

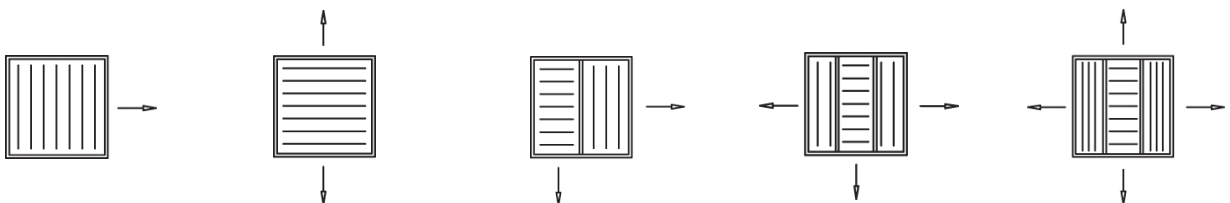
10A

20A

20D

30A

40A





CURVED BLADE T-BAR DIFFUSERS

CBT Series

Adjustable Curved Blade T-Bar Diffuser

Model	Description
CBT	Curved Blade T-Bar Diffuser
CBT-0	Curved Blade T-Bar Diffuser with Opposed Blade Damper

FEATURES

- Individually adjustable curved blade diffuser
- Five air patterns available
- Extruded aluminum frame with signature line marks
- Nylon bushings on adjustable blades prevent metal-on-metal rattle
- Square collar designed for 22"×22" duct
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



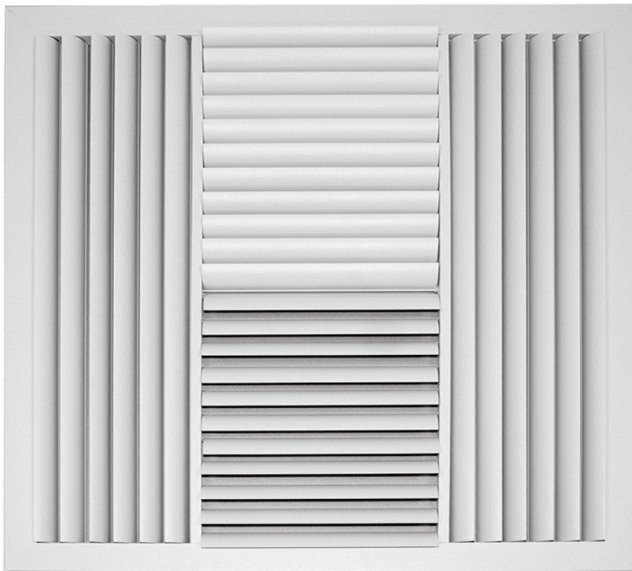
DT Driftwood Tan



BZ Bronze



BK Black



Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: CBT-0)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead (CBT-3in)
- ▶ 1×1 T-Bar (10"×10" duct)
- ▶ 1×2 T-Bar (10"×22" duct)
- ▶ 2×4 T-Bar (22"×46" duct)



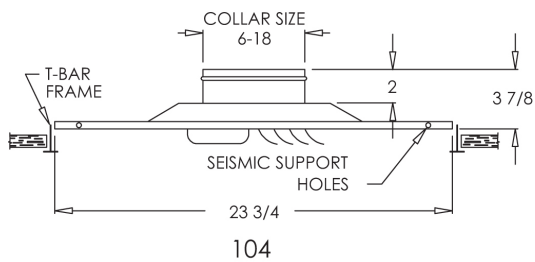
104 SERIES

Quality. Value. Performance tested.

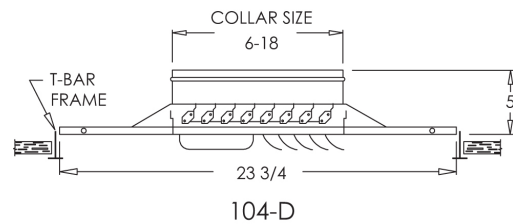
Stamped
curved
blade

Four-way air
pattern

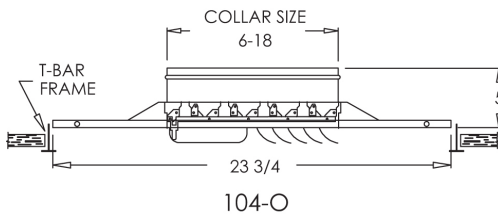
Model 104



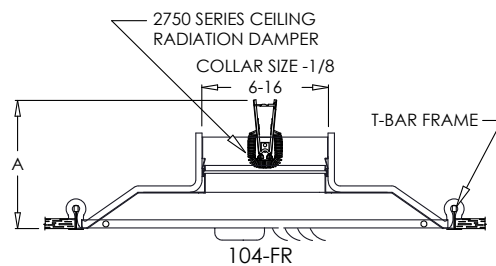
Model 104-D



Model 104-O



Model 104-FR





LOUVERED BLADE T-BAR DIFFUSERS

104 Series

Stamped Curved Blade T-Bar Diffuser

Model	Description
104	Stamped Curved Blade T-Bar Diffuser
104-D	Lever-Operated Multi-Shutter Damper
104-O	Lever-Operated Opposed Blade Damper
104-FR	UL Fire Resistance Classified Stamped Curved Blade

FEATURES

- Stamped curved blade T-Bar diffuser with four-way air pattern
- 2" ADC-compliant round collar with bead for ease of installation
- Standard collar diameter is 2" smaller than face (ex. 12"×12" face has a 10" collar)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



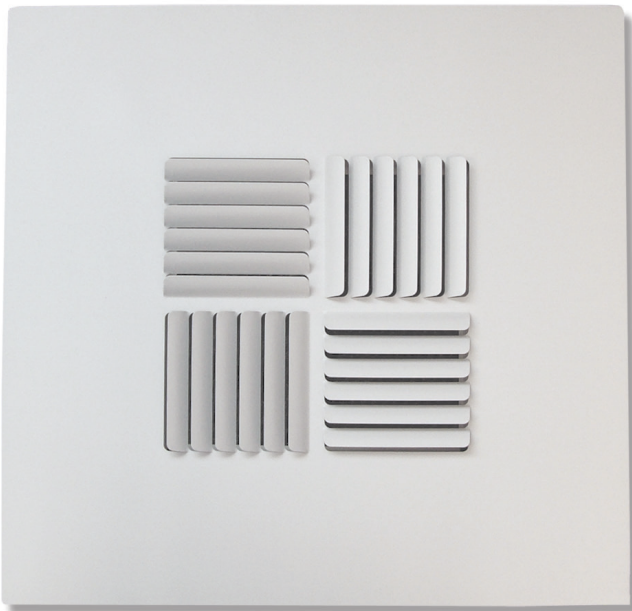
DT Driftwood Tan



BZ Bronze



BK Black



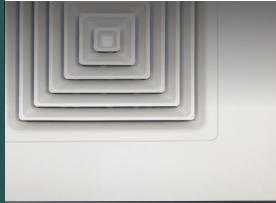
Options

- ▶ *Lever-operated Multi-Shutter Damper*
- ▶ *(MODEL: 104-D)*
- ▶ *Lever-operated Opposed Blade Damper (MODEL: 104-O)*
- ▶ *3" Premium Collar with Bead*
- ▶ *Square collar*
- ▶ *TVB – Thermal Vapor Blanket*
- ▶ *NGD – Narrow ceiling grid dimples for 5/16" T-Rails, changes O.D. to 23 29/32"*



700DVD SERIES

Quality. Value. Performance tested.

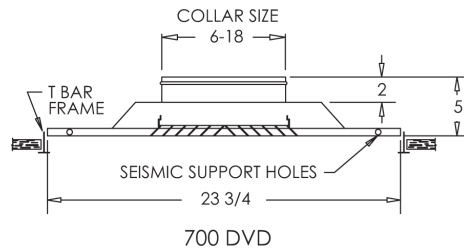


Rust-resistant pre-coat
with durable powder finish

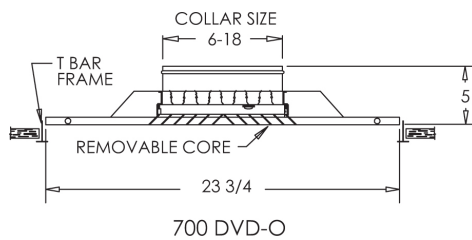


Directional
volume diffuser

Model 700DVD



Model 700DVD-0



Air Patterns

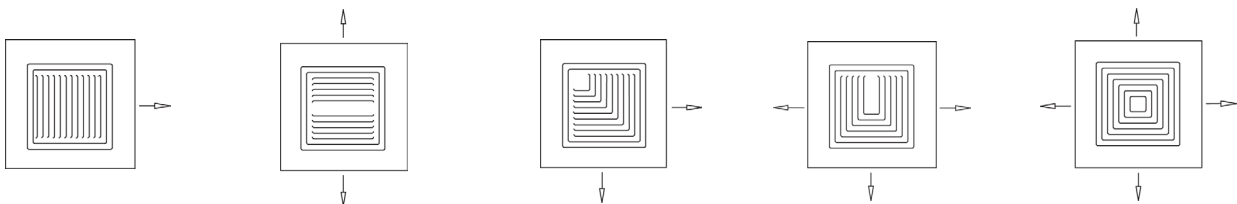
700DVD-1S

700DVD-2S

700DVD-2SC

700DVD-3S

700DVD-4S





LOUVERED T-BAR DIFFUSERS

700DVD Series

Directional Volume Diffuser in T-Bar Panel

Model	Description
700DVD	Directional Volume Diffuser
700DVD-0	Directional Volume Diffuser with Opposed Blade Damper
700DVD-ADJ	Directional Volume Diffuser with Adjustable Baffles
700DVD-FR	UL Fire Resistance Classified T-Bar Directional Volume Diffuser

FEATURES

- Directional volume diffuser with 4-way removable core
- Designed to handle high volumes of air with horizontal flow
- Five air patterns available
- 2" ADC-compliant round collar with bead for ease of installation
- Standard collar diameter is the same as the diffuser size
- Diffuser available in sizes 6"×6" through 18"×18"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



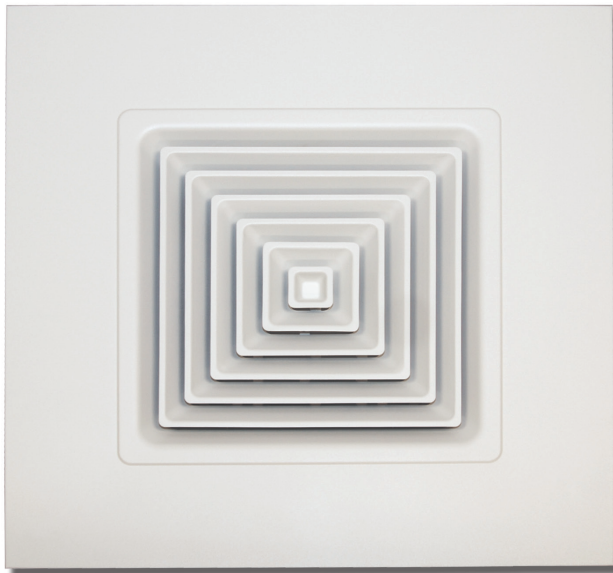
DT Driftwood Tan



BZ Bronze



BK Black



Options

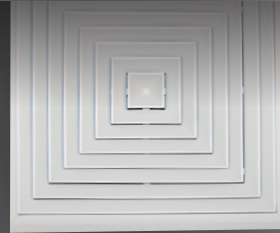
- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 700DVD-0)
- ▶ Adjustable baffles to control air flow through diffuser (MODEL: 700DVD-ADJ)
- ▶ Square Collar
- ▶ 3" Premium Collar with Bead (700DVD-3in)
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for 1/16" T-Rails, changes O.D. to 23 29/32"



DVDT SERIES

Quality. Value. Performance tested.

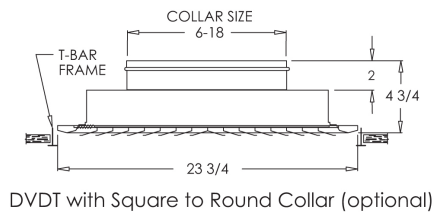
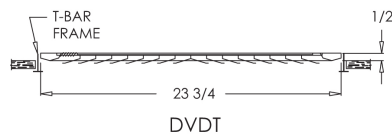
Directional
volume
diffuser



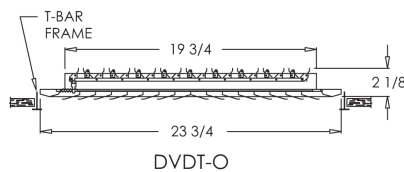
Four-way
removable
core



Model DVDT



Model DVDT-0



Air Patterns

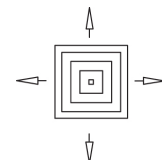
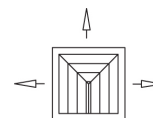
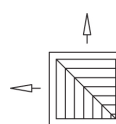
DVDT-1S

DVDT-2S

DVDT-2SC

DVDT-3S

DVDT-4S





LOUVERED T-BAR DIFFUSERS

DVDT Series

Directional Volume Diffuser T-Bar

Model	Description
DVDT	Directional Volume Diffuser
DVDT-0	Directional Volume Diffuser with Opposed Blade Damper

FEATURES

- Directional volume diffuser with 4-way removable core
- Designed to handle high volumes of air with horizontal flow
- Five air patterns available
- Square collar designed for 20"×20" duct
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



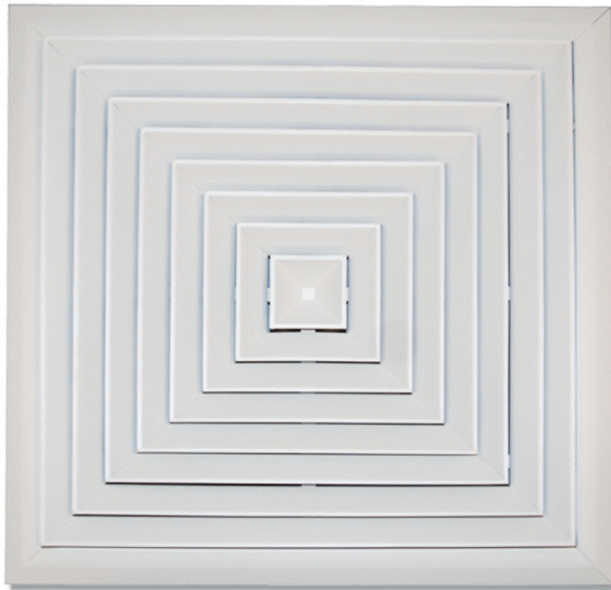
DT Driftwood Tan



BZ Bronze



BK Black



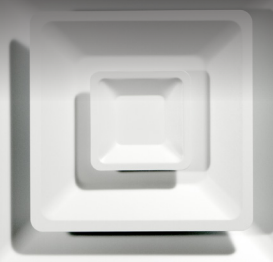
Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: DVDT-0)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead (DVDT-3in)



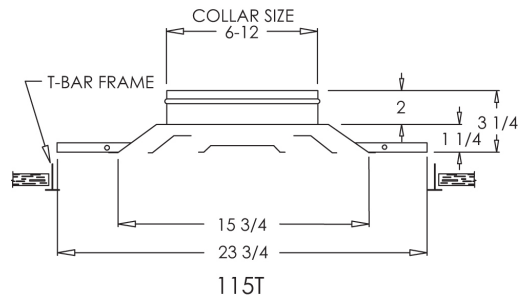
115T SERIES

Quality. Value. Performance tested.

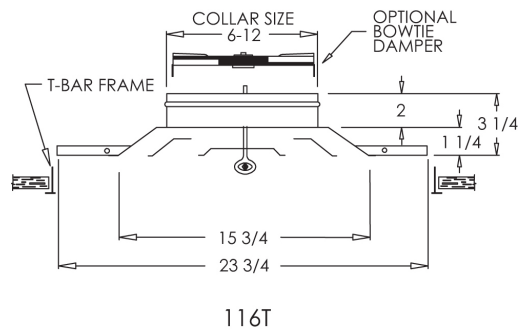


Flush step down
steel diffuser

Model 115T



Model 116T





LOUVERED T-BAR DIFFUSERS

115T Series

Flush Step Down T-Bar Diffuser

Model	Description
115T	Flush Step Down T-Bar Diffuser
116T	Flush Step Down T-Bar Diffuser (with Center Hole)

FEATURES

- Low profile design for tight mechanical areas
- Delivers supply air in a 360° air pattern
- 2" ADC-compliant round collar with bead for ease of installation
- Available in 6"-12" collar sizes
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 115T



Model 116T

Options

- ▶ Center hole in face for damper adjustment
- ▶ BD – Field installable Bowtie Damper
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for $\frac{3}{16}$ " T-Rails, changes O.D. to $23\frac{23}{32}$ "



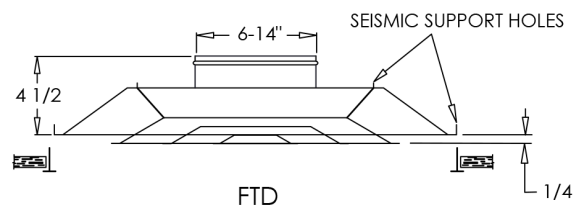
FTD SERIES

Quality. Value. Performance tested.

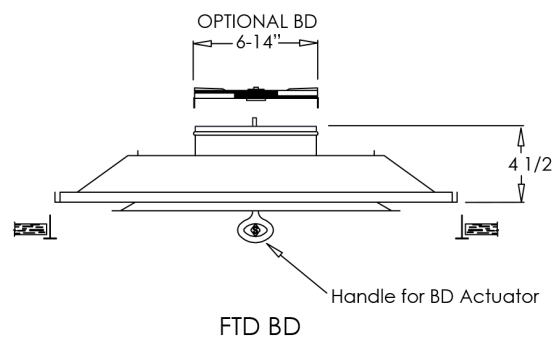
4 cone T-bar
diffuser

Delivers supply
air in a 360° air
pattern

Model FTD



Model FTD-BD





LOUVERED T-BAR DIFFUSERS

FTD Series

4 Cone High Volume Diffuser

Model	Description
FTD	4-Cone High Volume Diffuser with Fixed Face

FEATURES

- Fixed face 4 cone steel T-Bar diffuser
- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- 2" ADC compliant round collar with bead for ease of installation
- Collar sizes available in even sizes 6"-14"
- Rust resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



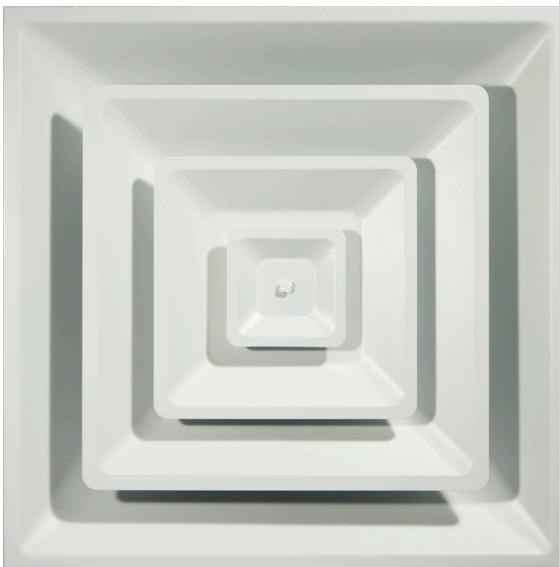
DT Driftwood Tan



BZ Bronze



BK Black



Model FTD

Options

- ▶ **BD** – Field installable Bowtie Damper (available on even sizes 6"-14")
- ▶ **OBR** - Opposed Blade Damper (Duct Mount Only)
- ▶ **Preformed, contour molded fiberglass back with a foil barrier backing, compatible with 6-16" spin-in collar supplied by others (FTD-FBP)**



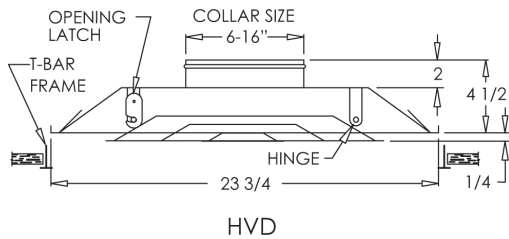
HVD SERIES

Quality. Value. Performance tested.

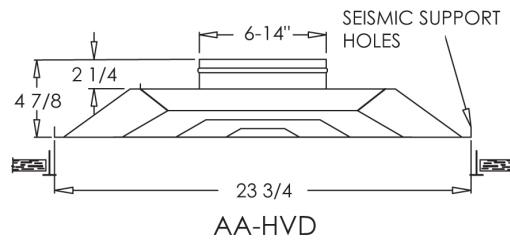
4 cone T-bar
diffuser

Delivers supply
air in a 360° air
pattern

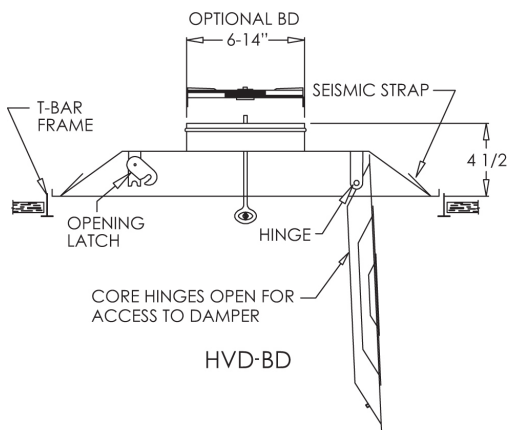
Model HVD



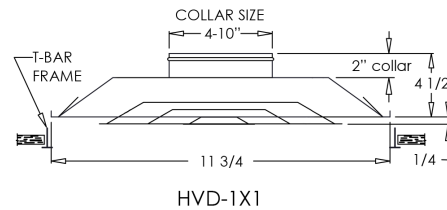
Model AA-HVD



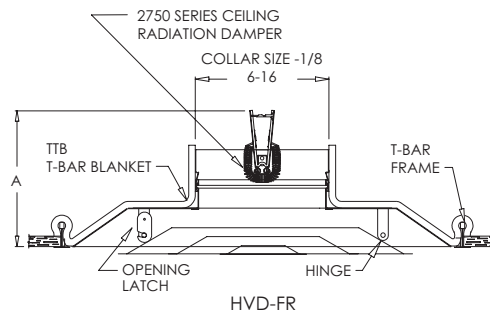
Model HVD-BD



Model HVD-1X1



Model HVD-FR





LOUVERED T-BAR DIFFUSERS

HVD Series

Premium 4 Cone T-Bar Diffuser

Model	Description
HVD	4-Cone High Volume Diffuser
AA-HVD	Aluminum 4-Cone High Volume Diffuser With Fixed Face
HVD-BD	4-Cone High Volume Diffuser with Bowtie Damper
HVD-ADJ	4-Cone Diffuser with Adjustable Baffle Controllers
HVD-1x1	4-Cone High Volume Diffuser Fixed Face 1x1 Grid
HVD-FR	UL Fire Resistance Classified 4-Cone T-Bar Diffuser

FEATURES

- 4-Cone steel diffuser with hinged core for easy duct access
- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- 2" ADC-compliant round collar with bead for ease of installation
- Collar sizes available in 6"-10", 12", 14", and 16"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



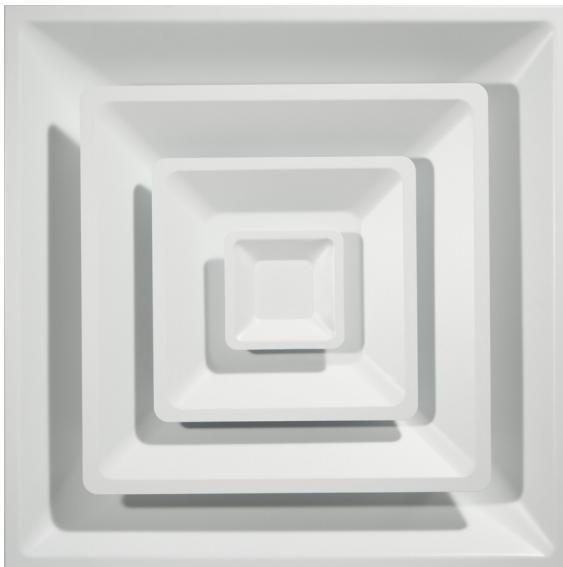
DT Driftwood Tan



BZ Bronze



BK Black



Model HVD

Options

- ▶ Aluminum 4 Cone T-Bar diffuser with Fixed Face (MODEL: AA-HVD - not pictured)
- ▶ Adjustable baffle controllers to direct airflow horizontally or vertically (MODEL: HVD-ADJ - not pictured)
- ▶ Fits 1x1 ceiling grids (collar size 6"-10") (MODEL: HVD-1x1 - not pictured)
- ▶ 3" Premium Collar with Bead (HVD-3in)
- ▶ Square collar (not pictured)
- ▶ TVB – Thermal Vapor Blanket (not pictured)
- ▶ FBP - Preformed R6 Insulated backing with foil barrier (not pictured)
- ▶ NGD – Narrow ceiling grid dimples for 1/16" T-Rails, changes O.D. to 23 2/32" (not available on FTD - not pictured)



HVD-SS SERIES

Quality. Value. Performance tested.

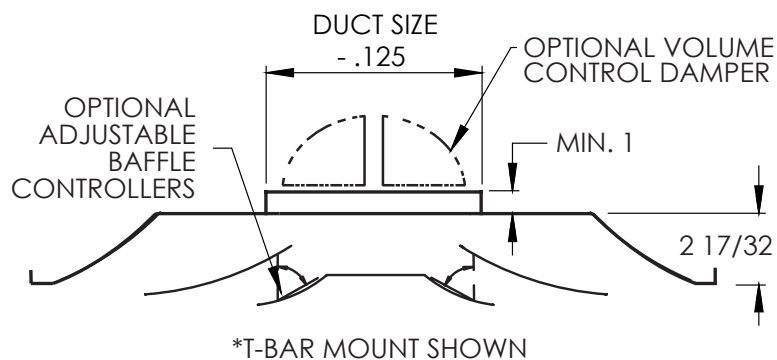
360° air
diffusion



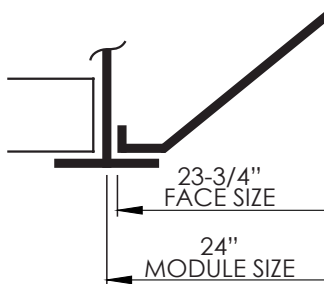
4-cone design
T-Bar diffuser



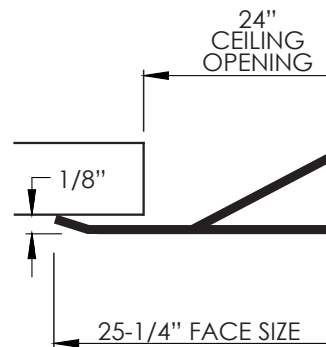
Model HVD-SS



T-Bar Mount



Surface Mount





LOUVERED T-BAR DIFFUSERS

HVD-SS Series

Stainless Steel Adjustable 4-Cone T-Bar Diffuser

Model	Description
HVD-SS	Adjustable 4-Cone T-Bar Diffuser

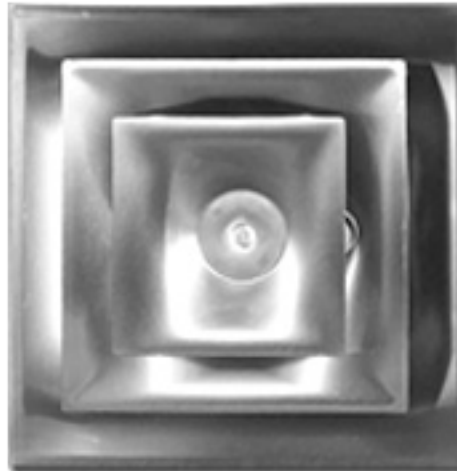
FEATURES

- Type 304 stainless steel
- 4-cone design T-Bar diffuser
- Die stamped cones
- Designed for high volume air delivery
- 360° air diffusion
- Removable core for easy duct access
- 2 x 2 stainless steel panel
- Square to round transition collar
- Collar sizes available in 4", 5", 6", 8", 10", 12", 14", & 15"
- Satin polished finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish • Satin polished finish



Model HVD-SS

Options

- ▶ Type 316 stainless steel
- ▶ Surface mount
- ▶ Volume control damper
- ▶ Center hole with plug for damper access
- ▶ One way airflow deflectors
- ▶ Two way airflow deflectors
- ▶ Three way airflow deflectors



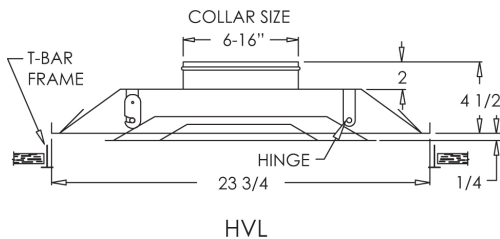
HVL SERIES

Quality. Value. Performance tested.

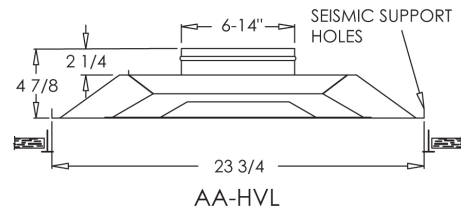
Hinged core for
easy duct access

Rust-resistant
pre-coat
with durable
powder finish

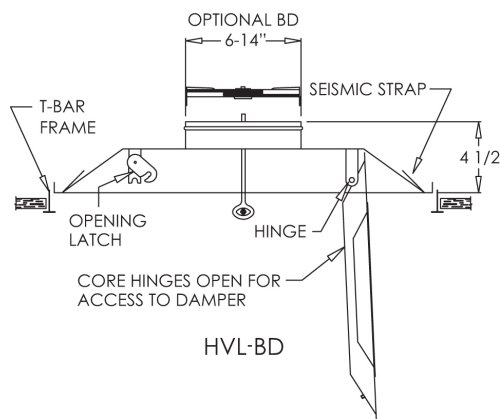
Model HVL



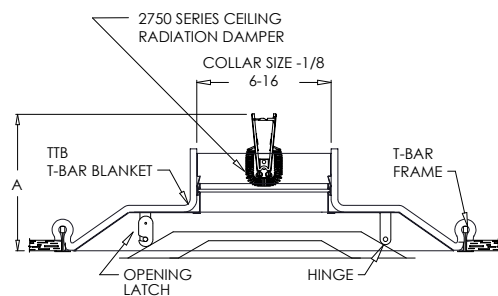
Model AA-HVL

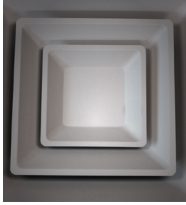


Model HVL-BD



Model HVL-FR





LOUVERED T-BAR DIFFUSERS

HVL Series

Premium 3-Cone T-Bar Diffuser

Model	Description
HVL	3-Cone Diffuser
AA-HVL	Aluminum 3-Cone Diffuser Fixed Face
HVL-BD	3-Cone Diffuser with Bowtie Damper
HVL-1x1	3-Cone Diffuser Fixed Face 1x1 Grid
HVL-ADJ	3-Cone Diffuser with Adjustable Baffle Controllers
HVL-FR	UL Fire Resistance Classified 3-Cone T-Bar Diffuser

FEATURES

- 3-Cone steel diffuser with hinged core for easy duct access
- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- 2" ADC-compliant round collar with bead for ease of installation
- Collar sizes available in 6"-10", 12", 14", and 16"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



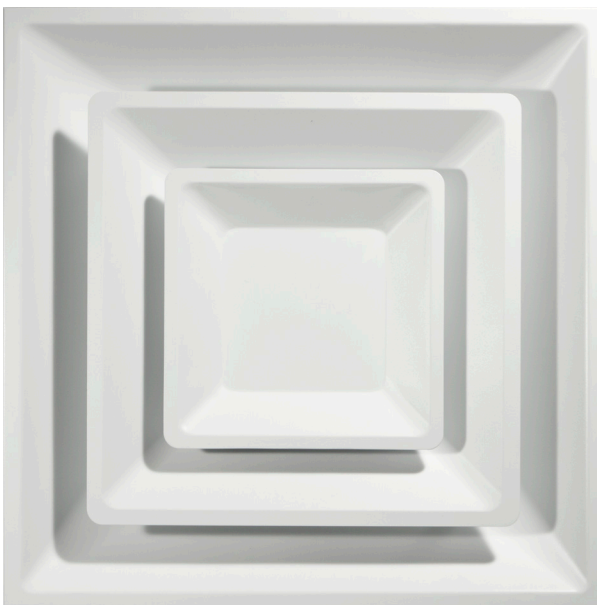
DT Driftwood Tan



BZ Bronze



BK Black



Model HVL

Options

- ▶ Aluminum 3-Cone T-Bar diffuser with Fixed Face
- ▶ (MODEL: AA-HVL - not pictured)
- ▶ Adjustable baffle controllers to direct airflow horizontally or vertically (MODEL: HVL-ADJ - not pictured)
- ▶ Fits 1x1 ceiling grids (collar size 6"-10") (MODEL: HVL-1x1 - not pictured)
- ▶ BD – Field installable Bowtie Damper (available on even sizes 6"-14")
- ▶ 3" Premium Collar with Bead (HVL-3in)
- ▶ Square collar
- ▶ TVB – Thermal Vapor Blanket (not pictured)
- ▶ FBP - Preformed R6 Insulated backing with foil barrier (not pictured)
- ▶ NGD – Narrow ceiling grid dimples for 3/16" T-Rails, changes O.D. to 23 29/32" (not pictured)



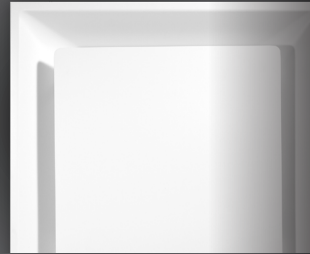
HL SERIES

Quality. Value. Performance tested.

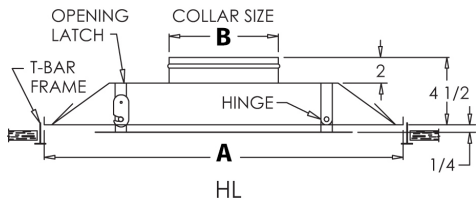
Hinged and removable core for easy duct access



Single plaque T-Bar diffuser

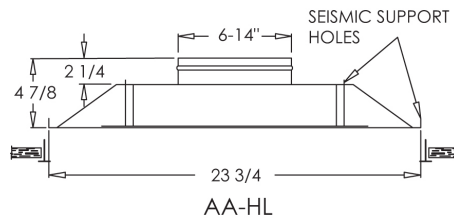


Model HL

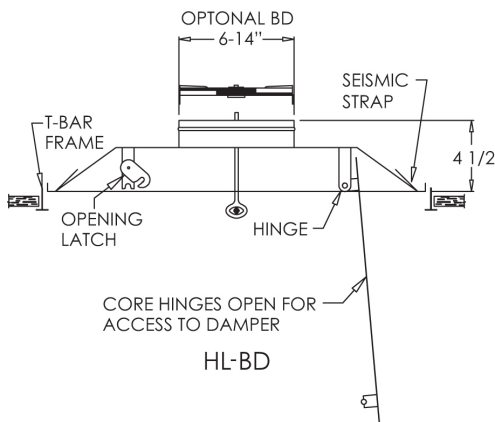


Normal Ceiling Grid	Actual Size	Available Collar Sizes
	Dimension A	Dimension B
1×1	11 $\frac{3}{4}$ " × 11 $\frac{3}{4}$ "	4" thru 8"
2×2	23 $\frac{3}{4}$ " × 23 $\frac{3}{4}$ "	4" thru 10", 12", 14", and 16"

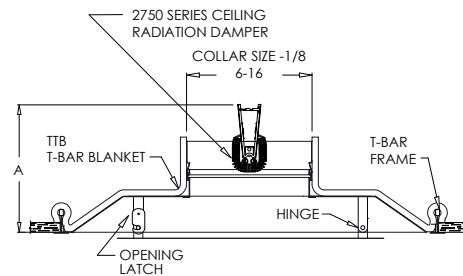
Model AA-HL



Model HL-BD



Model HL-FR





ARCHITECTURAL PLAQUE T-BAR DIFFUSERS

HL Series

Premium Architectural Plaque T-Bar Diffuser

Model	Description
HL	Architectural Plaque Diffuser
AA-HL	Aluminum Architectural Diffuser
HL-BD	Architectural Plaque Diffuser with Bowtie Damper
HL-ADJ	Architectural Plaque Diffuser With Adjustable Baffle Controllers
HL-1x1	Architectural Plaque Diffuser 1x1 Grid
SM-HL	Architectural Surface Mount Plaque Diffuser
HL-FR	UL Fire Resistance Classified T-Bar Plaque Diffuser

FEATURES

- Single plaque T-Bar diffuser
- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- Hinged and removable core for easy duct access
- 2" ADC-compliant round collar with bead for ease of installation
- Collar sizes available in 6"-10", 12", 14", & 16"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model HL

Options

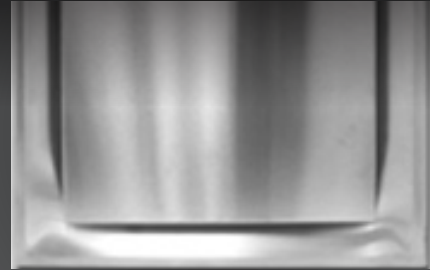
- ▶ Architectural surface mount plaque diffuser
- ▶ Aluminum architectural T-Bar diffuser with fixed plaque face (MODEL: AA-HL - not pictured)
- ▶ Adjustable baffle controllers to direct airflow horizontally or vertically (MODEL: HL-ADJ - not pictured)
- ▶ Fits 1x1 ceiling grids (MODEL: HL-1x1)
- ▶ 3" Premium Collar with Bead (HL-3in)
- ▶ Square collar
- ▶ TVB – Thermal Vapor Blanket
- ▶ FBP - Preformed R6 Insulated backing with foil barrier (not pictured)
- ▶ NGD – Narrow ceiling grid dimples for 5/16" T-Rails, changes O.D. to 23 29/32"



HL-SS SERIES

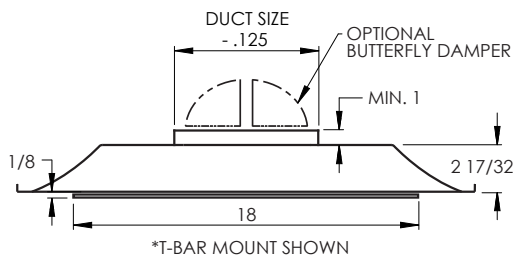
Quality. Value. Performance tested.

Type 304
stainless steel

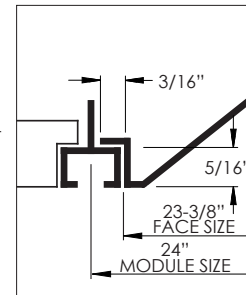


Single plaque
T-Bar diffuser

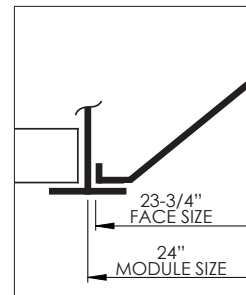
Model HL-SS



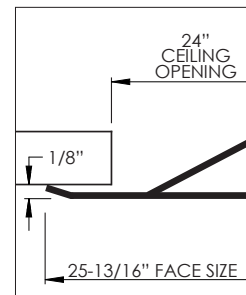
9/16" NARROW SLOT
DETAIL



T-BAR MOUNT
DETAIL



SURFACE MOUNT
DETAIL





ARCHITECTURAL PLAQUE T-BAR DIFFUSERS

HL-SS Series

Stainless Steel Architectural T-Bar Plaque Diffuser

Model	Description
HL-SS	Stainless Steel Architectural T-Bar Plaque Diffuser

FEATURES

- Type 304 stainless steel
- Single plaque T-Bar diffuser
- Designed for high volume air delivery
- 360° air diffusion
- Removable core for easy duct access
- 2 x 2 stainless steel panel
- Square to round transition collar
- Collar sizes available in 4", 5", 6", 8", 10", 12", 14", & 15"
- Satin polished finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



Model HL-SS

Options

- ▶ Type 316 stainless steel
- ▶ Aluminum Construction
- ▶ Surface Mount
- ▶ Butterflyl Damper



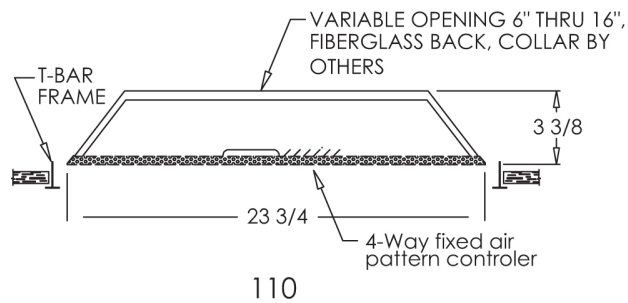
110 SERIES

Quality. Value. Performance tested.

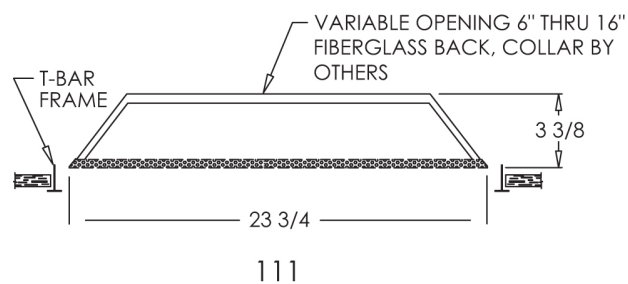
Perforated face

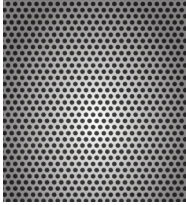
4-way fixed air
pattern controller

Model 110



Model 111





PERFORATED T-BAR DIFFUSERS

110 Series

Perforated Fiberglass Back T-Bar Diffuser

Model	Description
110	Fixed Perforated Face with 4-Way Pattern Controller Fiberglass Back Diffuser
111	Fixed Perforated Face Fiberglass Back Return

FEATURES

- Perforated face with 4-way fixed air pattern controller
- 51% Free Area Perforated Face
- Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collar (collar by others)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



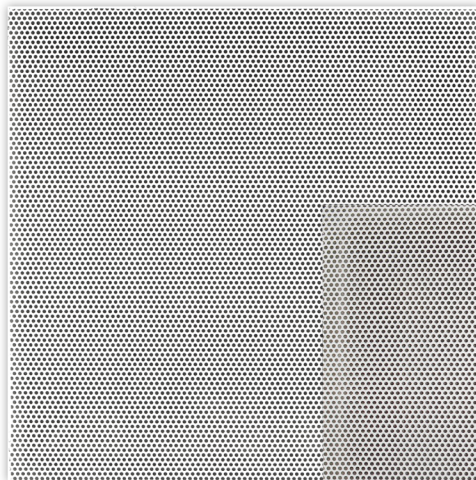
BZ Bronze



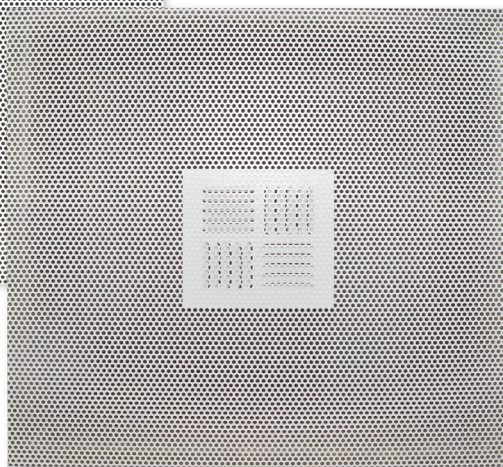
BK Black

Options

- Return air grille without deflector grid (MODEL: 111)



Model 111



Model 110



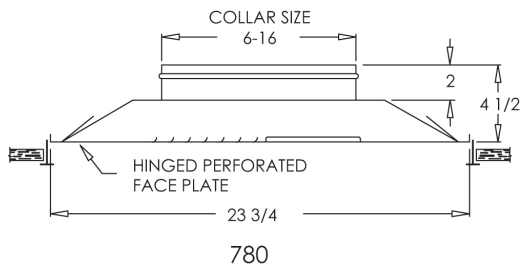
780 SERIES

Quality. Value. Performance tested.

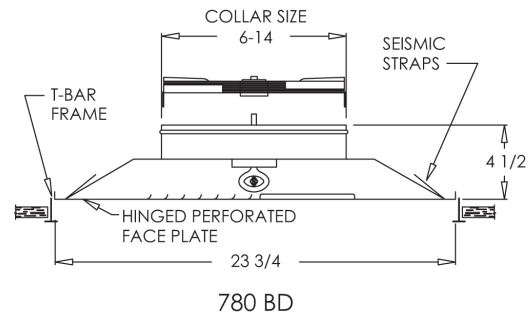
4-way air patterns

Adjustable pattern controllers

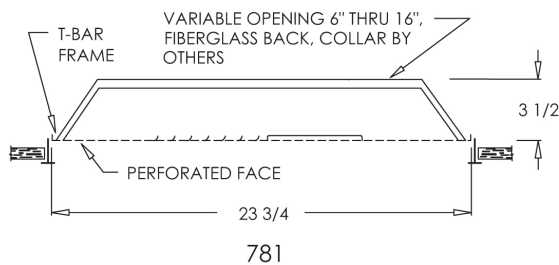
Model 780



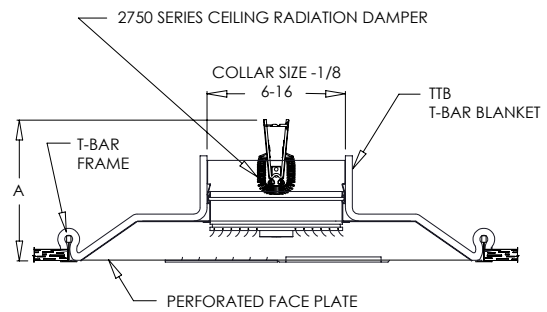
Model 780 BD



Model 781



Model 780-FR



PERFORATED T-BAR DIFFUSERS

780 Series

Perforated T-Bar with Adjustable Pattern Controllers

Model	Description
780	Hinged Perforated with Adjustable Pattern Controllers
781	Fixed Perforated Face with Adjustable Pattern Controllers Performed R6 Back
780 BD	Hinged Perforated Face Diffuse with Adjustable Pattern Controllers and Bowtie Damper
780-FR	UL Fire Resistance Classified Perforated T-Bar with Adjustable Pattern Controllers

FEATURES

- Perforated face with adjustable pattern controllers
- Spring push release hinge down face
- Steel Back Pan
- Airflow can be adjusted to 1, 2, 3 or 4-way air patterns
- 51% Free Area Perforated Face
- 2" ADC-compliant round collar with bead for ease of installation
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



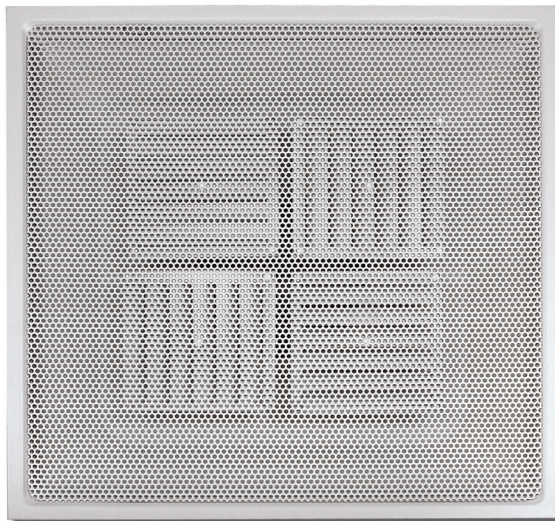
DT Driftwood Tan



BZ Bronze



BK Black



Model 780

Options

- ▶ *Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collar (collar by others). Fixed perforated face, not removable. (MODEL: 781 - not pictured)*
- ▶ *BD – Field installable Bowtie Damper, available on even sizes 6"-14"*
- ▶ *3" Premium Collar with Bead (780-3in)*
- ▶ *Square Collar*
- ▶ *Black pan – back pan powder coated black to reduce visibility into ductwork*
- ▶ *TVB – Thermal Vapor Blanket*
- ▶ *NGD – Narrow ceiling grid dimples for 5/16" T-Rails, changes O.D. to 23 23/32"*



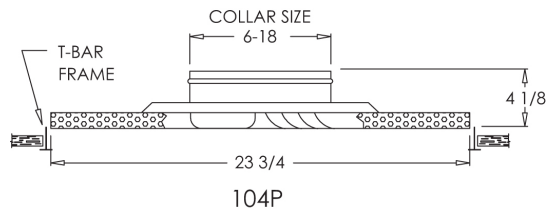
104P SERIES

Quality. Value. Performance tested.

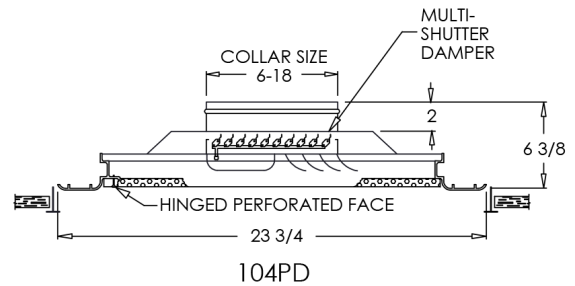
Rust-resistant pre-coat
with durable powder finish

Stamped 4-way
curved blades

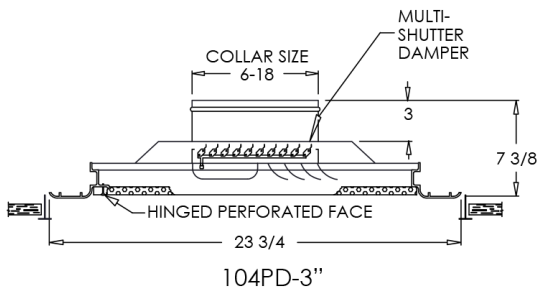
Model 104P



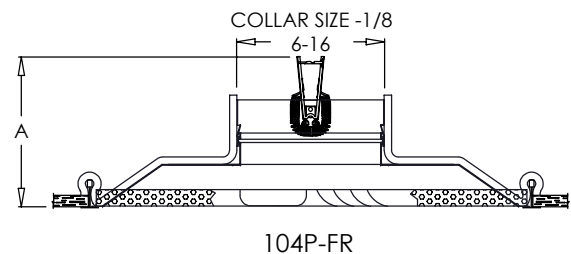
Model 104PD

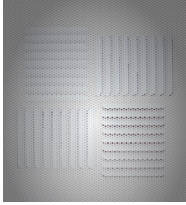


Model 104PD-3



Model 104P-FR





PERFORATED T-BAR DIFFUSERS

104P Series

Perforated Curved Blade T-Bar Diffuser

Model	Description
104P	Perforated Face Stamped Curved Blade Diffuser
104PD	Perforated Face Stamped Curved Blade Diffuser with Lever-operated MSD
104P-0	Perforated Face Stamped Curved Blade Diffuser with Lever Operated Opposed Blade Damper
104P-FR	UL Fire Resistance Classified Perforated T-Bar with Stamped Diffuser

FEATURES

- Perforated face with stamped 4-way curved blade T-Bar diffuser
- 51% Free Area Perforated Face
- 2" ADC-compliant round collar with bead for ease of installation
- Standard collar diameter is 2" smaller than face (ex. 12"×12" face has a 10" collar)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



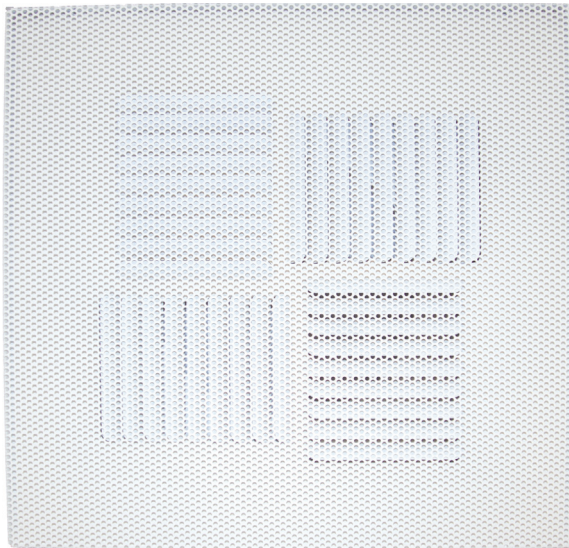
DT Driftwood Tan



BZ Bronze



BK Black



Model 104P

Options

- ▶ Square Collar
- ▶ Premium 3" round collar with bead (104P-3in)
- ▶ TVB – Thermal Vapor Blanket



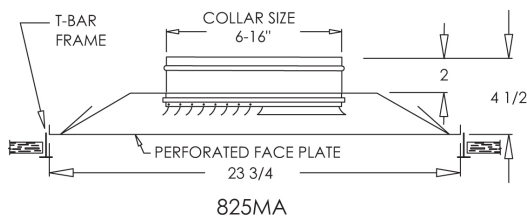
825 SERIES

Quality. Value. Performance tested.

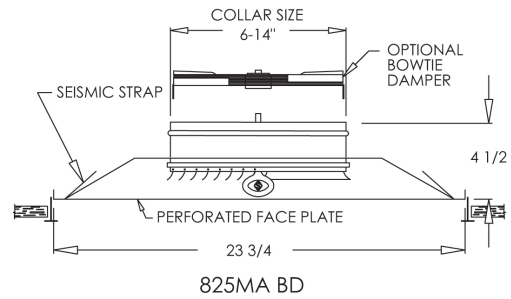
Rust-resistant pre-coat
with durable powder finish

Adjustable
blades

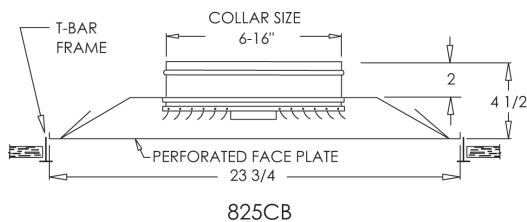
Model 825MA



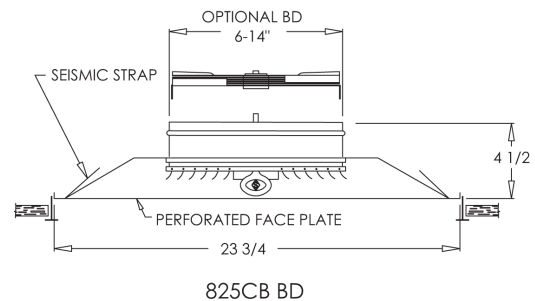
Model 825MA-BD



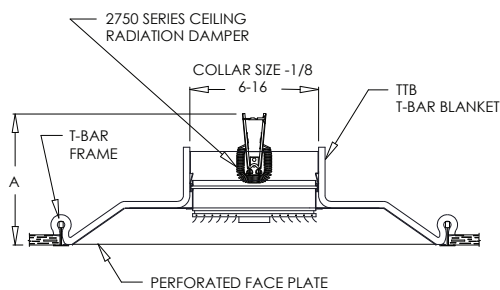
Model 825CB



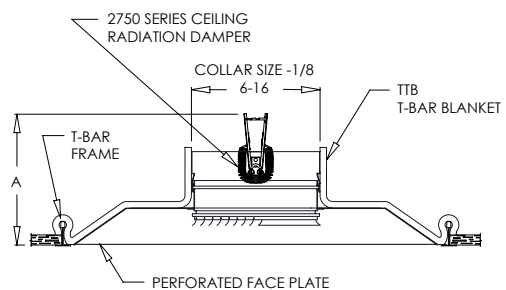
Model 825CB-BD

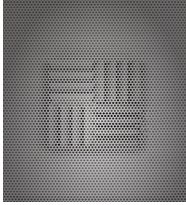


Model 825CB-FR



Model 825MA-FR





PERFORATED T-BAR DIFFUSERS

825 Series

Perforated Curved Blade T-Bar Diffuser

Model	Description
825MA	Perforated Face Neck Mounted Modular Core
825MA BD	Perforated Face Neck Mounted Modular Core with Bowtie Damper
825CB	Perforated Face Neck Mounted Adjustable Curved Blade
825CB BD	Perforated Face Neck Mounted Curved Blade with Bowtie Damper
825CB-FR	UL Fire Resistance Classified Perforated T-Bar Adjustable Curved Blade Diffuser
825MA-FR	UL Fire Resistance Classified Perforated T-Bar Modular Core Diffuser

FEATURES

- Modular core (825MA) or adjustable curved blade (825CB) diffuser
- Nylon bushings on adjustable blades prevent metal-on-metal rattle (825CB)
- Hinged perforated face with spring push release for easy access
- 51% Free Area Perforated Face
- 2" ADC-compliant round collar with bead for ease of installation
- Collar available in sizes 6"-10", 12", 14" and 16"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



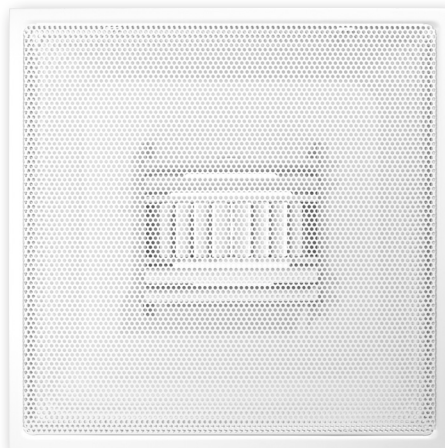
DT Driftwood Tan



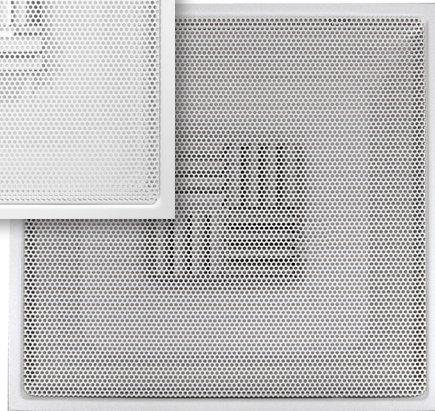
BZ Bronze



BK Black



Model 825CB



Model 825MA

Options

- ▶ Moveable modular cores (MODEL: 825MA)
- ▶ Adjustable curved blades (MODEL: 825CB)
- ▶ BD – field installable bowtie damper, available on sizes 6"–14"
- ▶ 3" Premium Collar with Bead
- ▶ Square Collar
- ▶ Black pan – back pan powder coated black to reduce visibility into ductwork
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for $\frac{1}{16}$ " T-Rails, changes O.D. to $23\frac{29}{32}$ "



825CB-SS SERIES

Quality. Value. Performance tested.

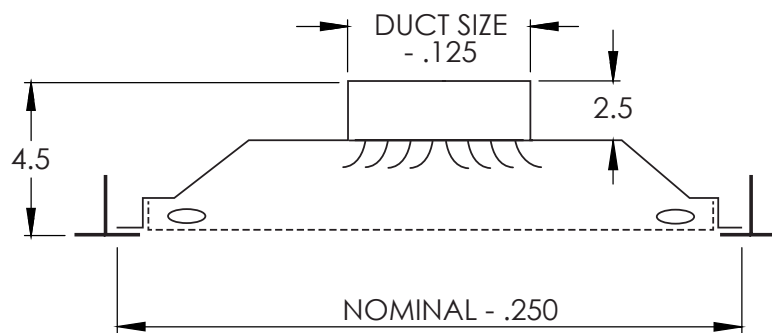
Perforated
removable face

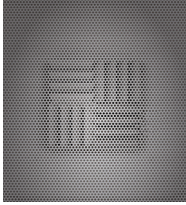


Adjustable
curved blades



Model 825CB-SS





PERFORATED T-BAR DIFFUSERS

825CB-SS Series

Perforated Adjustable Curved Blade T-Bar Diffuser

Model	Description
825BC-SS	Stainless Steel Perforated Adjustable Curved Blade T-Bar Diffuser

FEATURES

- Type 304 stainless steel
- Adjustable curved blades
- Perforated removable face
- $\frac{3}{16}$ " holes on $\frac{1}{4}$ " staggered centers
- 51% Free Area
- Available in 1, 2, 3, or 4-way air patterns
- 2 x 2 stainless steel panel
- Square to round transition collar
- Satin polished finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Available Finish • Satin polished finish



Model 825CB-SS

Options

- ▶ Type 316 stainless steel
- ▶ Aluminum Construction
- ▶ Opposed Blade Damper
- ▶ Adjustable Pattern Controllers
- ▶ Butterfly Damper
- ▶ Bowtie Damper



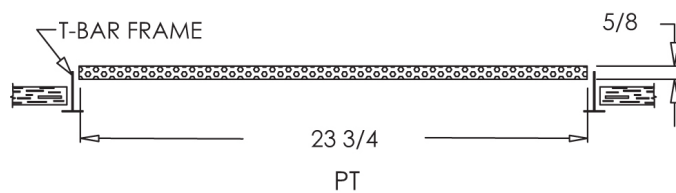
PT SERIES

Quality. Value. Performance tested.

Heavy gauge steel

Rust-resistant
pre-coat
with durable
powder finish

Model PT



PERFORATED T-BAR RETURN

PT Series

Perforated T-Bar

Model	Description
600PT	Perforated Return Grille with Frame

FEATURES

- 2x2 perforated T-Bar lay-in
- 51% Free Area Perforated Face
- 58% free area
- Heavy gauge steel
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model PT

Options

- ▶ Framed perforated T-Bar (MODEL: 600PT)
- ▶ 1x1 T-Bar
- ▶ 1x2 T-Bar
- ▶ 2x4 T-Bar



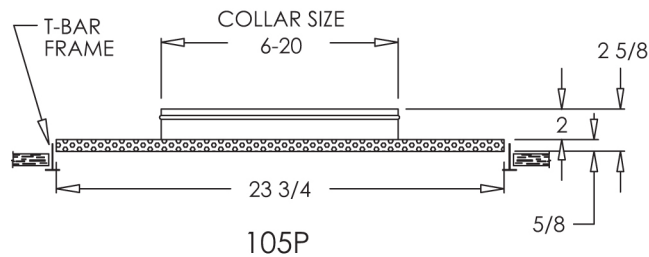
105P SERIES

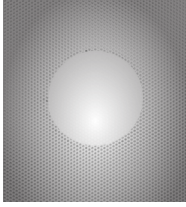
Quality. Value. Performance tested.

Rust-resistant pre-coat
with durable powder finish

Fixed
perforated face

Model 105P





PERFORATED T-BAR RETURN

105P Series

Fixed Perforated T-Bar Return Grille

Model	Description
105P	Fixed Perforated Return Grille

FEATURES

- Fixed perforated face with $\frac{3}{16}$ " holes on $\frac{1}{4}$ " staggered centers
- 51% Free Area Perforated Face
- 2" ADC-compliant round collar with bead for ease of installation
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



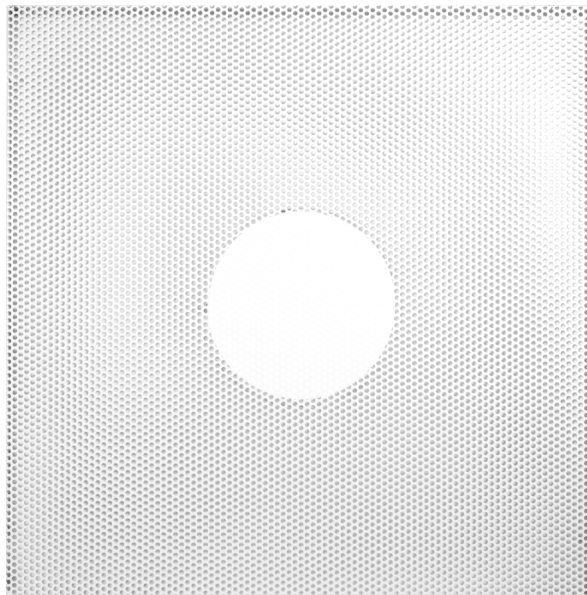
DT Driftwood Tan



BZ Bronze



BK Black



Model 105P

Options

- Square Collar
- TVB – Thermal Vapor Blanket



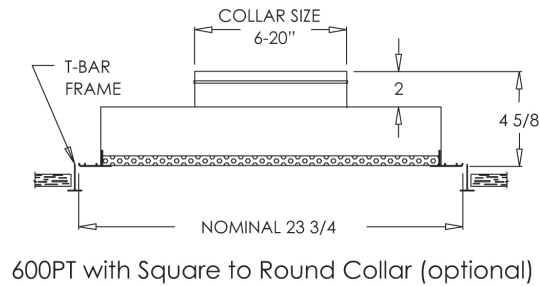
600PT SERIES

Quality. Value. Performance tested.

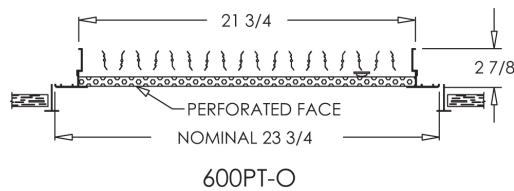
Rust-resistant
pre-coat
with durable
powder finish

Extruded
aluminum frame

Model 600PT



Model 600PT-0



PERFORATED T-BAR RETURN

600PT Series

Perforated Return T-Bar with Frame

Model	Description
600PT	Perforated Return Grille with Frame
600PT-0	Perforated Return Grille with Opposed Blade Damper

FEATURES

- 3/16" holes on 1/4" staggered centers
- Extruded aluminum frame with signature line marks
- 51% Free Area Perforated Face
- Square collar designed for 22"×22" duct
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



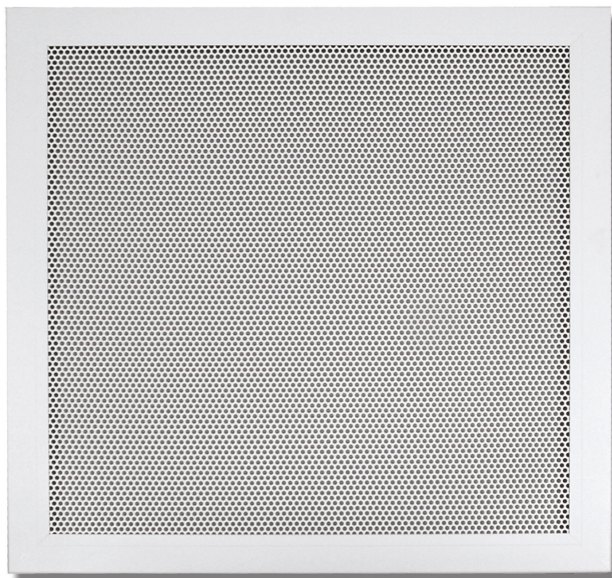
DT Driftwood Tan



BZ Bronze



BK Black



Model 600PT

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 600PT-0 - not pictured)
- ▶ Preformed, contour-molded fiberglass back with a foil barrier backing (MODEL: 600F-PT-2x2 - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead (600PT-3in)
- ▶ 1×2 T-Bar (10"×22" duct)
- ▶ 2×4 T-Bar (22"×46" duct)



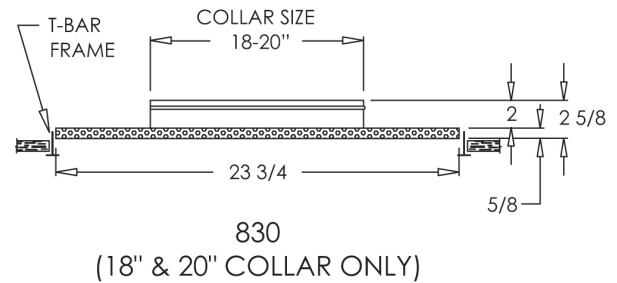
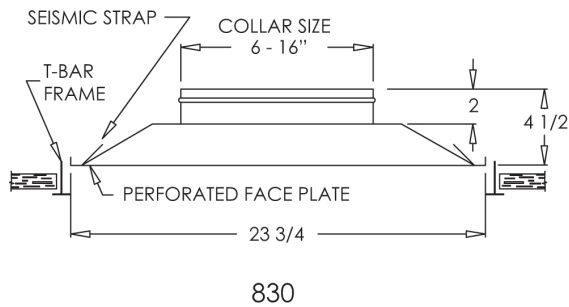
830 SERIES

Quality. Value. Performance tested.

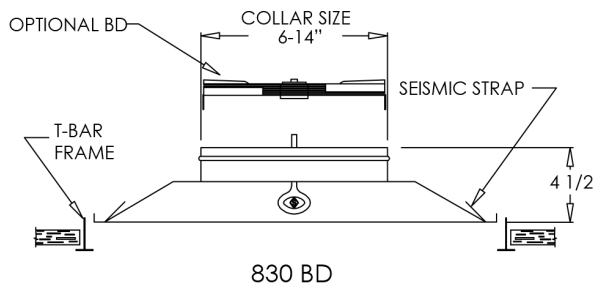
Hinged perforated face

2" ADC-compliant
round collar

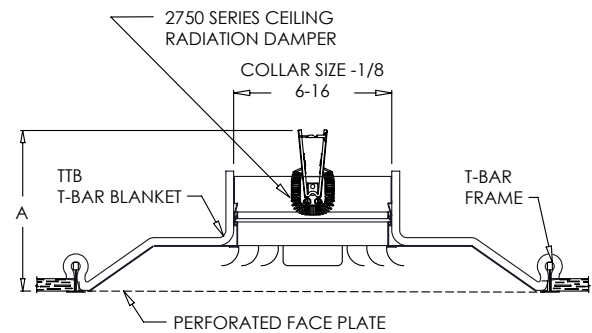
Models 830

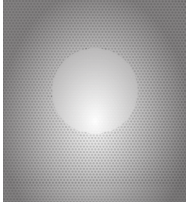


Models 830-BD



Models 830-FR





PERFORATED T-BAR RETURN

830 Series

Hinged Perforated T-Bar Return

Model	Description
830	Hinged Perforated Face Return
830-BD	BD Hinged Perforated Face Return with Bowtie Damper
830-FR	UL Fire Resistance Classified Hinged Face Perforated T-Bar Return

FEATURES

- $\frac{3}{16}$ " holes on $\frac{1}{4}$ " staggered centers
- 51% Free Area Perforated Face
- Hinged perforated face with spring push release for easy access to duct
- 2" ADC-compliant round collar with bead for ease of installation
- Collar available in sizes 6"-10" and even sizes 12"-20"

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



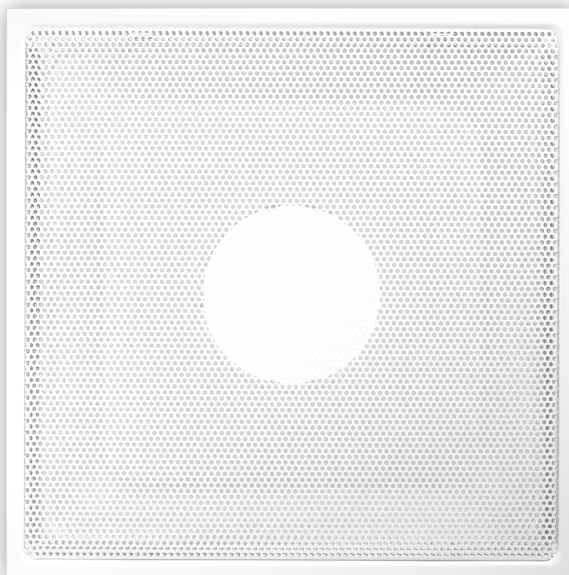
DT Driftwood Tan



BZ Bronze



BK Black



Model 830

Options

- ▶ **BD** – Field installable Bowtie Damper, available on sizes 6"-14"
- ▶ 3" Premium Collar with Bead (830-3in)
- ▶ **Square Collar**
- ▶ **Black pan** – back pan powder coated black to reduce visibility into ductwork
- ▶ **TVB** – Thermal Vapor Blanket
- ▶ **NGD** – Narrow ceiling grid dimples for $\frac{3}{16}$ " T-Rails, changes O.D. to $23\frac{29}{32}$ "



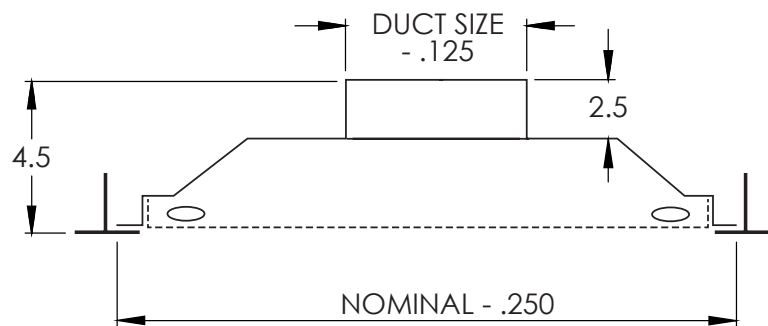
830-SS SERIES

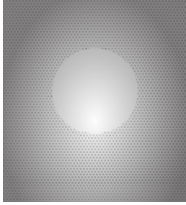
Quality. Value. Performance tested.

304 stainless steel

Perforated
removable face

Models 830-SS





PERFORATED T-BAR RETURN

830-SS Series

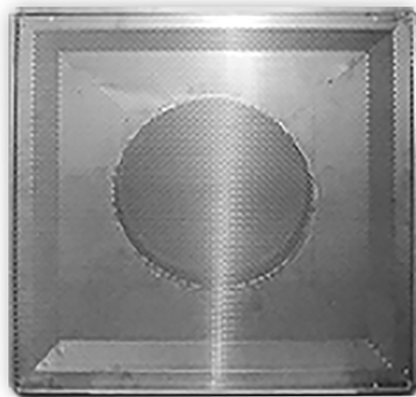
Stainless Steel Perforated T-Bar Return

Model	Description
830-SS	Perforated T-Bar Return

FEATURES

- Type 304 stainless steel
- Perforated removable face
- 3/16" holes on 1/4" staggered centers
- 51% free area
- 2 x 2 stainless steel panel
- Square to round transition collar
- Satin polished finish

Application • T-Bar lay-in ceiling
Recommended for • Commercial applications
Available Finish • Satin polished finish



Model 830-SS

Options

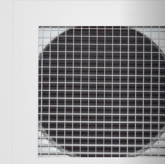
- ▶ Type 316 stainless steel
- ▶ Aluminum Construction
- ▶ Opposed Blade Damper
- ▶ 1 x 1 T-Bar
- ▶ Butterfly Damper
- ▶ Radial Damper
- ▶ Powder coat finish



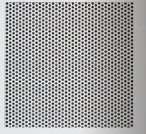
700-600 SERIES

Quality. Value. Performance tested.

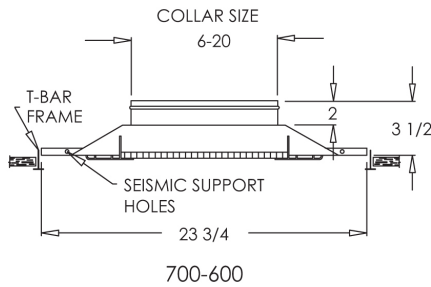
Lattice Face



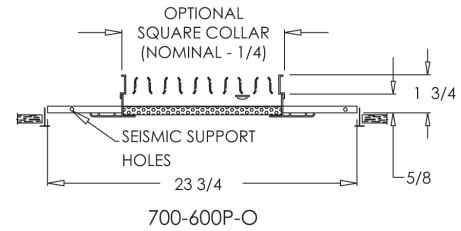
Perforated Face



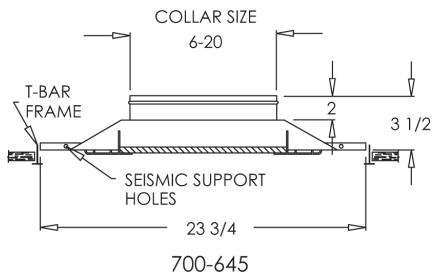
Model 700-600



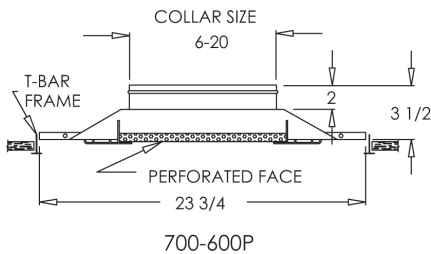
Model 700-600-0



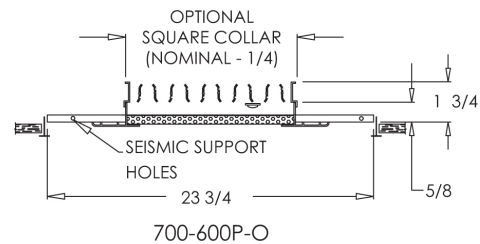
Model 700-645

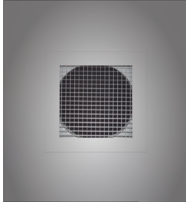


Model 700-600P



Model 700-600P-0





LATTICE T-BAR RETURN

700-600 Series

Lattice and Perforated Face Grille in T-Bar Panel

Model	Description
700-600	Aluminum Lattice Return Grille
700-600-0	Aluminum Lattice Return Grille with Opposed Blade Damper
700-645	45° Aluminum Lattice Return Grille
700-600P	Perforated Return Grille
700-600P-0	Perforated Return Grille with Opposed Blade Damper

FEATURES

- Adjustable modular cores with fixed curved blade
- Maintains horizontal airflow pattern
- 2" ADC-compliant round collar with bead for ease of installation
- Standard collar diameter is the same as the diffuser size
- Diffuser available in sizes 6"x6" through 20"x20"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



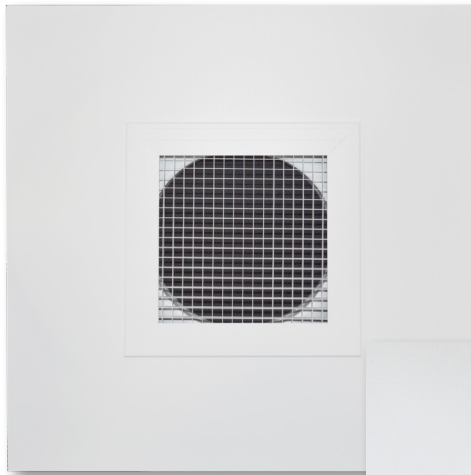
BZ Bronze



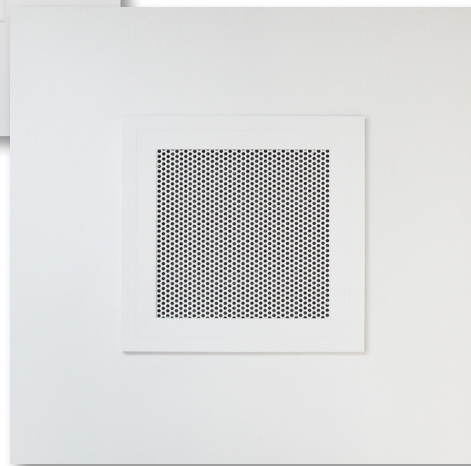
BK Black

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 700-600P-0)
- ▶ 3" Premium Collar with Bead
- ▶ Square Collar
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for 1/16" T-Rails, changes O.D. to 23 29/32"



Model 700-600



Model 700-600P



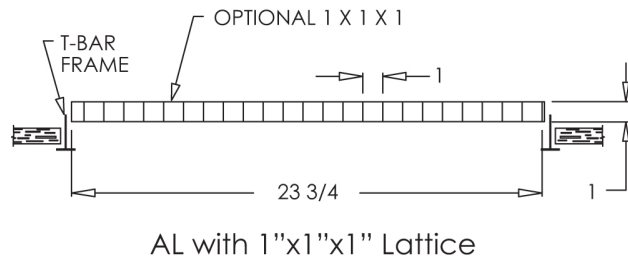
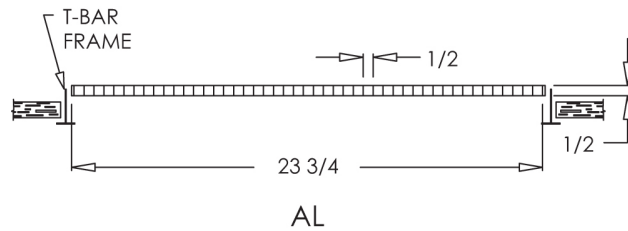
AL SERIES

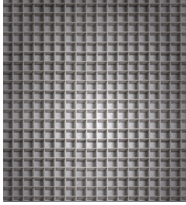
Quality. Value. Performance tested.

90% free area

Lattice grille

Model AL





LATTICE T-BAR RETURN

AL Series

Aluminum Lattice Return T-Bar

Model	Description
AL	Aluminum Lattice Return Grille T-Bar

FEATURES

- Aluminum lattice T-Bar lay-in return air grille
- 1/2"x1/2"x1/2" lattice
- 90% free area

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



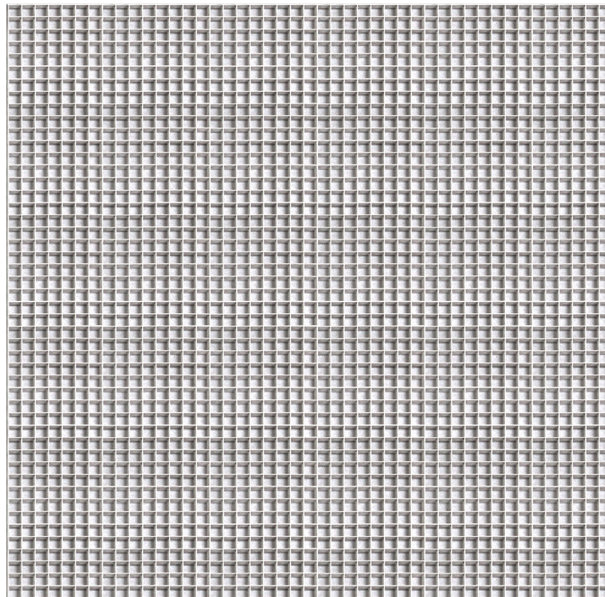
DT Driftwood Tan



BZ Bronze



BK Black



Options

- ▶ 1/2"x1/2"x1" Lattice
- ▶ 1"x1"x1" Lattice

Grid Size

- ▶ 1x1 T-Bar
- ▶ 1x2 T-Bar
- ▶ 2x4 T-Bar
- ▶ 2"x2" T-Bar

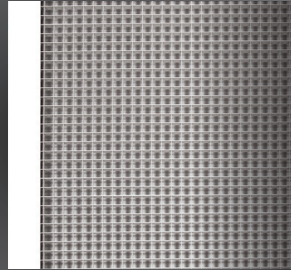
Model AL



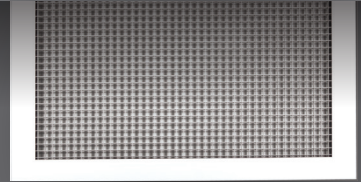
600T SERIES

Quality. Value. Performance tested.

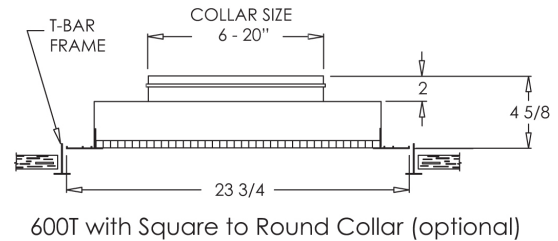
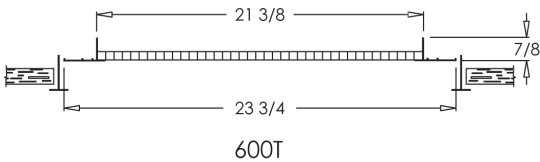
Lattice material
90% free area



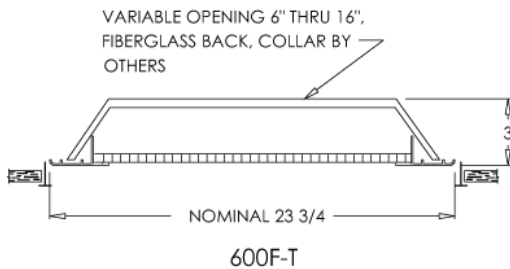
Extruded
aluminum frame



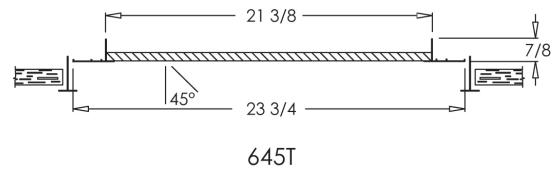
Model 600T



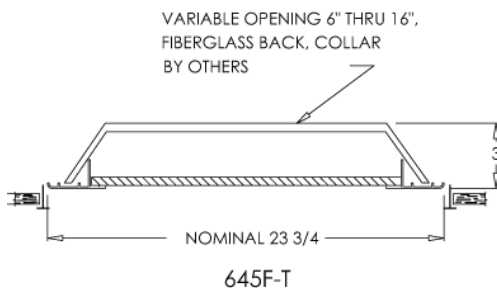
Model 600F-T



Model 645T



Model 645F-T



LATTICE T-BAR RETURN

600T Series

Aluminum Lattice Return Grille T-Bar with Frame

Model	Description
600T	Aluminum Lattice Return Grille
600T-0	Aluminum Lattice Return Grille with Opposed Blade Damper
600F-T	Aluminum Lattice Return Grille with Performed, Contour-Molded Fiberglass Back
645T	45° Aluminum Lattice Return Grille
645T-0	45° Aluminum Lattice Return Grille with Opposed Blade Damper
645F-T	45° Aluminum Lattice Return Grille with Performed, Contour-Molded Fiberglass Back

FEATURES

- 1/2"x1/2"x1/2" Aluminum lattice T-Bar lay-in return air grille
- Extruded aluminum frame with signature line marks
- Lattice material 90% free area
- Square collar designed for 22"x22" duct
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



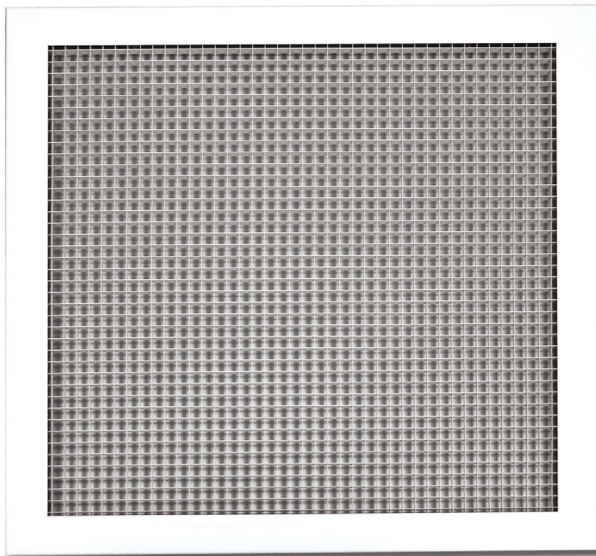
DT Driftwood Tan



BZ Bronze



BK Black



Model 600T

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 600T-0)
- ▶ 1/2"x1/2"x1/2" 45° aluminum lattice (MODEL: 645T - not pictured)
- ▶ Preformed, contour-molded fiberglass back with a foil barrier backing (MODEL: 600F-PT-2"x2" - not pictured)
- ▶ 45° aluminum lattice with Fiberglass Back Plenum (MODEL: 645F-T - not pictured)
- ▶ 1/2"x1/2"x1" Lattice
- ▶ 1"x1"x1" Lattice
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead
- ▶ 1x1 T-Bar (10"x10" duct)
- ▶ 1x2 T-Bar (10"x22" duct)
- ▶ 2x4 T-Bar (22"x46" duct)



915T SERIES

Quality. Value. Performance tested.

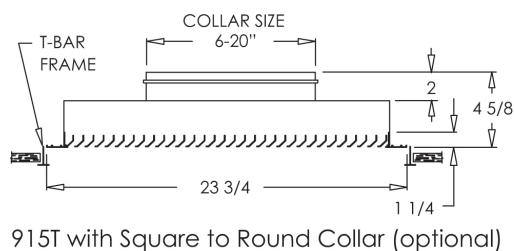
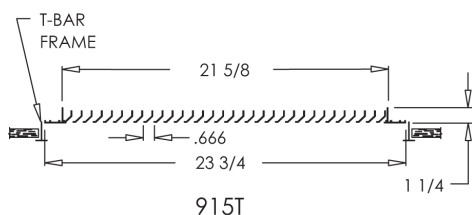
Rust-resistant
pre-coat
with durable
powder finish



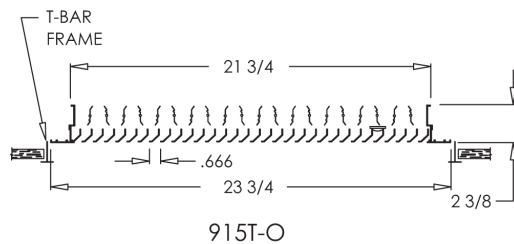
Extruded
aluminum frame



Model 915T



Model 915T-0





FIXED BLADE T-BAR RETURN

915T Series

Fixed 45° Blade T-Bar Return Grille

Model	Description
915T	Fixed 45° Steel Blade Return Grille
915T-0	Fixed 45° Steel Blade Return Grille Opposed Blade Damper

FEATURES

- Designed to minimize vision into duct
- Center margins are mounted on backside of grille for streamlined look
- Extruded Aluminum fix bar blades at 45°
- Extruded aluminum frame with signature line marks
- Concealed center margin on large sizes
- Square collar designed for 22"×22" duct
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 915

Options

- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead (915T-3in)
- ▶ 1×2 T-Bar (10"×22" duct)
- ▶ 2×4 T-Bar (22"×46" duct)
- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 915T-0 - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 1×2 T-Bar (10"×22" duct)
- ▶ 2×4 T-Bar (22"×46" duct)



905T SERIES

Quality. Value. Performance tested.

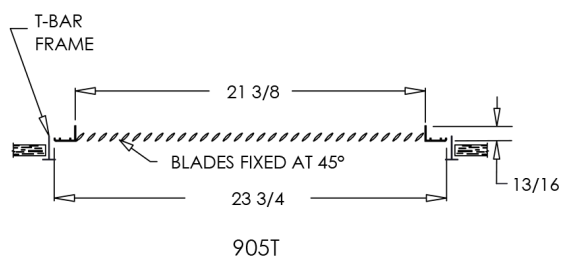
Rust-resistant
pre-coat
with durable
powder finish



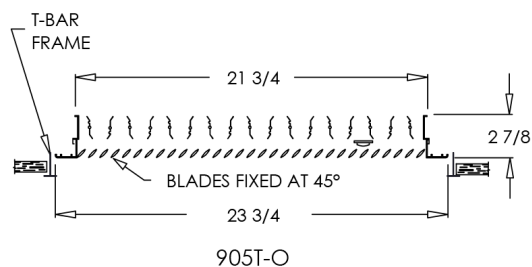
Extruded
aluminum frame



Model 905T



Model 905T-0





FIXED BLADE T-BAR RETURN

905T Series

Fixed 45° Blade T-Bar Return Grille

Model	Description
905T	Fixed 45° Steel Blade Return Grille
905T-0	Fixed 45° Steel Blade Return Grille Opposed Blade Damper

FEATURES

- Fixed 45° aluminum airfoil blade T-Bar lay-in return air grille
- Extruded aluminum frame with signature line marks
- Square collar designed for 22"×22" duct
- Rust resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 905T

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 905T-0)
- ▶ 2" ADC compliant round collar with bead for ease of installation
- ▶ Premium 3" round collar with bead (905T-3in)
- ▶ 1×2 T-Bar (10"×22" duct)
- ▶ 2×4 T-Bar (22"×46" duct)



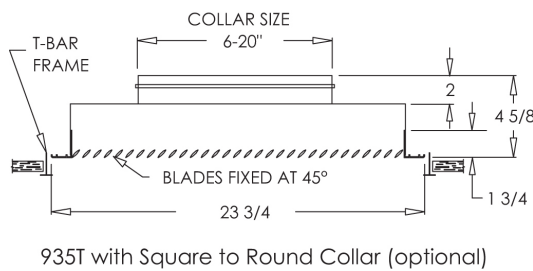
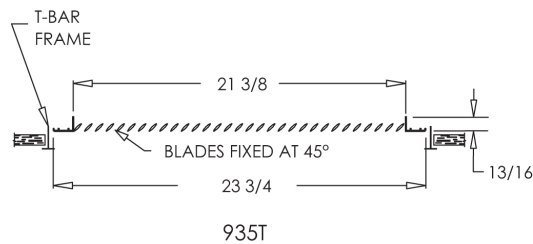
935T SERIES

Quality. Value. Performance tested.

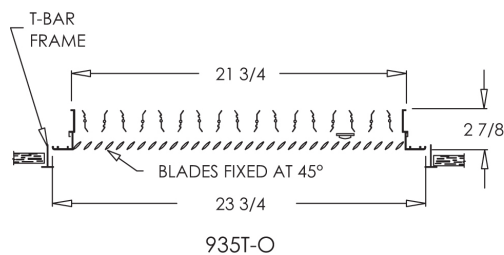
Rust-resistant
pre-coat
with durable
powder finish

Extruded
aluminum frame

Model 935T



Model 935T-0





FIXED BLADE T-BAR RETURN

935T Series

Fixed 45° Steel Blade T-Bar Return Grille

Model	Description
935T	Fixed 45° Steel Blade T-Bar Return Grille
935T-0	Fixed 45° Steel Blade T-Bar Return Grille Opposed Blade Damper

FEATURES

- Fixed 45° steel blade T-Bar lay-in return grille
- Extruded aluminum frame with signature line marks
- Square collar designed for 22"×22" duct
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 935T

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 935T-0 - not pictured)
- ▶ Fixed 45° airfoil blades (MODEL: 905T - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead (935T-3in)
- ▶ 1×2 T-Bar (10"×22" duct)
- ▶ 2×4 T-Bar (22"×46" duct)



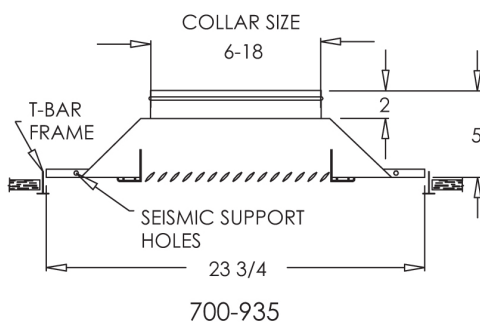
700-935 SERIES

Quality. Value. Performance tested.

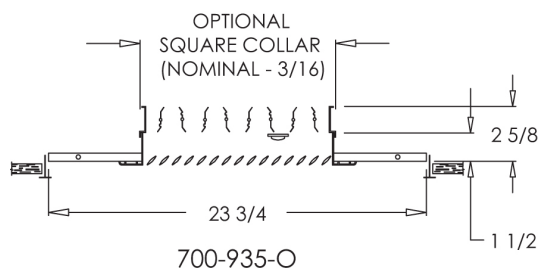
Fixed 45° blade
return

Rust-resistant pre-coat with
durable powder finish

Model 700-935



Model 700-935-0





FIXED BLADE T-BAR RETURN

700-935 Series

Fixed 45° Blade Return Grille in T-Bar Panel

Model	Description
700-935	Fixed 45° Blade Return Grille in T-Bar Panel

FEATURES

- Fixed 45° blade return grille
- Extruded aluminum frame with signature line marks fixed in a T-Bar panel
- 2" ADC-compliant round collar with bead for ease of installation
- Grille available in sizes 6"×6" to 18"×18"
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 700-900

Options

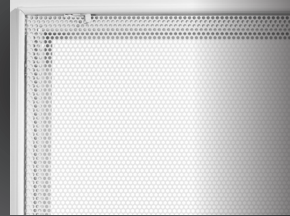
- ▶ Recessed screwdriver operated Opposed Blade Damper (MODEL: 700-935-0 - not pictured)
- ▶ 3" Premium Collar with Bead (700-935-3in)
- ▶ Square collar
- ▶ TVB – Thermal Vapor Blanket
- ▶ NGD – Narrow ceiling grid dimples for 5/16" T-Rails, changes O.D. to 23 29/32"



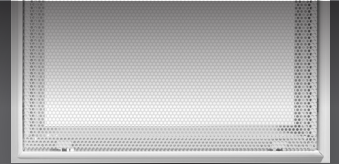
105PTFG SERIES

Quality. Value. Performance tested.

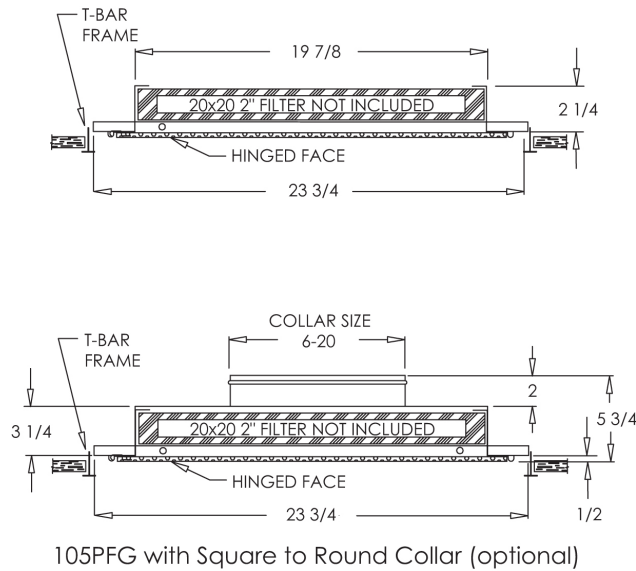
Perforated
hinged
removable face



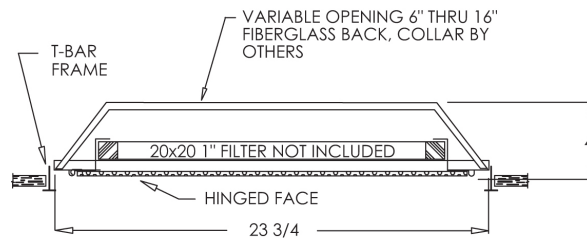
Holds up to a two-inch filter
with that soft return



Model 105PTFG



Model 106PTFG



PERFORATED T-BAR FILTER GRILLE

105PTFG Series Perforated Face T-Bar Return Filter Grille

Model	Description
105PTFG	Perforated Face Return Filter Grille
106PTFG	Perforated Face Filter Grille with Preformed, Contour-Molded Fiberglass Back

FEATURES

- Perforated hinged removable face
- 3/16" holes on 1/4" staggered centers
- Face set in an outer T-Bar filter grille frame
- Hand-operated lever for easy filter access
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



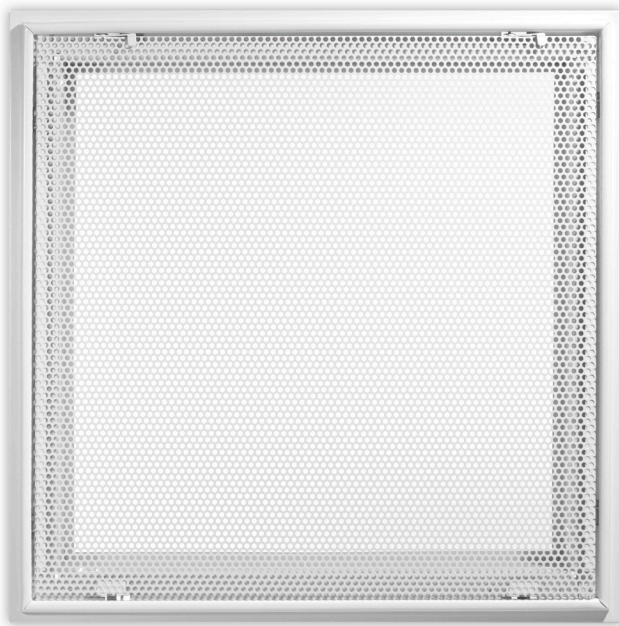
DT Driftwood Tan



BZ Bronze



BK Black



Model 105PTFG

Options

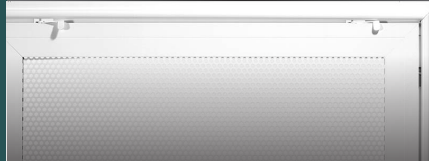
- ▶ *Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collar (collar by others). Holds up to 1" filter.*
- ▶ *(MODEL: 106PTFG - not pictured)*
- ▶ *2" ADC-compliant round collar with bead for ease of installation*
- ▶ *3" Premium Collar with Bead*



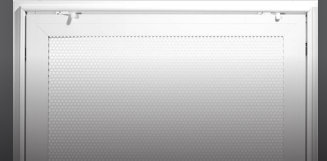
620PTFG SERIES

Quality. Value. Performance tested.

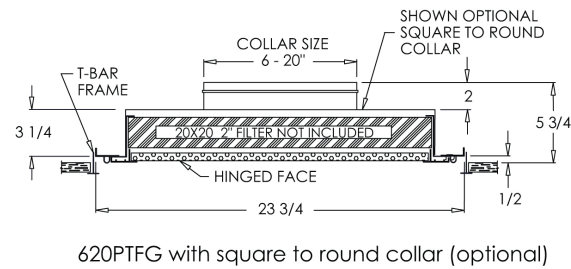
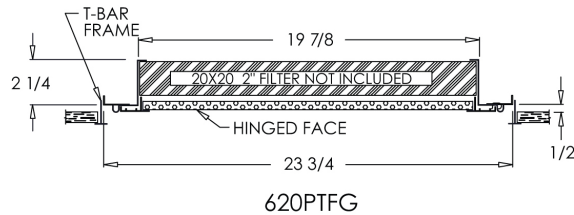
Removable extruded aluminum face frame



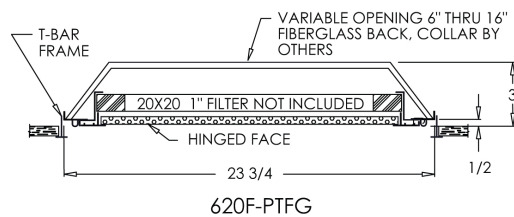
Hand-operated lever for easy filter access



Model 620PTFG



Model 620F-PTFG



PERFORATED T-BAR FILTER GRILLE

620PTFG Series

Perforated Face T-Bar Return Filter Grille with Frame

Model	Description
620PTFG	Perforated Face Return Filter Grille with Frame
620F-PTFG	Perforated Face Return Filter Grille with Preformed, Contour-Molded Fiberglass Back

FEATURES

- 51% Free Area Perforated Face
- Hinged removable extruded aluminum face frame with signature line marks
- face set in a steel outer T-bar filter grille frame
- Hand-operated lever for easy filter access
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



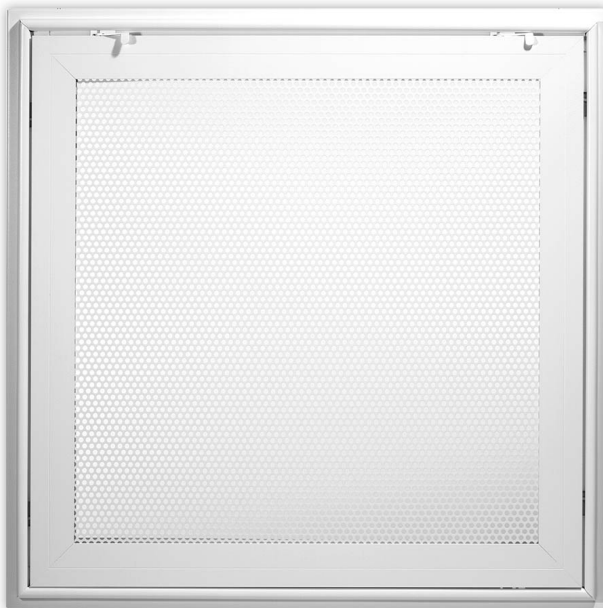
DT Driftwood Tan



BZ Bronze



BK Black



Model 620PTFG

Options

- ▶ Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collar (collar by others). Holds up to 1" filter. (MODEL: 620F-PTFG1-2x2 - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead
- ▶ 3" Premium Collar with Bead
- ▶ 1×2 T-Bar (8"×20" duct)
- ▶ 2×4 T-Bar (20"×44" duct)



620TFG SERIES

Quality. Value. Performance tested.

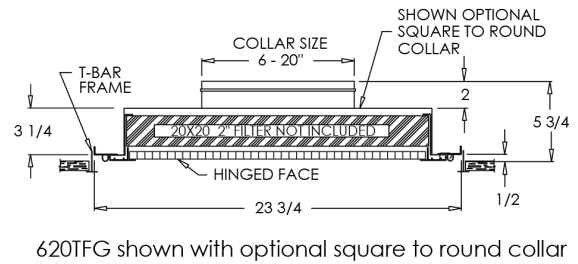
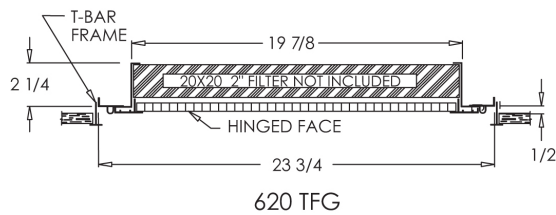


Lattice Face

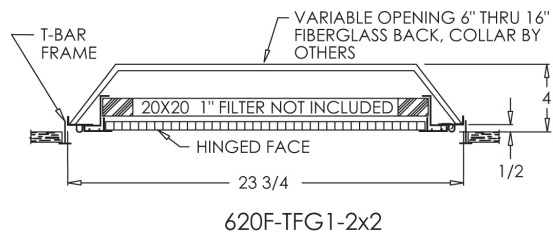


Hand-operated lever
for easy filter access

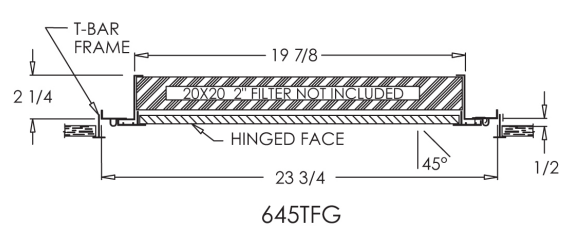
Model 620TFG



Model 620FTFG



Model 645TFG



LATTICE T-BAR FILTER GRILLE

620TFG Series

Aluminum Lattice T-Bar Return Filter Grille

Model	Description
620TFG	Aluminum Lattice Return Filter Grille
620FTFG	Aluminum Lattice Return Filter Grille with Performed, Contour-Molded Fiberglass Back
645TFG	45° Aluminum Lattice Return Filter Grille

FEATURES

- 1/2"×1/2"×1/2" aluminum lattice
- Hinged removable extruded aluminum face frame with signature line marks
- Face set in an outer T-Bar filter grille frame
- Hand-operated lever for easy filter access
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



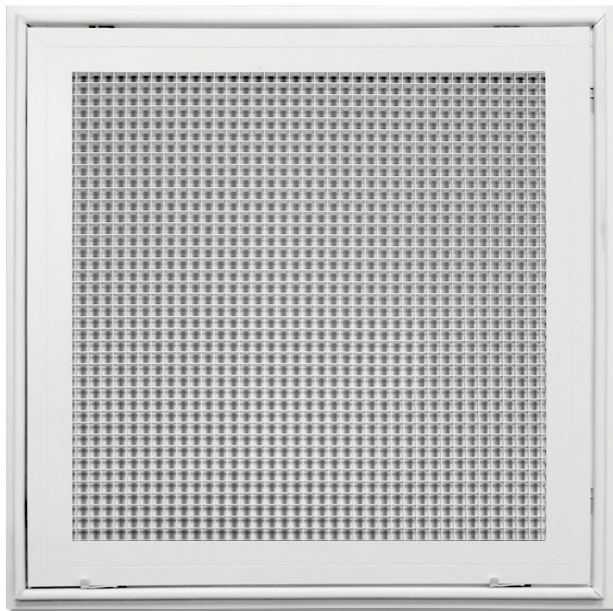
DT Driftwood Tan



BZ Bronze



BK Black



Model 620TFG

Options

- ▶ 1/2"×1/2"×1/2" 45° aluminum lattice (MODEL: 645TFG - not pictured)
- ▶ Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collar (collar by others). Holds up to 1" filter. (MODEL: 620F-TFG1-2×2 - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 1×2 T-Bar (8"×20" duct)
- ▶ 2×4 T-Bar (20"×44" duct)



935TFG SERIES

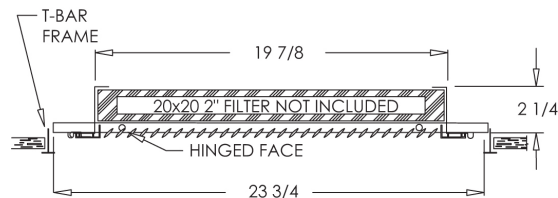
Quality. Value. Performance tested.



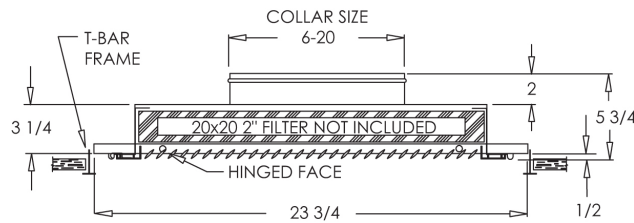
Hand-operated lever for easy filter access

Fixed 45° steel blades

Model 935TFG

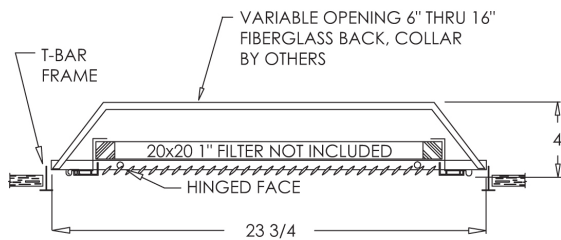


935TFG



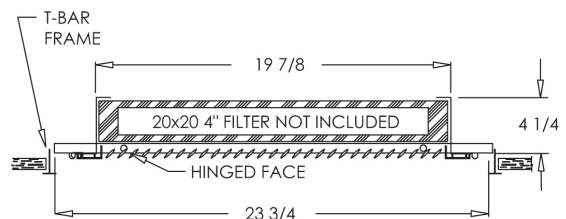
935TFG with Square to Round Collar (optional)

Model 935F-TFG



935F-TFG

Model 935TFG4



935TFG4



LATTICE T-BAR FILTER GRILLE

935TFG Series

Fixed 45° Steel Blade T-Bar Return Filter Grille

Model	Description
935TFG	Fixed 45° Steel Blade Return Filter Grille
935F-TFG	Fixed 45° Steel Blade Return Filter Grille with Preformed, Contour-Molded Fiberglass Back
935TFG4	Fixed 45° Steel Blade Return Filter Grille Holds 4" Filter

FEATURES

- Fixed 45° steel blades
- Hinged removable extruded aluminum face frame with signature line marks
- Face set in an outer T-Bar filter grille frame
- Hand-operated lever for easy filter access
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 935TFG

Options

- ▶ Holds up to 4" filter (not included)
- ▶ (MODEL: 935TFG4 - not pictured)
- ▶ Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collar (collar by others). Holds up to 1" filter. (MODEL: 935F-TFG - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead
- ▶ 1×2 T-Bar (8"×20" duct)
- ▶ 2×4 T-Bar (20"×44" duct)



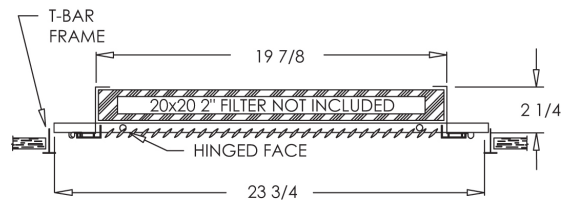
905TFG SERIES

Quality. Value. Performance tested.

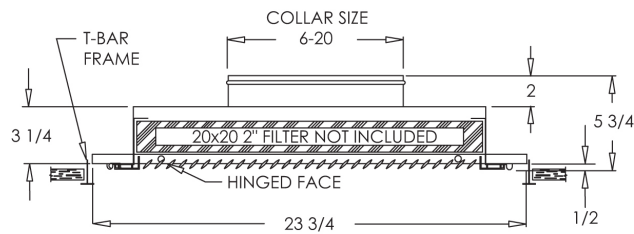
Fixed 45°
aluminum
airfoil blades

Hand-operated lever
for easy filter access

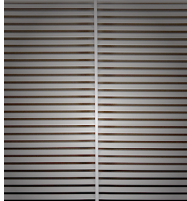
Model 905TFG



905TFG



905TFG with Square to Round Collar (optional)



FIXED BLADE T-BAR FILTER GRILLE

905TFG Series

Fixed 45° Airfoil Blade T-Bar Return Filter Grille

Model	Description
905TFG	Fixed 45° Airfoil Blade Return Filter Grille

FEATURES

- Fixed 45° aluminum airfoil blades
- Hinged removable extruded aluminum face frame with signature line marks
- Face set in an outer T-Bar filter grille frame
- 1" Filter rack - All aluminum construction
- 2" Filter rack - Steel outer frame
- 4" Filter rack - steel outer frame
- Hand-operated lever for easy filter access
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 905TFG

Options

- ▶ Holds up to 4" filter
(MODEL: 905TFG4 - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead
- ▶ 1×2 T-Bar (8"×20" duct)
- ▶ 2×4 T-Bar (22"×46" duct)



915TFG SERIES

Quality. Value. Performance tested.

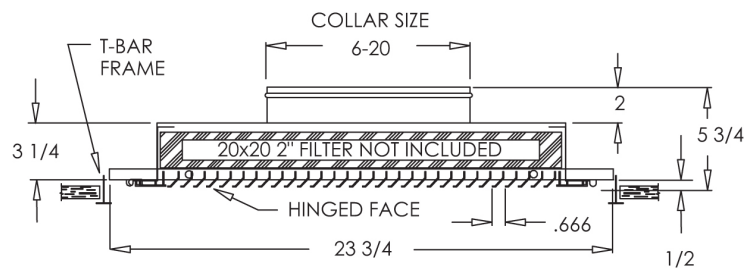
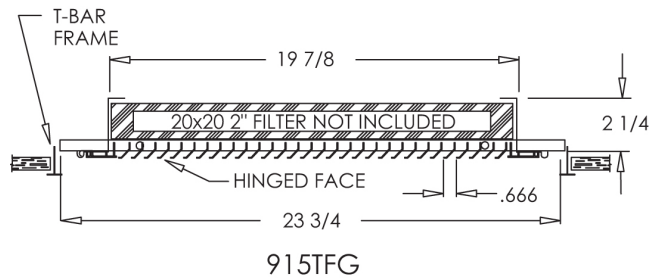


Design conceals
filter from view



Fixed 45°
extruded
aluminum
bar blades

Model 915TFG



915TFG with Square to Round Collar (optional)



FIXED BLADE T-BAR FILTER GRILLE

915TFG Series

Fixed 45° Bar T-Bar Return Filter Grille

Model	Description
915TFG	Fixed 45° Bar Return Filter Grille

FEATURES

- Fixed 45° extruded aluminum bar blades
- Hinged removable extruded aluminum face frame with signature line marks
- 1" Filter rack - All aluminum construction
- 2" Filter rack - Steel outer frame
- 4" Filter rack - steel outer frame
- Face set in an outer T-Bar filter grille frame
- Hand-operated lever for easy filter access
- Center margins are mounted on the backside of the grille for a streamlined continuous look
- Design conceals filter from view
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 915TFG

Options

- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" Premium Collar with Bead
- ▶ 1×2 T-Bar (8"×20" duct)
- ▶ 2×4 T-Bar (20"×44" duct)



105TFG SERIES

Quality. Value. Performance tested.

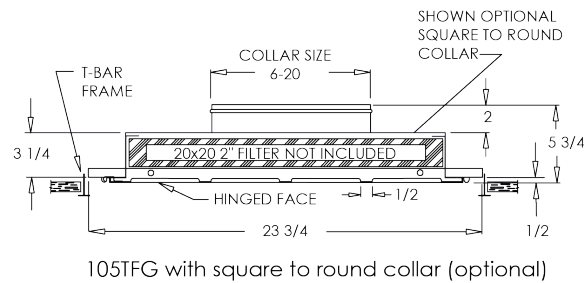
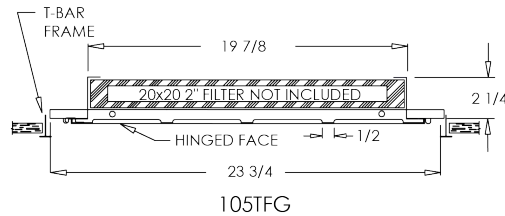


Hinged removable face

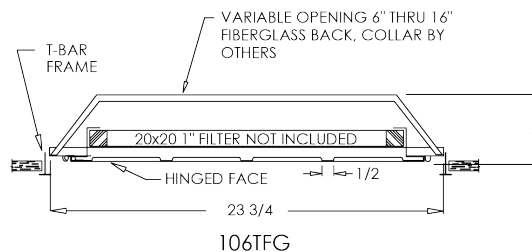


Stamped louver

Model 105TFG



Model 106TFG





LOUVERED T-BAR FILTER GRILLE

105TFG Series

Stamped Face T-Bar Return Filter Grille

Model	Description
105TFG	Stamped Face Return Filter Grille
106TFG	Stamped Face Return Filter Grille with Preformed, Contour-Molded Fiberglass Back

FEATURES

- Stamped dual angular louvers with 1/2" spacing for strength and maximum free area
- Hinged removable face set in an outer T-Bar filter frame
- Hand-operated lever for easy filter access
- Square collar designed for 20"×20" duct
- Holds up to a 2" filter (not included)
- Rust-resistant pre-coat with durable powder finish

Application • T-Bar lay-in ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



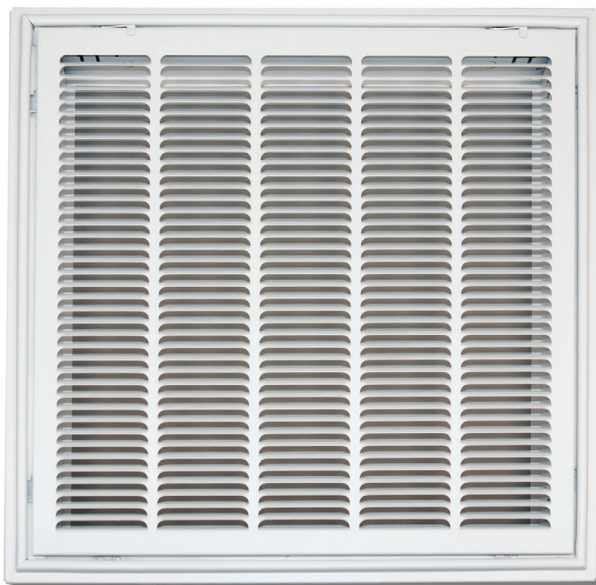
DT Driftwood Tan



BZ Bronze



BK Black



Model 105TFG

T-BAR

- *Preformed, contour-molded fiberglass back with a foil barrier backing, accepts 6"-16" collars (collars by others). Holds up to 1" filter. (MODEL: 106TFG - not pictured)*
- *2" ADC-compliant round collar with bead for ease of installation*



CB SERIES

Quality. Value. Performance tested.

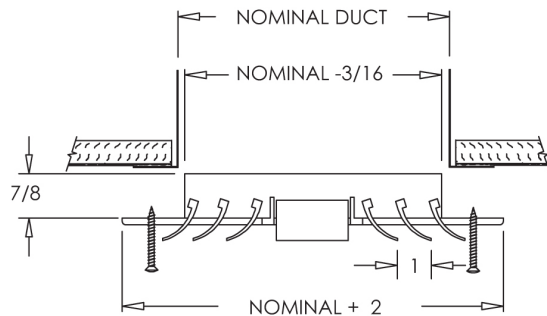
Adjustable
aluminum
curved
blades



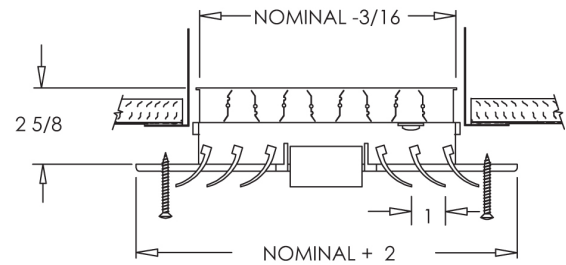
Eighteen
air patterns
available



Model CB40



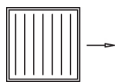
Model CB4-0



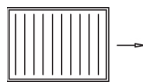
4-Way throw model shown, all dimensions are typical for 1-Way, 2-Way, and 3-Way throw models.

Air Patterns:

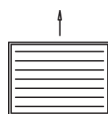
10A



10B



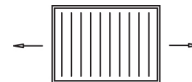
10C



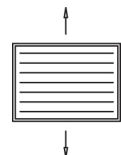
20A



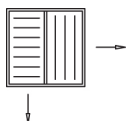
20B



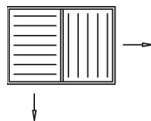
20C



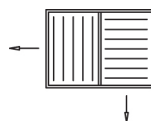
20D



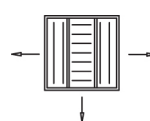
20E



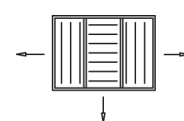
20F



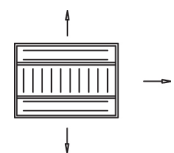
30A



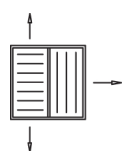
30B



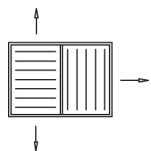
30C



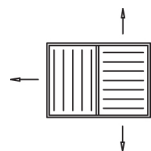
30D



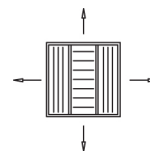
30E



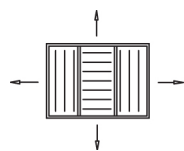
30F



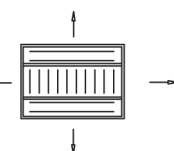
40A



40B



40C





CURVED BLADE CEILING DIFFUSERS

CB Series

Adjustable Aluminum Curved Blade Diffuser

Model	Description
CB10	Adjustable Curve Blade 1-Way
CB10-0	Adjustable Curve Blade 1-Way with OBD
CB20	Adjustable Curve Blade 2-Way
CB20-0	Adjustable Curve Blade 2-Way with OBD
CB30	Adjustable Curve Blade 3-Way
CB30-0	Adjustable Curve Blade 3-Way with OBD
CB40	Adjustable Curve Blade 4-Way
CB40-0	Adjustable Curve Blade 4-Way with OBD

FEATURES

- Aluminum construction
- Individually adjustable curved blades
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Extruded aluminum surface mount frame with signature line marks
- Eighteen air patterns
- Countersunk mounting holes for flush appearance with color matching Philips posi-drive screws
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



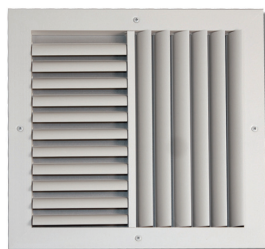
BZ Bronze



BK Black



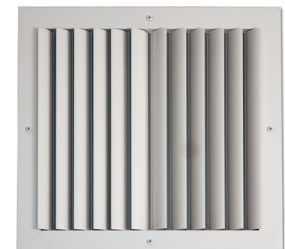
Model CB10



Model CB20-D



Model CB20-F



Model CB20-B



Model CB30



Model CB40

Options:

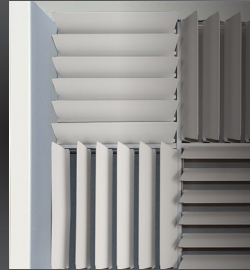
- ▶ Steel construction in three or four way air pattern with lever operated multi-shutter damper. See website for more details. (MODEL: SCB)
- ▶ 2" ADC-compliant round collar with bead for ease of installation – available in square sizes only
- ▶ 3" collar with bead option
- ▶ Optional square-to-round with 2" beaded ADC-compliant collar.
- ▶ T-20 Tamper Proof Screws
- ▶ Optional T-20 tamper proof screws
- ▶ Optional opposed blade damper with recessed screwdriver adjustment.



MA SERIES

Quality. Value. Performance tested.

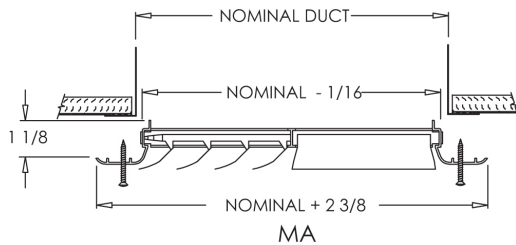
Adjustable
modular cores
with fixed
curved blades
(MA Model)



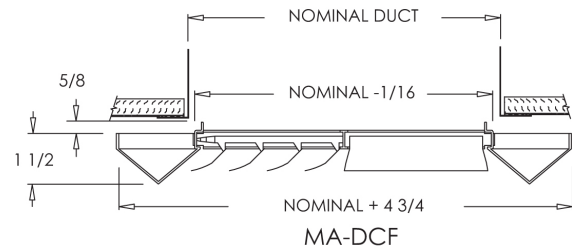
Opposed
Blade Damper
available



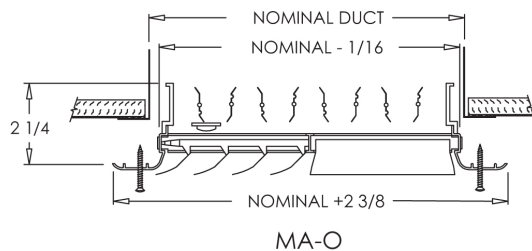
MA/MCB



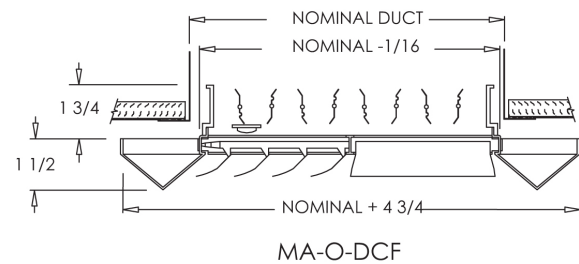
MA-DCF/MCB-DCF



MA-O/MCB-O



MA-O-DCF/MCB-O-DCF





MODULAR CORE CEILING DIFFUSERS

MA Series

Modular Core Diffuser

Model	Description
MA	Fixed Curved Blades
MA-DCF	Fixed Curved Blades Deep Ceiling Frame
MA-0	Fixed Curved Blades with OBD
MA-0-DCF	Fixed Curved Blades Deep Ceiling Frame with OBD

FEATURES

- Modular cores with fixed or individually adjustable blades
- Extruded aluminum surface mount frame with signature line marks
- Only offered in square sizes
- Countersunk mounting holes for flush appearance with color matching Philips posi-drive screws
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



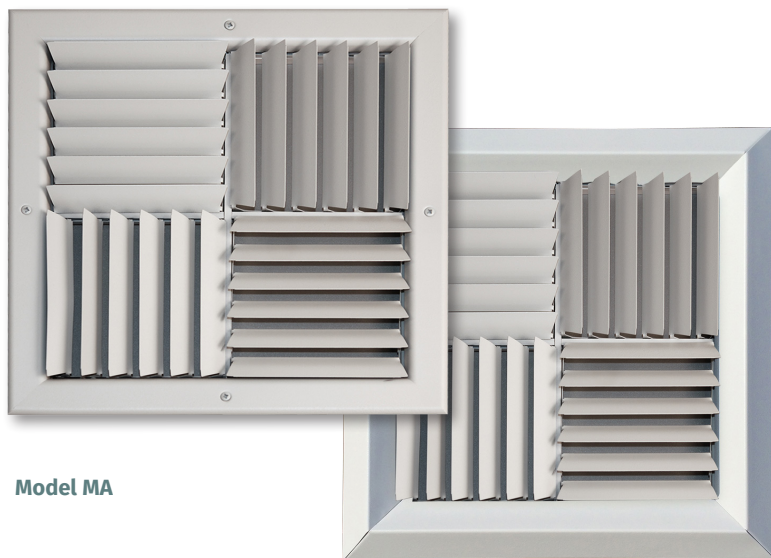
DT Driftwood Tan



BZ Bronze



BK Black



Model MA

Model MA-DCF

Options:

- ▶ *Optional Concealed Mounting*
- ▶ *Modular Cores with Individually Adjustable Curved Blades*
- ▶ *Deep Ceiling Frame (steel) With Concealed Mounting Holes*
- ▶ *Concealed Mounting Holes Recessed Screwdriver Operated Opposed Blade Damper*
- ▶ *2" ADC-Compliant Round Collar with Bead for Ease of Installation – Available in Square Sizes Only*
- ▶ *3" collar with bead option*
- ▶ *T-20 Tamper Proof Screws*



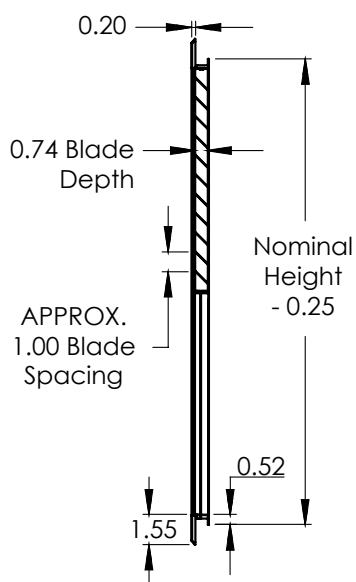
MA-SS SERIES

Quality. Value. Performance tested.

Fixed louvered
air pattern

Countersunk
mounting holes

Model MA-SS





MODULAR CORE CEILING DIFFUSERS

MA-SS Series

Stainless Steel Surface Mount Fixed Pattern Ceiling Diffuser

Model	Description
MA-SS	Fixed Pattern Ceiling Diffuser

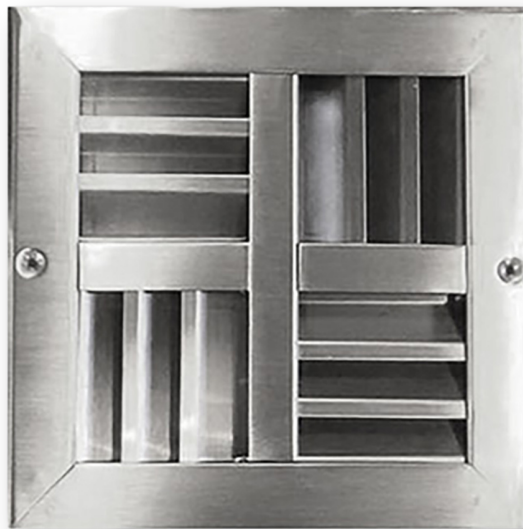
FEATURES

- Type 304 stainless steel
- Fixed louvered air pattern
- Five air patterns available
- Countersunk mounting holes for flush appearance with stainless sheet metal screws
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Available Finish • Satin polished finish



Model MA-SS

Options:

- ▶ Type 316 stainless steel
- ▶ Opposed blade damper
- ▶ Square to round transition collar
- ▶ T-Bar application
- ▶ Tamper Proof Screws – stainless steel Torx Center Pin



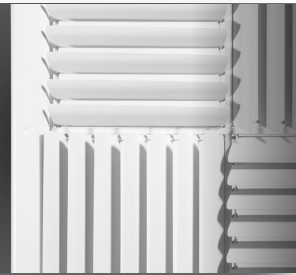
MCB SERIES

Quality. Value. Performance tested.

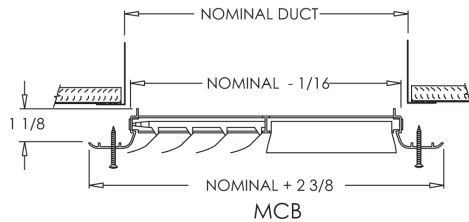
Maintains
horizontal
airflow pattern



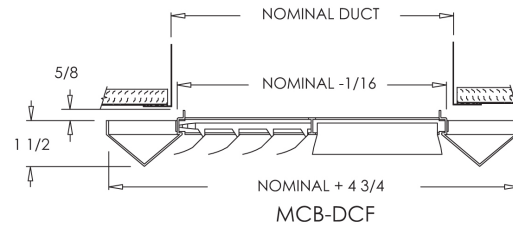
individually
adjustable
curved blades



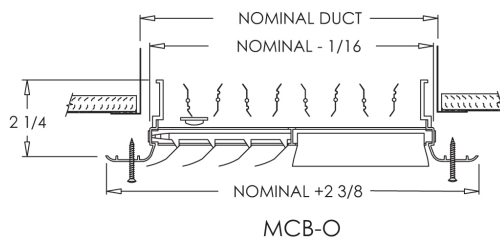
MCB



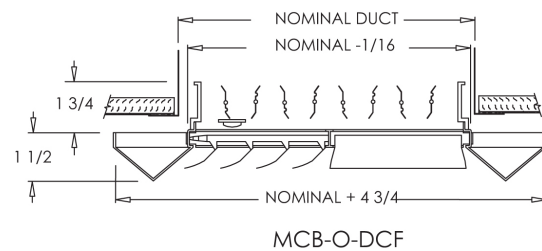
MCB-DCF



MCB-O



MCB-O-DCF





MODULAR CORE CEILING DIFFUSERS

MCB Series

Adjustable Modular Curved Blade Diffuser

Model	Description
MCB	Individually Adjustable Curved Blades
MCB-DCF	Individually Adjustable Curved Blades Deep Ceiling Frame
MCB-0	Fixed Curved Blades with OBD
MCB-0-DCF	Individually Adjustable Curved Blades Deep Ceiling Frame with OBD

FEATURES

- Modular cores with individually adjustable curved blades
- Maintains horizontal airflow pattern
- Extruded aluminum surface mount frame with signature line marks
- Countersunk mounting holes for flush appearance with color matching
- Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model MCB

Options:

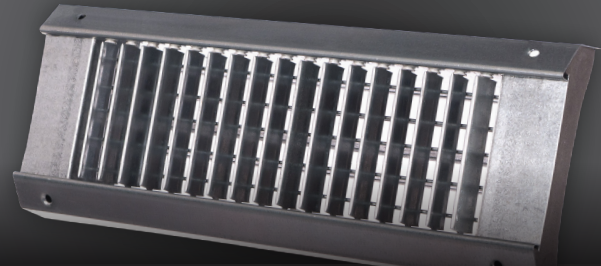
- ▶ Deep Ceiling Frame (steel) with concealed mounting holes (MCB-DCF)
- ▶ Concealed mounting holes (MCB-CM)
- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ (MCB-0, MCB-0-DCF)
- ▶ 2" ADC compliant round collar with bead for ease of installation – available
- ▶ in square sizes only
- ▶ T-20 Tamper Proof Screws



USR34 SERIES

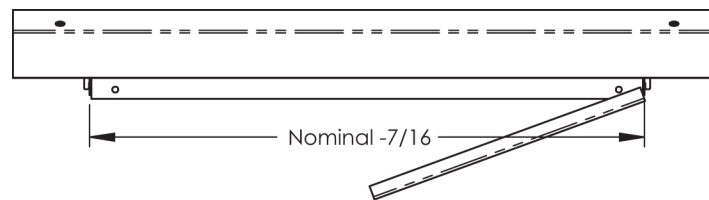
Quality. Value. Performance tested.

Allows for
4-way
airflow
adjustment

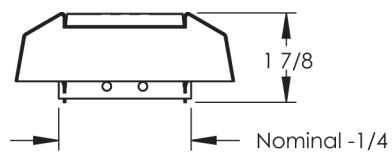


Double
deflection
adjustable
blade

Model USR34



Half-length Scoop Extractor (Optional)





SPIRAL DIFFUSERS

USR34 Series

Universal Spiral Diffuser (Double Deflection)

Model	Description
USR34	Double Deflection Adjustable Blade Diffuser

FEATURES

- Double deflection adjustable blade grille
- Front blades are parallel to shortest dimension
- Back blades are parallel to longest dimension
- Allows for 4-way airflow adjustment
- Galvanized steel construction
- Nylon bushings on adjustable blades prevent metal on metal rattle
- High quality foam gasketing for tight seal with duct
- Product sizes available to fit spiral pipe sizes 6" – 48"
- Galvanized Finish

Application • Exposed spiral duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



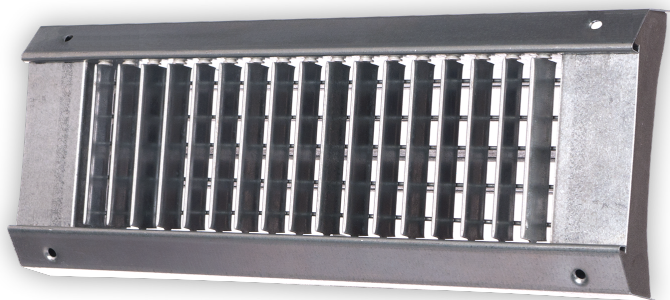
DT Driftwood Tan



BZ Bronze



BK Black



Model USR34

Options:

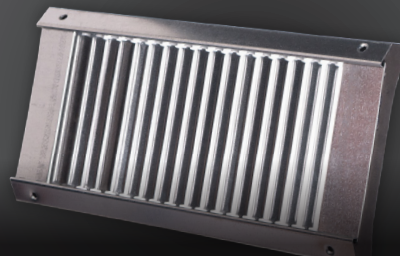
- ▶ Adjustable airfoil blades (A-USR34)
- ▶ Perforated face grille (USR-PERF)
- ▶ Recessed screwdriver operated Opposed Blade Damper (USR34-0)
- ▶ Half-length screwdriver operated Scoop Extractor (USR34-SC)
- ▶ Full-length screwdriver operated Scoop Extractor (20" max length scoop) (USR34-FS)



USR52 SERIES

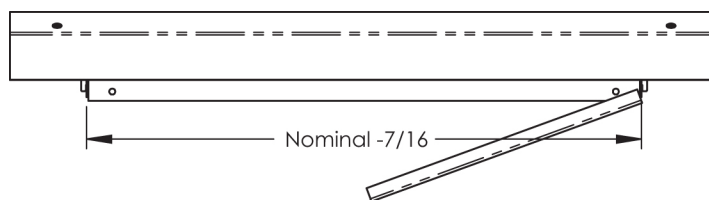
Quality. Value. Performance tested.

Single
deflection
adjustable
blade

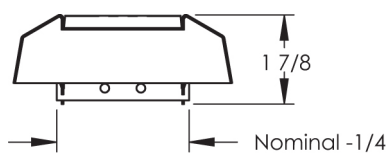


Galvanized steel
construction

Model USR52



Half-length Scoop Extractor (Optional)





SPIRAL DIFFUSERS

USR52 Series

Universal Spiral Grille (Single Deflection)

Model	Description
USR52	Single Deflection Adjustable Blade Diffuser

FEATURES

- Single deflection adjustable blade grille
- Blades are parallel to the shortest dimension
- Allows for 2-way airflow adjustment
- Galvanized steel construction
- Nylon bushings on adjustable blades prevent metal on metal rattle
- High quality foam gasketing for tight seal with duct
- Product sizes available to fit spiral pipe sizes 6" - 48"
- Galvanized Finish

Application • Exposed spiral duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



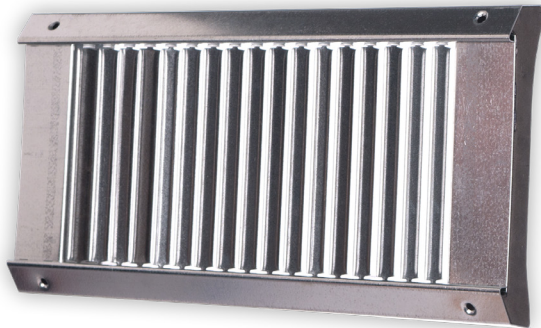
DT Driftwood Tan



BZ Bronze



BK Black



Model USR52

Options:

- ▶ Adjustable airfoil blades (A-USR52)
- ▶ Perforated face grille (USR-PERF)
- ▶ Recessed screwdriver operated Opposed Blade Damper (USR52-0)
- ▶ Half-length screwdriver operated Scoop Extractor (USR52-SC)
- ▶ Full-length screwdriver operated Scoop Extractor (20" max length scoop) (USR52-FS)



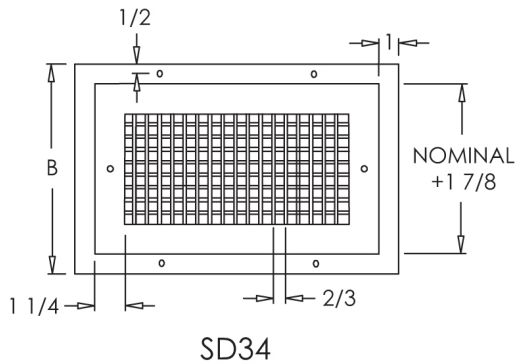
SD34 SERIES

Quality. Value. Performance tested.

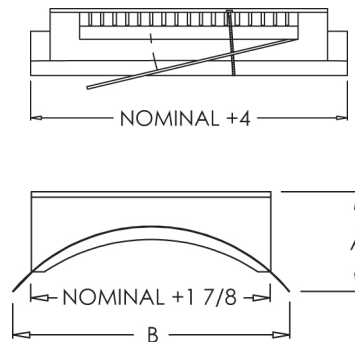


Double deflection diffuser

Model SD34



Full Scoop (optional)



SD34 Series Dimensions

Diffuser Width	Dimension*	Pipe Diameter										
		8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"
4"	A	5	4 ⁷ / ₈	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂
	B	7 ¹ / ₈	7 ³ / ₈	7 ¹ / ₂	7 ⁵ / ₈	7 ³ / ₄	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈
6"	A	N/A	5	5	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂
	B	N/A	9	9 ¹ / ₄	9 ¹ / ₂	9 ⁵ / ₈	9 ³ / ₄	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈
8"	A	N/A	N/A	5 ¹ / ₈	5	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ⁵ / ₈	4 ⁵ / ₈	4 ¹ / ₂
	B	N/A	N/A	10 ⁷ / ₈	11 ¹ / ₄	11 ³ / ₈	11 ³ / ₈	11 ³ / ₄	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈
10"	A	N/A	N/A	N/A	5	5	4 ⁷ / ₈	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ⁵ / ₈
	B	N/A	N/A	N/A	13	13 ¹ / ₄	13 ³ / ₈	13 ¹ / ₂	13 ³ / ₈	13 ³ / ₈	13 ³ / ₈	13 ³ / ₈
12"	A	N/A	N/A	N/A	N/A	5 ¹ / ₈	5	4 ⁷ / ₈	4 ⁷ / ₈	4 ⁷ / ₈	4 ³ / ₄	4 ⁵ / ₈
	B	N/A	N/A	N/A	N/A	14 ⁷ / ₈	15 ¹ / ₈	15 ³ / ₈	15 ¹ / ₂	15 ¹ / ₂	15 ⁵ / ₈	15 ⁷ / ₈

Diffuser Width	Dimension*	Pipe Diameter									
		30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
4"	A	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈
	B	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	8	8	8	8	8
6"	A	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈
	B	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	10	10	10	10
8"	A	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈
	B	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	12	12	12
10"	A	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈
	B	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	14	14
12"	A	4 ⁵ / ₈	4 ⁵ / ₈	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂
	B	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈

*A/B dimensions defined in product drawings are dependent on size of spiral pipe product is designed.



SPIRAL DIFFUSERS

SD34 Series

Transition Box Spiral Pipe Grille (Double Deflection)

Model	Description
SD34	Double Deflection

FEATURES

- Double deflection transition box mount spiral pipe grille
- Front blades are parallel to shortest dimension
- Back blades are parallel to longest dimension
- Allows for 4-way airflow adjustment
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Curved saddle with gasket provides airtight fit to spiral pipe
- Product sizes available to fit spiral pipe diameters 8" – 48" Spiral pipe diameter must be 4" larger than height of grille.
- Galvanized Finish

Application • Exposed spiral duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



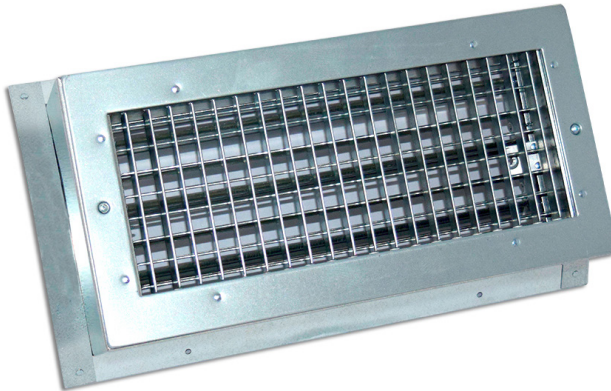
DT Driftwood Tan



BZ Bronze



BK Black



Model SD34

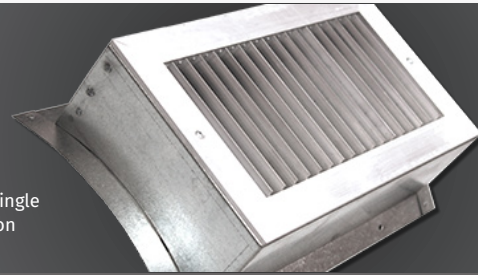
Options:

- ▶ Linear bar face (SD-LSW)
- ▶ Perforated face (SD-600P)
- ▶ Lattice face (SD-600)
- ▶ Recessed screwdriver operated Opposed Blade Damper (SD34-0)
- ▶ Half-length screwdriver operated Scoop Extractor (SD34-SC)
- ▶ Full-length screwdriver operated Scoop Extractor (20" max length scoop) (SD34-FS)



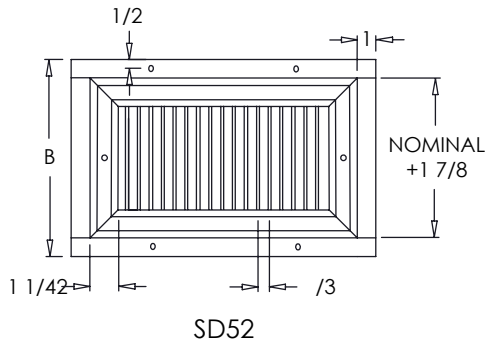
SD52 SERIES

Quality. Value. Performance tested.

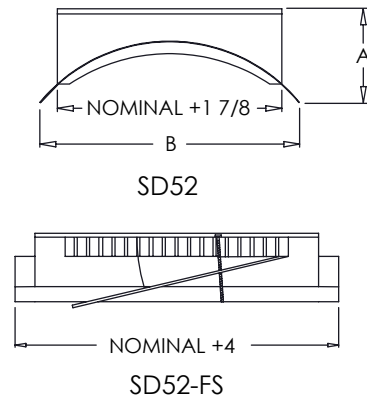


SD52 - Single deflection diffuser

Model SD52



Full Scoop (optional)



SD52 Series Dimensions

Diffuser Width	Dimension*	Pipe Diameter										
		8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"
4"	A	5	4 ⁷ / ₈	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂
	B	7 ¹ / ₈	7 ³ / ₈	7 ¹ / ₂	7 ⁵ / ₈	7 ³ / ₄	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈
6"	A	N/A	5	5	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂
	B	N/A	9	9 ¹ / ₄	9 ¹ / ₂	9 ⁵ / ₈	9 ³ / ₄	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈
8"	A	N/A	N/A	5 ¹ / ₈	5	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ⁵ / ₈	4 ⁵ / ₈	4 ¹ / ₂
	B	N/A	N/A	10 ⁷ / ₈	11 ¹ / ₄	11 ³ / ₈	11 ⁵ / ₈	11 ³ / ₄	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈
10"	A	N/A	N/A	N/A	5	5	4 ⁷ / ₈	4 ⁷ / ₈	4 ³ / ₄	4 ³ / ₄	4 ⁵ / ₈	4 ⁵ / ₈
	B	N/A	N/A	N/A	13	13 ¹ / ₄	13 ³ / ₈	13 ¹ / ₂	13 ³ / ₈	13 ³ / ₈	13 ³ / ₈	13 ³ / ₈
12"	A	N/A	N/A	N/A	N/A	5 ¹ / ₈	5	4 ⁷ / ₈	4 ⁷ / ₈	4 ⁷ / ₈	4 ³ / ₄	4 ⁵ / ₈
	B	N/A	N/A	N/A	N/A	14 ⁷ / ₈	15 ¹ / ₈	15 ³ / ₈	15 ¹ / ₂	15 ¹ / ₂	15 ⁵ / ₈	15 ⁷ / ₈

Diffuser Width	Dimension*	Pipe Diameter									
		30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
4"	A	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈
	B	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	8	8	8	8	8
6"	A	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈
	B	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	9 ⁷ / ₈	10	10	10	10
8"	A	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈	4 ³ / ₈
	B	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	12	12	12
10"	A	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ³ / ₈	4 ³ / ₈
	B	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	13 ⁷ / ₈	14	14
12"	A	4 ⁵ / ₈	4 ⁵ / ₈	4 ⁵ / ₈	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂
	B	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈

*A/B dimensions defined in product drawings are dependent on size of spiral pipe product is designed.



SPIRAL DIFFUSERS

SD52 Series

Transition Box Spiral Pipe Diffuser

Model	Description
SD52	Single Deflection

FEATURES

- Single deflection transition box mount spiral pipe grille
- Blades are parallel to the shortest dimension
- Allows for 2-way airflow adjustment
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Curved saddle with gasket provides airtight fit to spiral pipe
- Product sizes available to fit spiral pipe diameters 8" – 48". Spiral pipe diameter must be 4" larger than height of grille.
- Galvanized Finish

Application • Exposed spiral duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Model SD52



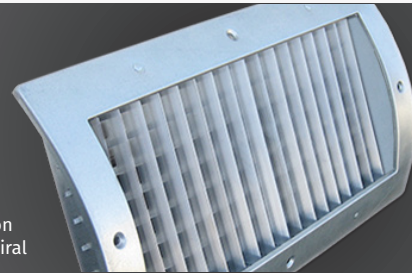
Options:

- ▶ Linear bar face (SD-LSW)
- ▶ Perforated face (SD-600P)
- ▶ Lattice face (SD-600)
- ▶ Recessed screwdriver operated Opposed Blade Damper (SD52-0)
- ▶ Half-length screwdriver operated Scoop Extractor (SD52-SC)
- ▶ Full-length screwdriver operated Scoop Extractor (20" max length scoop) (SD52-FS)



RS34 SERIES

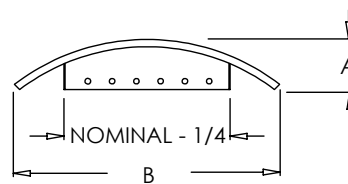
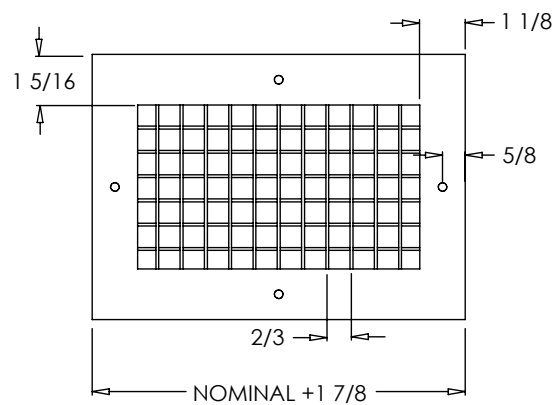
Quality. Value. Performance tested.



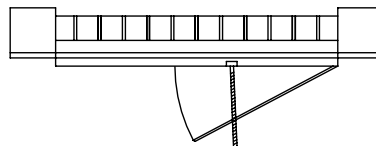
Double deflection
radius mount spiral

Allows for
4-way airflow

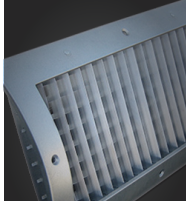
Models RS34



RS34



RS34-SC



SPIRAL DIFFUSERS

RS34 Series

Radius Spiral Pipe Grille (Double Deflection)

Model	Description
RS34	Radius Spiral Pipe Grille (Double Deflection)

FEATURES

- Double deflection radius mount spiral pipe grille with adjustable blades
- Front blades are parallel to shortest dimension
- Back blades are parallel to longest dimension
- Allows for 4-way airflow
- Nylon bushings on adjustable blades prevent metal on metal rattle
- One piece curved frame with gasket fits flush to spiral pipe
- Product sizes available to fit spiral pipe diameter 8" – 48". Spiral pipe diameter must be 4" larger than height of grille.
- Galvanized Finish

Application • Exposed spiral duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



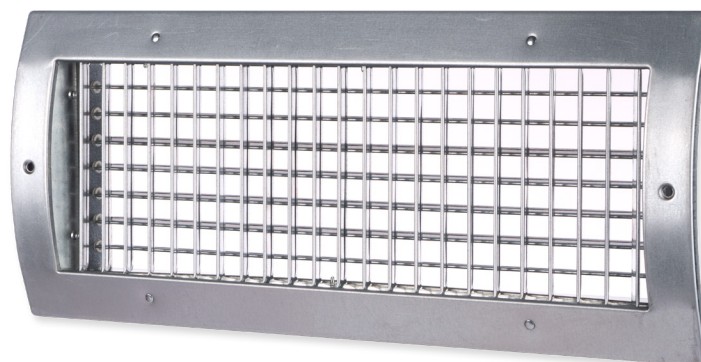
BZ Bronze



BK Black

Options:

- ▶ *Perforated face grille (RS-PERF)*
- ▶ *Recessed screwdriver operated Opposed Blade Damper (RS34-0)*
- ▶ *Half-length screwdriver operated Scoop Extractor (RS34-SC)*
- ▶ *Full-length screwdriver operated Scoop Extractor (20" max length scoop) (RS34-FS)*



Model RS34



RS52 SERIES

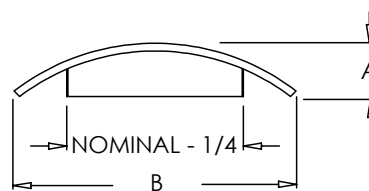
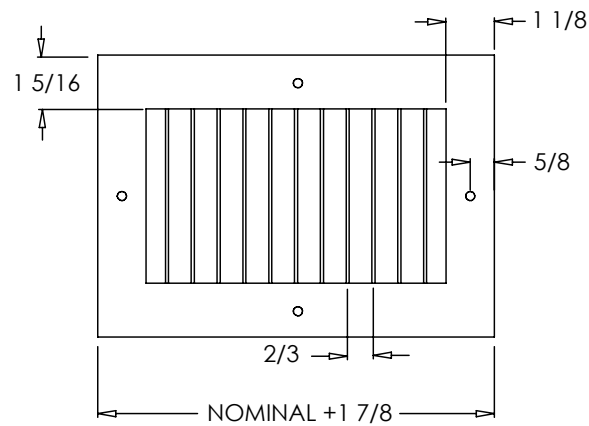
Quality. Value. Performance tested.



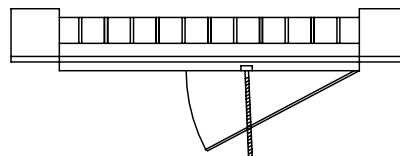
Allows 2-way
air throw

Single deflection
diffuser

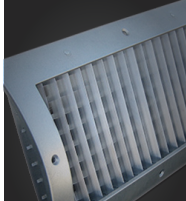
Models RS52



RS52



RS52-SC



SPIRAL DIFFUSERS

RS52 Series

Radius Spiral Pipe Grille (Single Deflection)

Model Description

RS52 Radius Spiral Pipe Grille (Single Deflection)

FEATURES

- Single deflection radius mount spiral pipe grille with adjustable blades
- Blades are parallel to the shortest dimension
- Allows for 2-way airflow
- Nylon bushings on adjustable blades prevent metal on metal rattle
- One piece curved frame with gasket fits flush to spiral pipe
- Product sizes available to fit spiral pipe diameter 8" – 48". Spiral pipe diameter must be 4" larger than height of grille.
- Galvanized Finish

Application • Exposed spiral duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



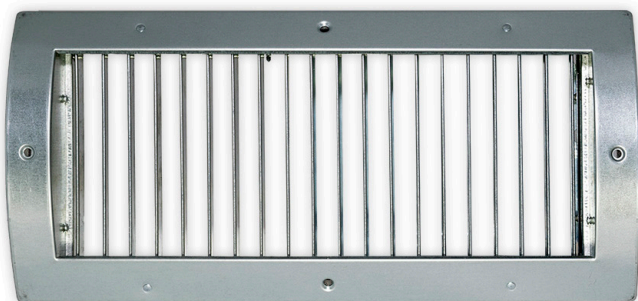
BZ Bronze



BK Black

Options:

- ▶ *Perforated face grille (RS-PERF)*
- ▶ *Recessed screwdriver operated Opposed Blade Damper (RS52-0)*
- ▶ *Half-length screwdriver operated Scoop Extractor (RS52-SC)*
- ▶ *Full-length screwdriver operated Scoop Extractor (20" max length scoop) (RS52-FS)*



Model RS52



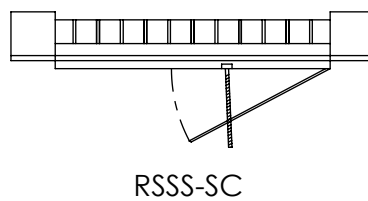
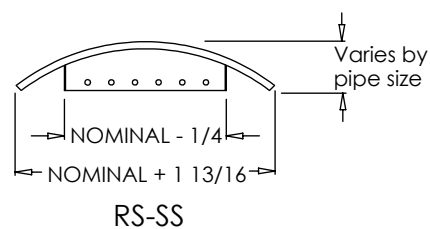
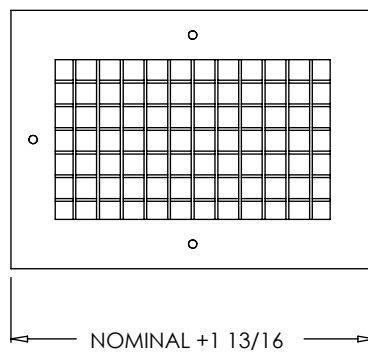
RS52-SS SERIES

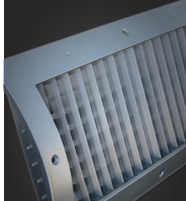
Quality. Value. Performance tested.

Type 304
stainless steel

Radius spiral
mount grille

Models RS52-SS





SPIRAL DIFFUSERS

RS-SS Series

Stainless Steel Radius Spiral Pipe Grille

Model	Description
RS-SS	Radius Spiral Pipe Grille

FEATURES

- Type 304 stainless steel
- Radius spiral mount grille
- Curved radius fits flush to spiral pipe
- 3/4" blade spacing
- Allows for 2-way airflow adjustment on single deflection and 4-way airflow on double deflection
- Satin polished finish

Application • Exposed spiral duct

Recommended for • Commercial applications

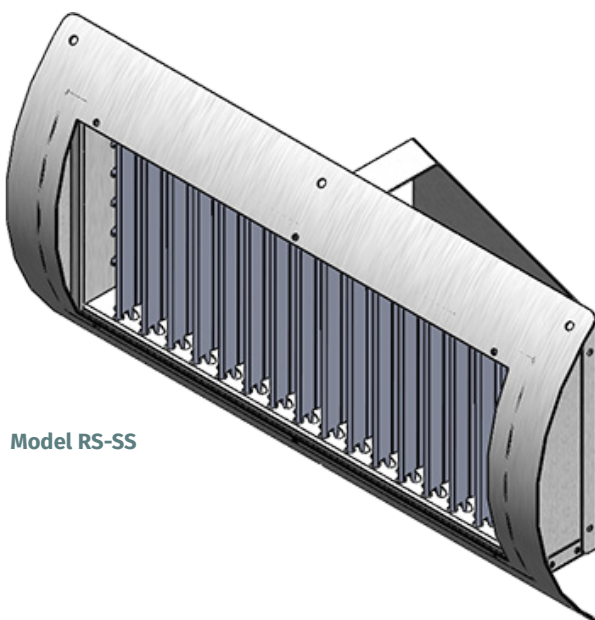
Standard Finish • Satin polished finish

Options:

- ▶ Type 316 stainless steel
- ▶ Opposed blade damper
- ▶ Half scoop (RS-SS-SC)
- ▶ Full scoop (RS-SS-FS)

Blade Options:

- ▶ Single Deflection: Blades parallel to longest dimension
- ▶ Single Deflection: Blades parallel to shortest dimension
- ▶ Double Deflection: Front blades parallel to longest dimension, back blades parallel to shortest dimension
- ▶ Double Deflection: Front blades parallel to shortest dimension, back blades parallel to longest dimension



Model RS-SS



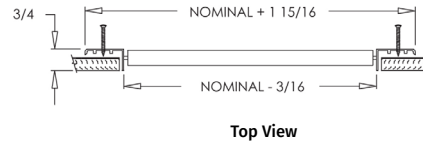
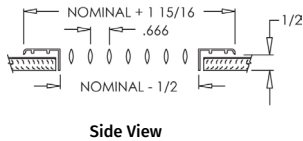
901 / 902 SERIES

Quality. Value. Performance tested.

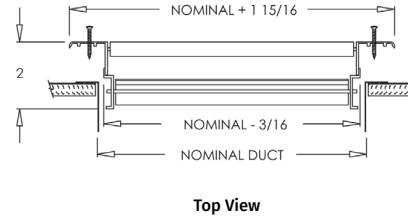
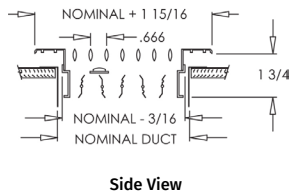
Adjustable
Steel Blades

Blades are
parallel to
shortest
dimension

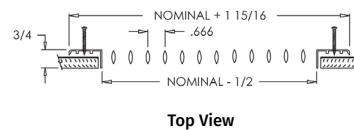
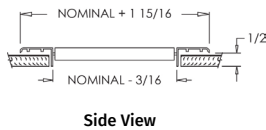
Model 901



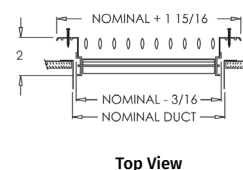
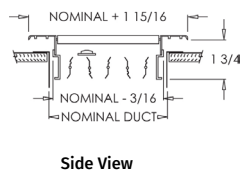
Model 901-0



Model 902



Model 902-0





ADJUSTABLE BLADE DIFFUSERS

901 / 902 Series

Aluminum Single Deflection Adjustable Blade Grille

Model	Description
901	Aluminum Blades are Parallel to Longest Dimension
901-0	Aluminum Blades are Parallel to Longest Dimension with Opposed Blade Damper
902	Aluminum Blades are Parallel to Shortest Dimension
902-0	Aluminum Blades are Parallel to Shortest with Opposed Blade Damper

FEATURES

- Single deflection surface mount grille with adjustable airfoil blades
- Extruded aluminum surface mount frame with signature line marks
- Provides 2-way airflow on one plane
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- ▶ Recessed screwdriver operated Opposed Blade Damper (902-0)
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ Heavy Duty Construction (1½" frame depth utilized)
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ T-20 Tamper Proof Screws



Model 901



Model 902



931 / 932 SERIES

Quality. Value. Performance tested.

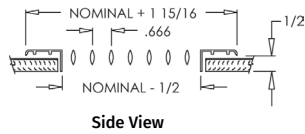
Adjustable
Steel Blades



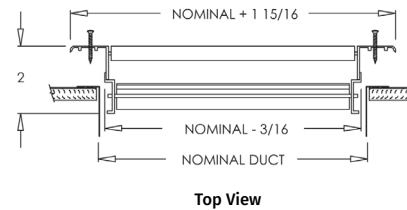
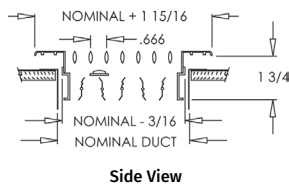
Single deflection
surface mount
diffuser



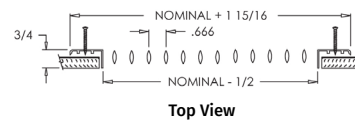
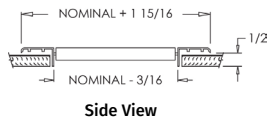
Model 931



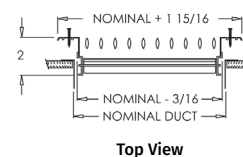
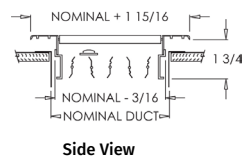
Model 931-0



Model 932



Model 932-0





ADJUSTABLE BLADE DIFFUSERS

931 / 932 Series

Single Deflection Adjustable Steel Blade Grille

Model	Description
931	Steel Blades are Parallel to Longest Dimension
931-0	Steel Blades are Parallel to Longest Dimension with Opposed Blade Damper
932	Steel Blades are Parallel to Shortest Dimension
932-0	Steel Blades are Parallel to Shortest Dimension With Opposed Blade Damper

FEATURES

- Single deflection surface mount grille with adjustable steel blades
- Provides 2-way airflow on one plane
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Available in even sizes up to 36"x24"
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- ▶ Recessed screwdriver operated Opposed Blade Damper (931-0)
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ T-20 Tamper Proof Screws



Model 931



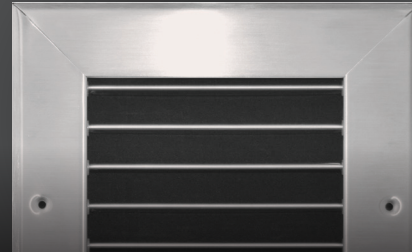
Model 932



931-SS / 932-SS SERIES

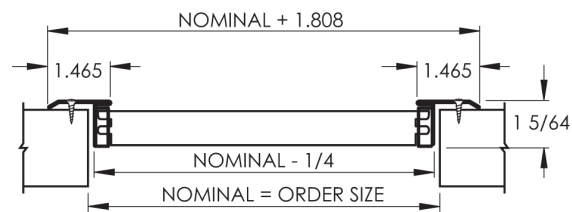
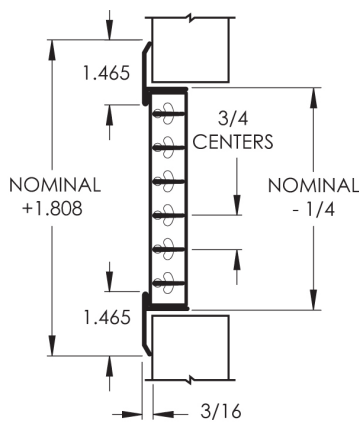
Quality. Value. Performance tested.

Countersunk
mounting holes for
flush appearance

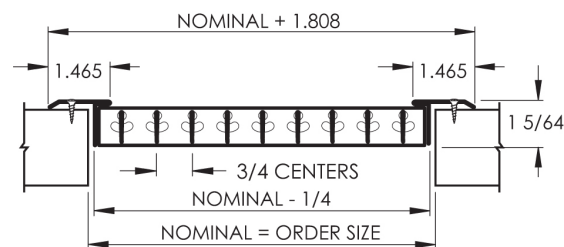
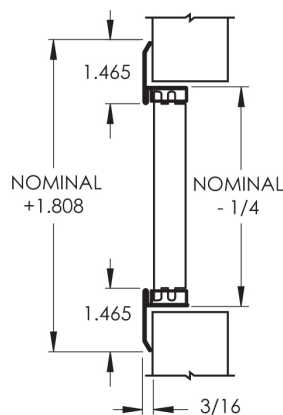


Type 304
stainless steel

Model 931-SS



Model 932-SS





ADJUSTABLE BLADE GRILLES

931-SS / 932-SS Series

Stainless Steel Blade Grille

Model	Description
931-SS	Steel Adjustable Blade Single Deflection Grille parallel to longest dimension
932-SS	Steel Adjustable Blade Single Deflection Grille parallel to shortest dimension

FEATURES

- Type 304 stainless steel
- Adjustable single deflection grille
- Airfoil blades individually adjustable on 3/4" centers, parallel to longest or shortest dimension given
- Countersunk mounting holes with stainless sheet metal screws
- Minimum size 4"x4"
- Maximum size 48"x48"

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Satin polished finish

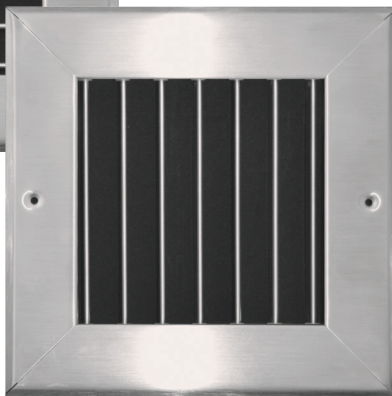
Options

- ▶ Type 316 stainless steel
- ▶ Opposed Blade Damper
- ▶ Available blade centers at 1/2", 1" and 1 1/2"
- ▶ Long throw individually adjustable blades with 1 1/2" blades on 1 1/2" centers or 3" blades on 3" centers
- ▶ Tamper Proof Screws - stainless steel Torx Center Pin
- ▶ Square to round transition collar



Model 931

Adjustable Blades
Parallel to Longest
Dimension



Model 932

Adjustable Blades Parallel
To Shortest Dimension



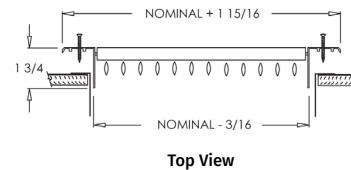
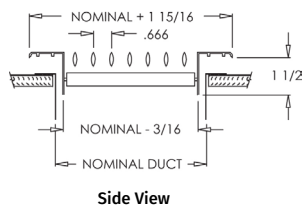
903 / 904 SERIES

Quality. Value. Performance tested.

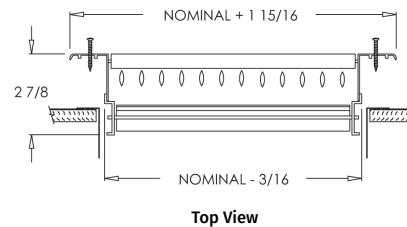
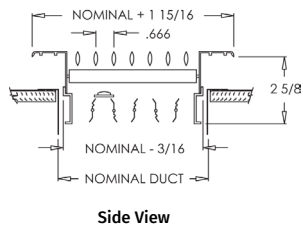
Double Deflection
Adjustable Blade Diffusers



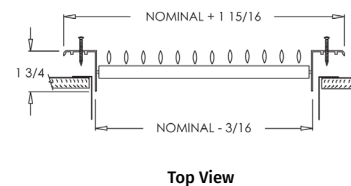
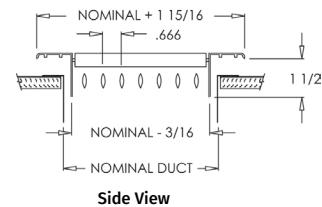
Model 903



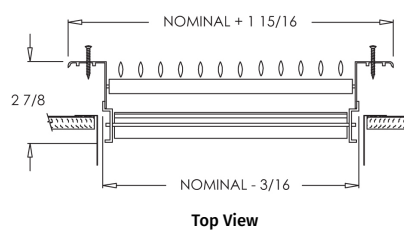
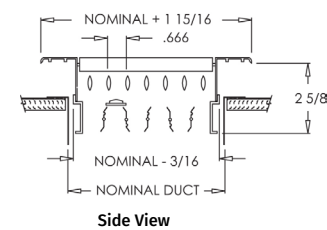
Model 903-0



Model 904



Model 904-0





ADJUSTABLE BLADE DIFFUSERS

903 / 904 Series

Double Deflection Adjustable Blade Diffusers

Model	Description
903	Aluminum Front Blades Parallel to Longest Dimension, Back Blades Parallel to Shortest Dimension
903-0	Aluminum Front Blades Parallel to Longest Dimension, Back Blades Parallel to Shortest Dimension with Opposed Blade Damper
904	Aluminum Front Blades Parallel to Shortest Dimension, Back Blades Parallel to Longest Dimension
904-0	Aluminum Front Blades Parallel to Shortest Dimension, Back Blades Parallel to Longest Dimension with Opposed Blade Damper

FEATURES

- Double deflection surface mount grille with adjustable airfoil blades
- Extruded aluminum surface mount frame with signature line marks
- Provides 4-way airflow on one plane
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



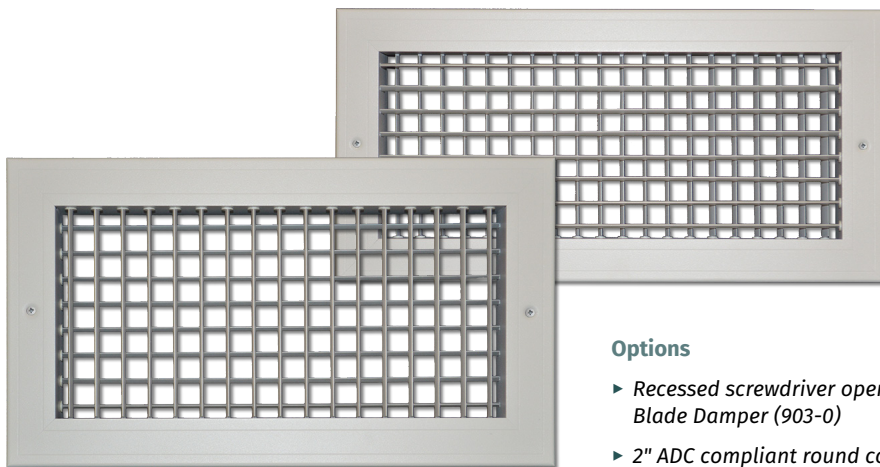
DT Driftwood Tan



BZ Bronze



BK Black



Model 904

Model 903

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (903-0)
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ Heavy Duty Construction
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ T-20 Tamper Proof Screws



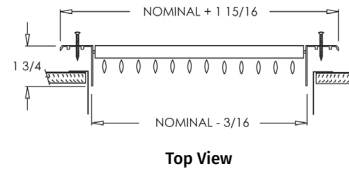
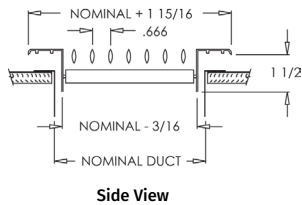
933 / 934 SERIES

Quality. Value. Performance tested.

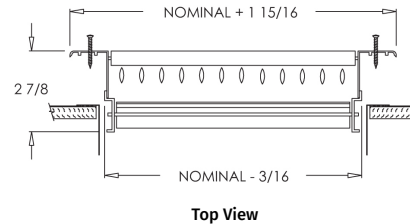
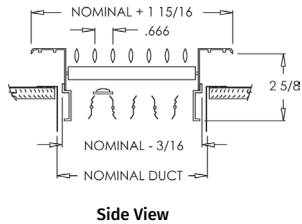
Double Deflection
Adjustable Blade Diffusers



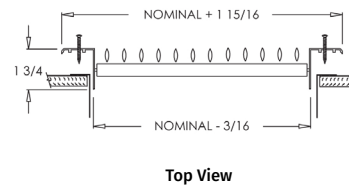
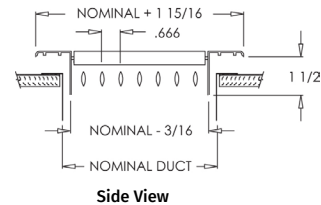
Model 933



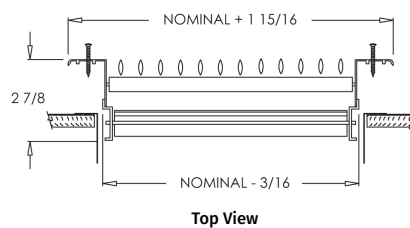
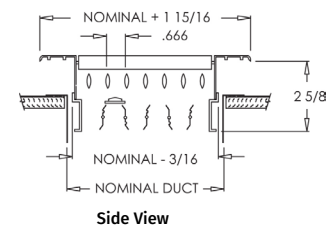
Model 933-0



Model 934



Model 934-0





ADJUSTABLE BLADE DIFFUSERS

933 / 934 Series

Double Deflection Adjustable Blade Diffusers

Model	Description
933	Steel Front Blades Parallel to Longest Dimension, Back Blades Parallel to Shortest Dimension
933-0	Steel Front Blades Parallel to Longest Dimension, Back Blades Parallel to Shortest Dimension with Opposed Blade Damper
934	Steel Front Blades Parallel to Shortest Dimension, Back Blades Parallel to Longest Dimension
934-0	Steel Front Blades Parallel to Shortest Dimension, Back Blades Parallel to Longest Dimension with Opposed Blade Damper

FEATURES

- Double deflection surface mount grille with adjustable airfoil blades
- Extruded aluminum surface mount frame with signature line marks
- Provides 4-way airflow on one plane
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan

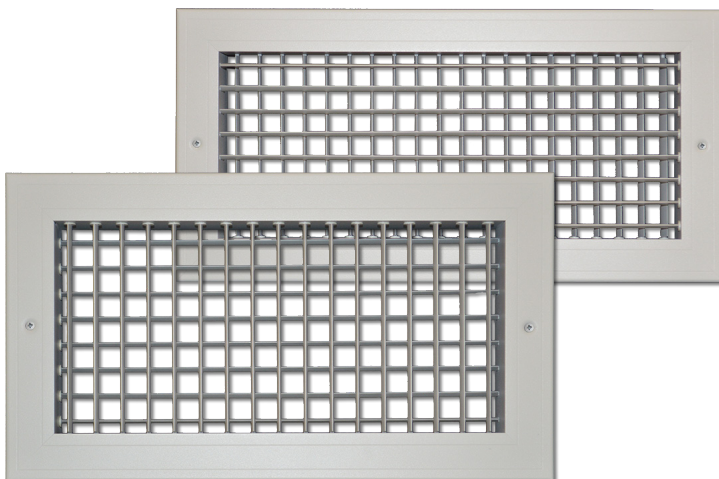


BZ Bronze



BK Black

Model 933



Model 934

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (903-0)
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ Heavy Duty Construction
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ T-20 Tamper Proof Screws



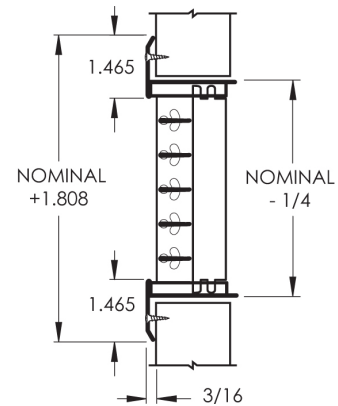
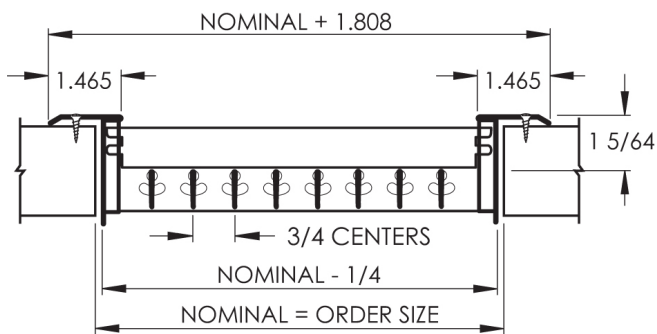
933-SS / 934-SS SERIES

Quality. Value. Performance tested.

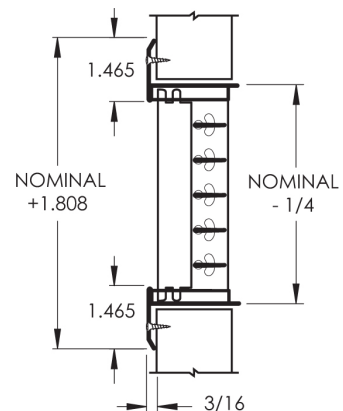
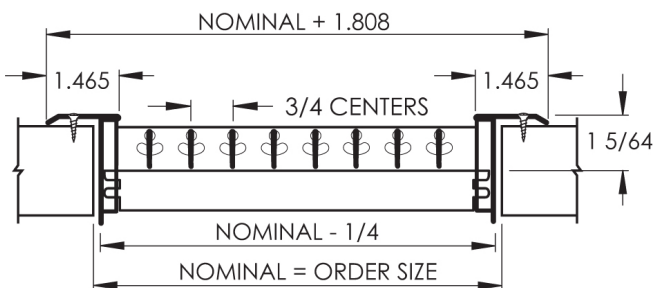
Type 304
stainless
steel

Adjustable
double
deflection
grille

Models 933-SS



Model 934-SS





ADJUSTABLE FIXED BLADE GRILLES

933-SS / 934-SS Series

Stainless Steel Adjustable Blade Double Deflection Grille

Model	Description
933-SS	Adjustable Blade Double Deflection Grille (front blades parallel to longest dimension)
934-SS	Adjustable Blade Double Deflection Grille (front blades parallel to shortest dimension)

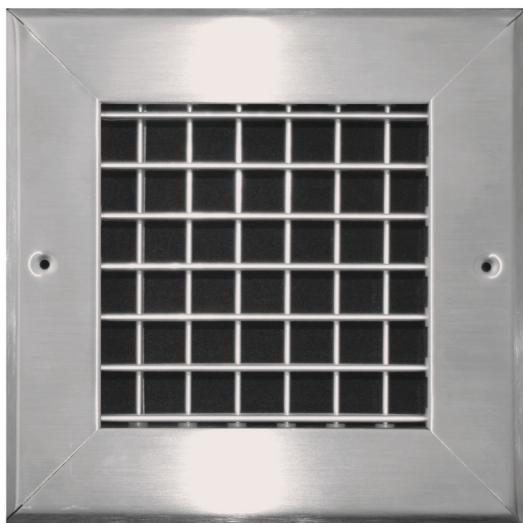
FEATURES

- Type 304 stainless steel
- Adjustable double deflection grille
- Airfoil blades individually adjustable on $\frac{3}{4}$ " centers
- Front blades are parallel to longest dimension
- Back blades are parallel to shortest dimension
- Countersunk mounting holes for flush appearance with stainless sheet metal screws
- Minimum size 4"x 4"
- Maximum size 48"x 48"
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Satin polished finish



Model 933-SS

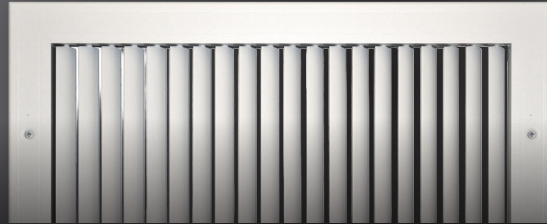
Options

- ▶ Type 316 stainless steel
- ▶ Opposed blade damper
- ▶ Available blade centers at $1\frac{1}{2}$ "
- ▶ Heavy duty construction – fixed front blades at 0° on $\frac{1}{2}$ " centers with adjustable back blades on $\frac{3}{4}$ " centers
- ▶ Heavy duty construction – fixed front blades at 45° on $\frac{1}{2}$ " centers with adjustable back blades on $\frac{3}{4}$ " centers
- ▶ Long throw individually adjustable blades with $1\frac{1}{2}$ " blades on $1\frac{1}{2}$ " centers or 3" blades on 3" centers
- ▶ Square to round transition collar
- ▶ T-Bar application
- ▶ Tamper Proof Screws – stainless steel Torx Center Pin



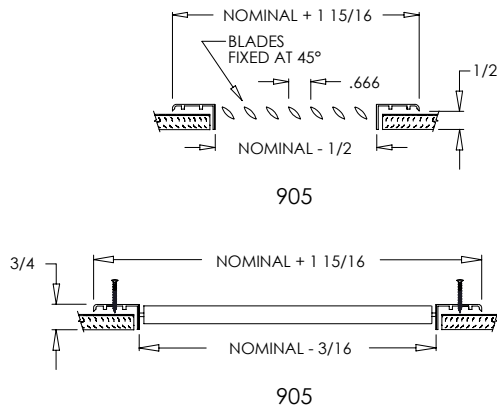
905 / 906 SERIES

Quality. Value. Performance tested.

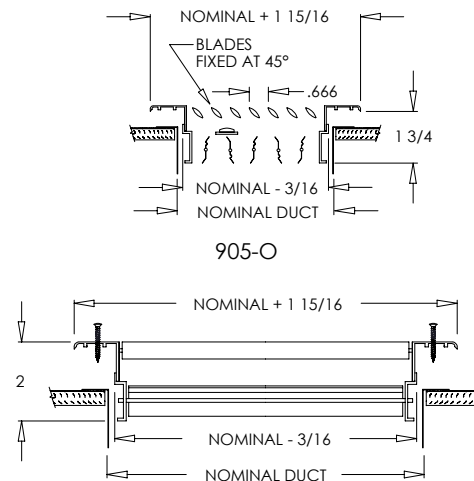


Fixed blade grille with airfoil blades at 45°

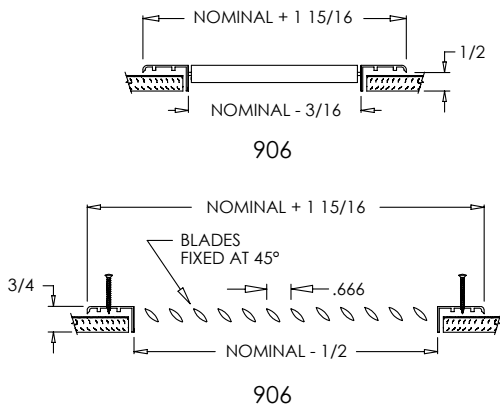
Model 905



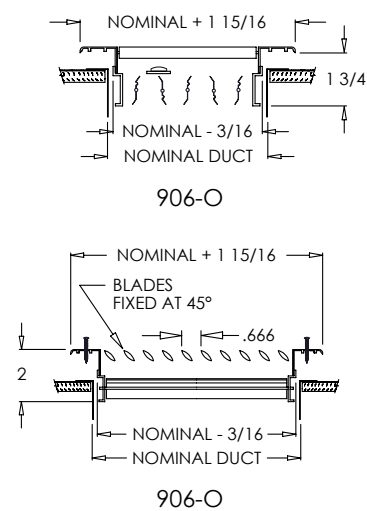
Model 905-0



Model 906



Model 906-0





FIXED BLADE GRILLES

905 / 906 Series

Aluminum Airfoil Blade Grille

Model	Description
905	Aluminum Blades are Parallel to Longest Dimension 45° Blade Pitch
906	Aluminum Blades are Parallel to Shortest Dimension 45° Blade Pitch

FEATURES

- Surface mount fixed blade grille with airfoil blades at 45°
- Blades spaced at 2/3"
- Extruded aluminum surface mount frame with signature line marks
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan

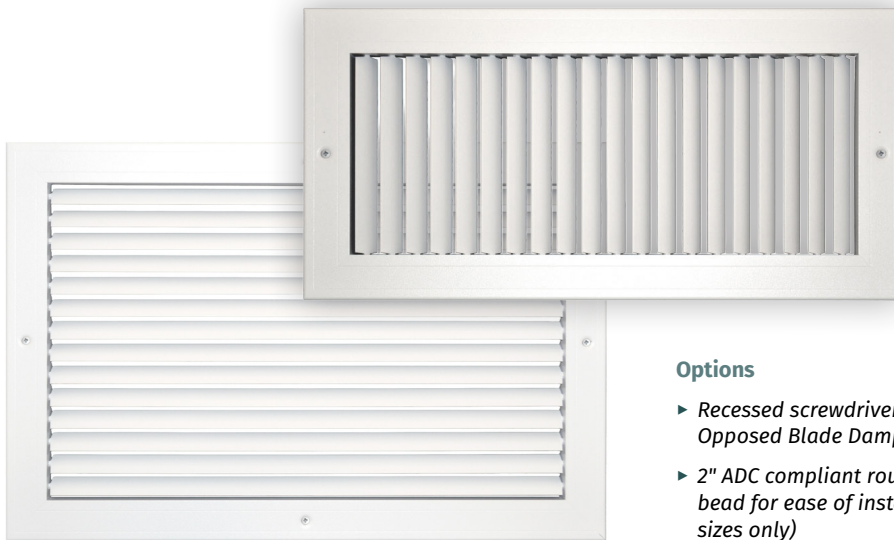


BZ Bronze



BK Black

Model 906



Model 905

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ Heavy Duty
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ T-20 Tamper Proof Screws



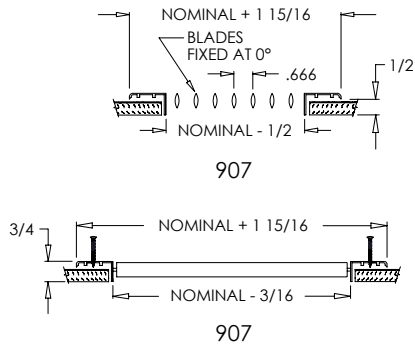
907 / 908 SERIES

Quality. Value. Performance tested.

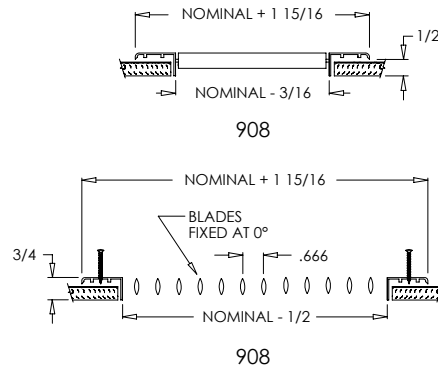
Blades
spaced at $\frac{2}{3}$ "

0° fixed blades

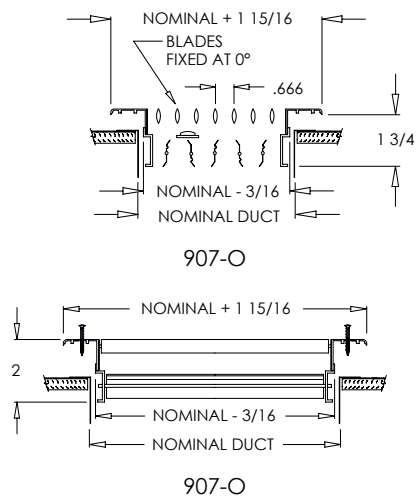
Model 907



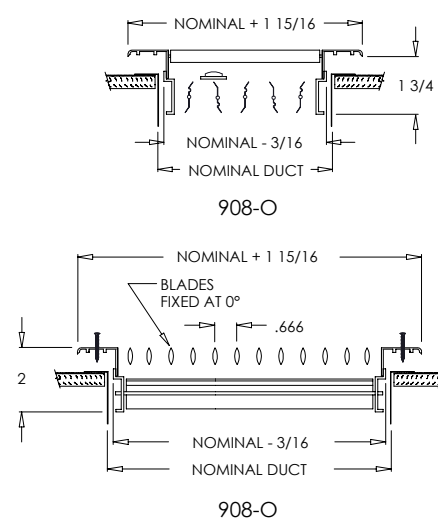
Model 908



Model 907-0



Model 908-0





FIXED BLADE GRILLES

907 / 908 Series

Fixed Blade Return Air Grilles

Model	Description
907	Aluminum Blades are Parallel to Longest Dimension 0° Blade Pitch
908	Aluminum Blades are Parallel to Shortest Dimension 0° Blade Pitch

FEATURES

- Surface mount fixed blade grille with airfoil blades at 0°
- Blades spaced at $\frac{2}{3}$ "
- Extruded aluminum surface mount frame with signature line marks
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 907

Model 908

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ Heavy Duty
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ T-20 Tamper Proof Screws



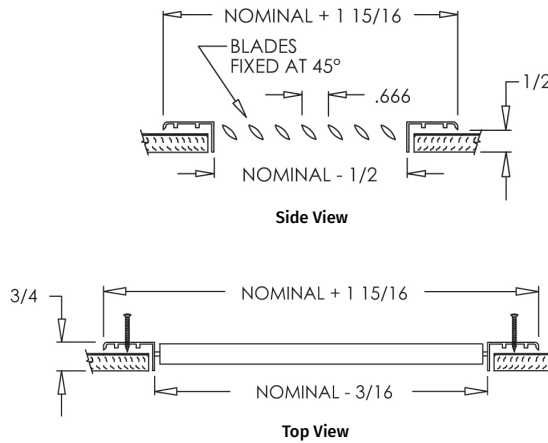
935 / 936 SERIES

Quality. Value. Performance tested.

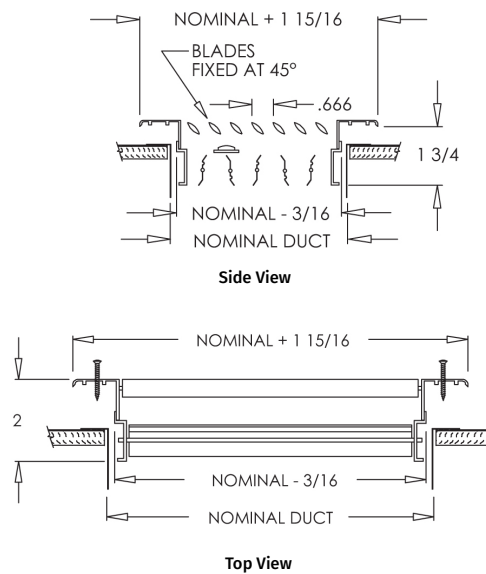
Countersunk
mounting
holes for flush
appearance

45° fixed
blades

Models 935 / 936



Model 935-0 / 936-0





FIXED BLADE GRILLES

935 / 936 Series

Fixed Blade Return Air Grilles

Model	Description
935	Steel Blades are Parallel to Longest Dimension 45° Blade Pitch
936	Steel Blades are Parallel to Shortest Dimension 45° Blade Pitch

FEATURES

- Surface mount fixed blade grille with steel blades at 45°
- Blades are spaced at $\frac{2}{3}$ "
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Available in even sizes up to 36"x24"
- On oversize grilles, a mullion will be added for support
- Frame dependent on product size, refer to chart below
- Rust resistant

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze

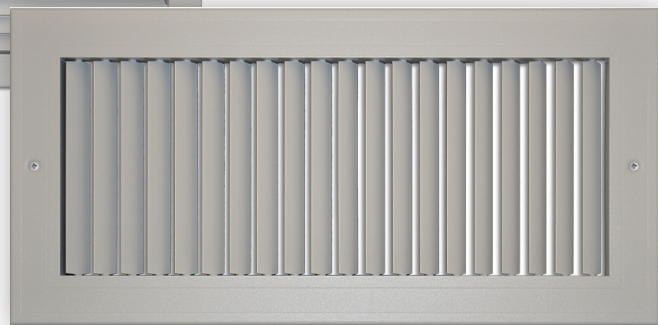


BK Black



Model 935

45° Fixed Blades Parallel
To Longest Dimension



Model 936

45° Fixed Blades Parallel
To Shortest Dimension

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper (935-0)
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ T-20 Tamper Proof Screws



935-SS / 936-SS SERIES

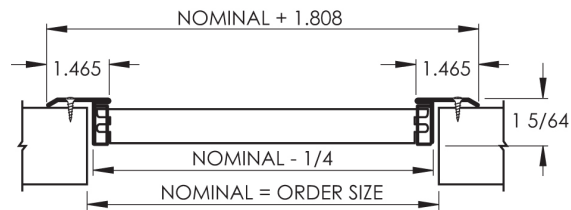
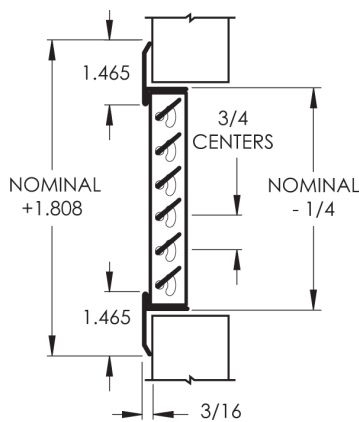
Quality. Value. Performance tested.

Countersunk
mounting holes for
flush appearance

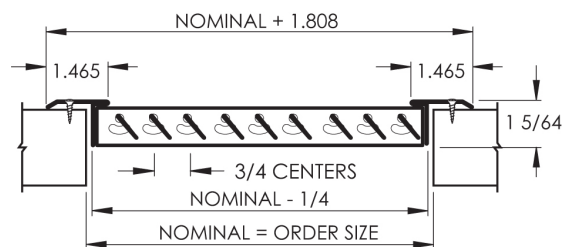
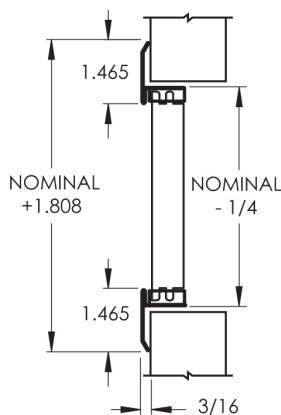


Type 304
stainless steel

Model 935-SS



Model 936-SS





FIXED BLADE GRILLES

935-SS / 936-SS Series

Stainless Steel Blade Grille

Model	Description
935	Steel Blades are Parallel to Longest Dimension 45° Blade Pitch
936	Steel Blades are Parallel to Shortest Dimension 45° Blade Pitch

FEATURES

- Type 304 stainless steel
- Blades are set on $\frac{3}{4}$ " centers
- Countersunk mounting holes for flush appearance with stainless sheet metal screws
- Minimum size 4"x4"
- Maximum size 60"x48"
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Satin polished finish

Options

- ▶ Type 316 stainless steel
- ▶ Opposed blade damper
- ▶ Available blade centers at $\frac{1}{2}$ "
- ▶ Heavy duty construction
- ▶ Square to round transition collar
- ▶ T-Bar application
- ▶ Tamper Proof Screws – stainless steel Torx Center Pin



Model 935
45° Fixed Blades
Parallel
To Longest
Dimension



Model 936
45° Fixed Blades Parallel
To Shortest Dimension



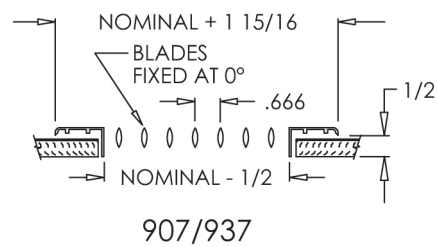
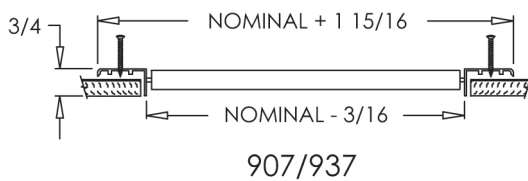
937 / 938 SERIES

Quality. Value. Performance tested.

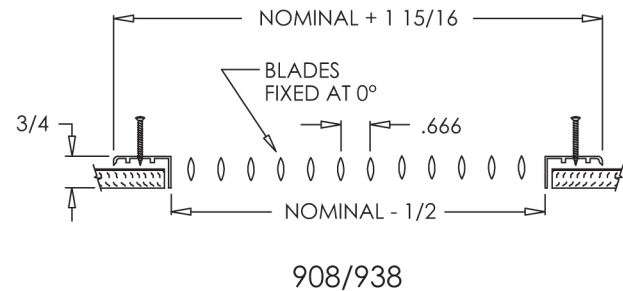
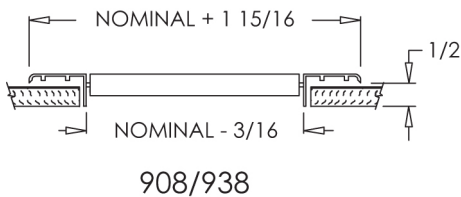
Blades are spaced at $\frac{2}{3}$ "

Fixed blade grille with steel blades at 0°

Model 937



Model 938





FIXED BLADE GRILLES

937 / 938 Series

Steel Blade Grille with 0° Degree Fixed Blades

Model	Description
937	Steel Blades are Parallel to Longest Dimension 0° Blade Pitch
938	Steel Blades are Parallel to Shortest Dimension 0° Blade Pitch

FEATURES

- Surface mount fixed blade grille with steel blades at 0°
- Blades are spaced at $\frac{2}{3}$ "
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Available in even sizes up to 36"x24"
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze

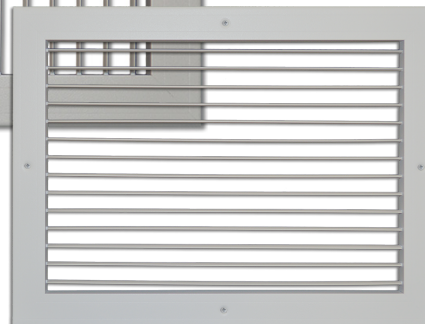


BK Black



Model 938

0° Fixed Blades Parallel
To Shortest Dimension



Model 937

0° Fixed Blades Parallel
To Longest Dimension

Options

- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ 2" ADC compliant round collar with bead for ease of installation (square sizes only)
- ▶ T-20 Tamper Proof Screws



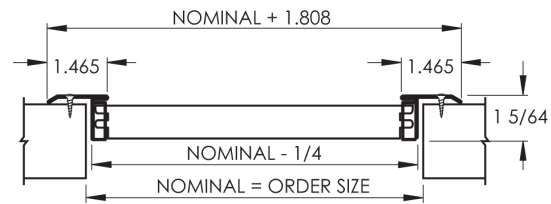
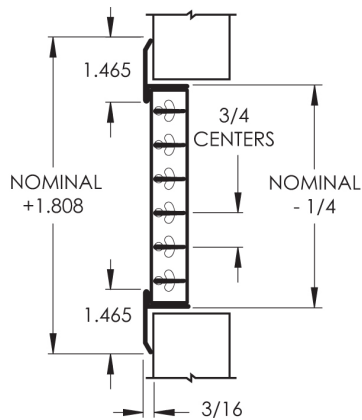
937-SS / 938-SS SERIES

Quality. Value. Performance tested.

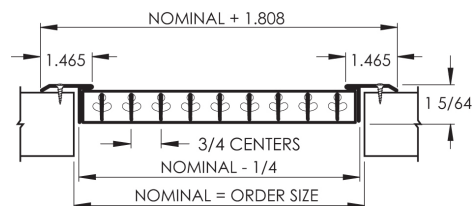
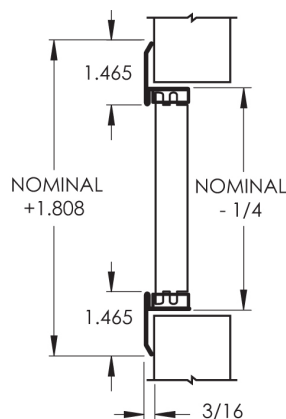
45° fixed
blades

Type 304
stainless steel

Model 937-SS



Model 938-SS





FIXED BLADE GRILLES

937-SS / 938-SS Series

Stainless Steel Blade Grille with 0° Degree Fixed Blade

Model	Description
937-SS	Steel Blades are Parallel to Longest Dimension 0° Blade Pitch
938-SS	Steel Blades are Parallel to Shortest Dimension 0° Blade Pitch

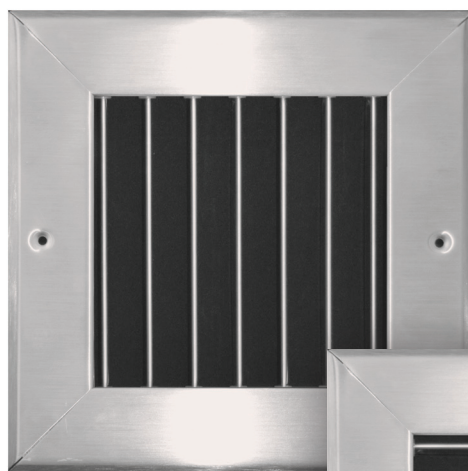
FEATURES

- Type 304 stainless steel
- Blades are set on $\frac{3}{4}$ " centers
- Countersunk mounting holes with stainless sheet metal screws
- Minimum size 4"x 4"
- Maximum size 60"x 48"
- Satin polished finish

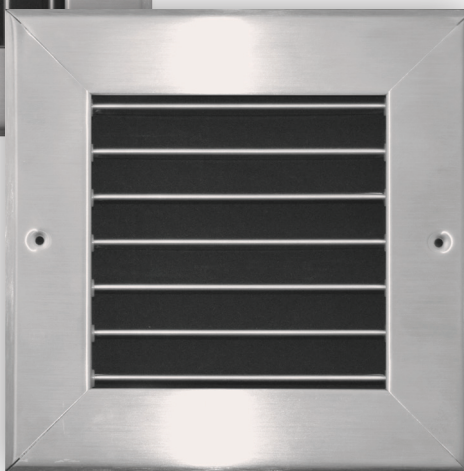
Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Satin polished finish



Model 938
0° Fixed Blades
Parallel
To Shortest
Dimension



Model 937
0° Fixed Blades Parallel
To Longest Dimension

Options

- ▶ Type 316 stainless steel
- ▶ Opposed Blade Damper
- ▶ Blades set at $\frac{1}{2}$ " centers
- ▶ Heavy Duty Construction
- ▶ Tamper Proof Screws - stainless steel Torx Center Pin
- ▶ Square to round transition collar



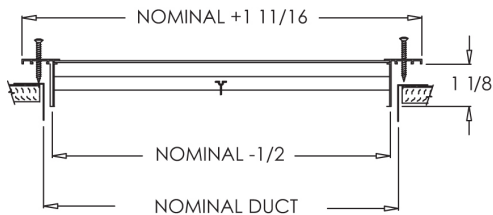
915 / 916 SERIES

Quality. Value. Performance tested.

Extruded
Aluminum
Blades

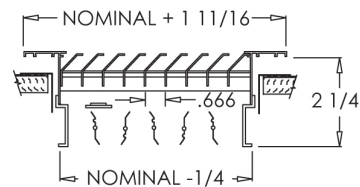
Designed
to minimize
vision into
air duct

Model 915



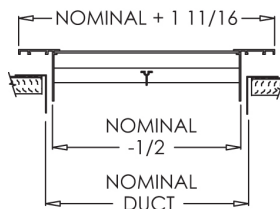
915

Model 915-0 (Side view)



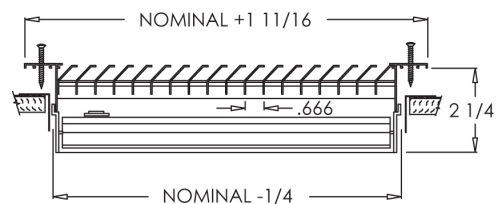
915-0

Model 916



916

Model 916-0 (Side view)



916-0



FIXED BAR BLADE GRILLES

915 / 916 Series

Fixed Bar Blade Grille

Model	Description
915	Blades Parallel to Longest Dimension
915-0	Blades Parallel to Longest Dimension with Opposed Blade Damper
916	Blades Parallel to Shortest Dimension
916-0	Blades Parallel to Shortest Dimension with Opposed Blade Damper

FEATURES

- Extruded aluminum surface mount frame with signature line marks
- Extruded aluminum fixed bar blades at 45°
- Designed to minimize vision into air duct
- Center margins are mounted on the backside of the grille for a streamlined continuous look
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



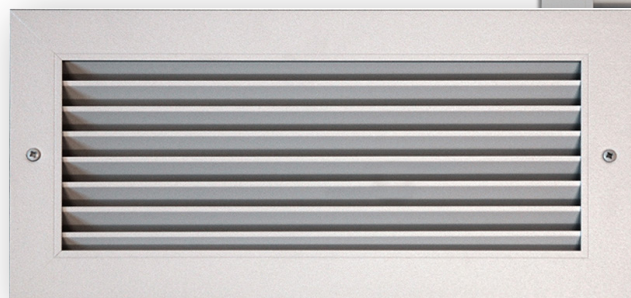
DT Driftwood Tan



BZ Bronze



BK Black



Model 915



Model 916

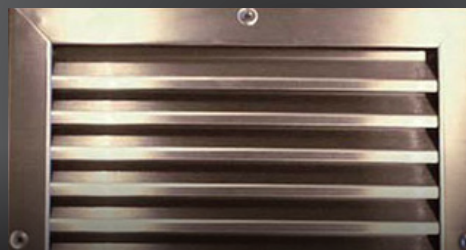
Options:

- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ Heavy Duty
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ Square to round 2" collar with roll formed retention bead - available in square sizes only
- ▶ T-20 Tamper Proof Screws



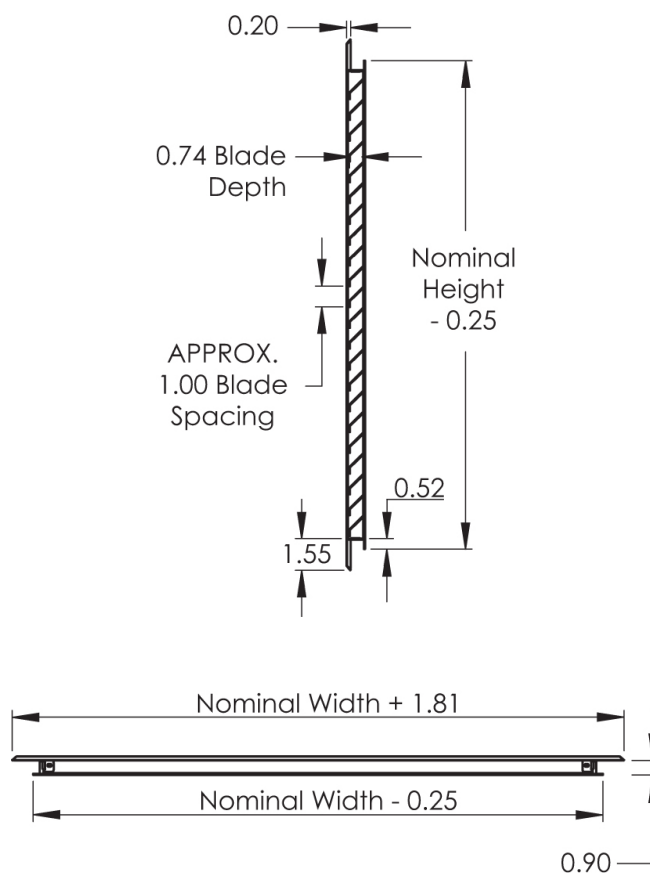
915-SS / 916-SS SERIES

Quality. Value. Performance tested.



Type 304
stainless steel

Model 915-SS & 916-SS





FIXED BAR BLADE GRILLES

915-SS / 916-SS Series

Fixed Bar Blade Grille

Model	Description
915-SS	Blades Parallel to Longest Dimension
916-SS	Blades Parallel to Shortest Dimension

FEATURES

- Type 304 stainless steel
- Approximately 60% free area
- Designed for limited vision through grille
- Louvered blades are reinforced from the rear on approximately 12" centers
- Countersunk mounting holes with stainless sheet metal screws
- Minimum size 4"x 4"
- Maximum size 60"x 48"
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Satin polished finish



Model 915-SS

Options:

- ▶ Type 316 stainless steel
- ▶ Opposed Blade Damper
- ▶ Square to round transition collar
- ▶ T-Bar application
- ▶ Tamper Proof Screws - stainless steel
Torx Center Pin



1000 SERIES

Quality. Value. Performance tested.

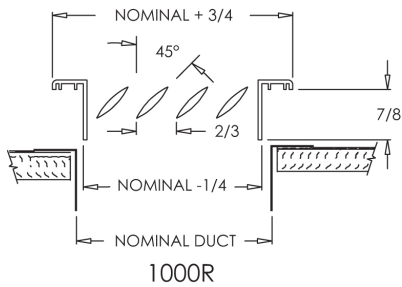
Sill Return
Air Grille



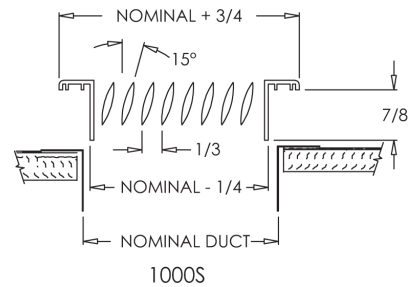
Sill Supply
Diffuser



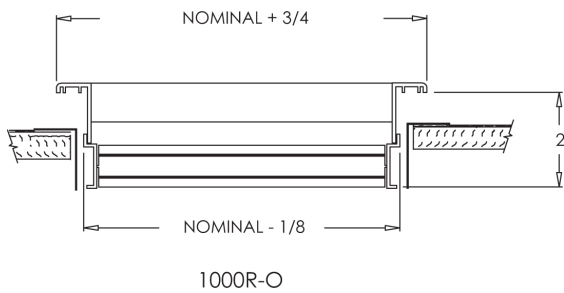
Model 1000R



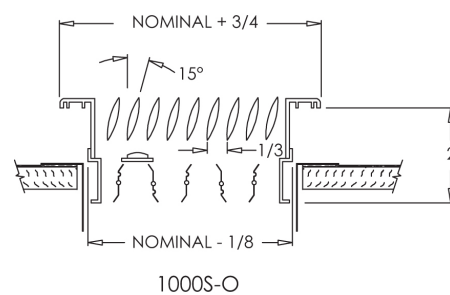
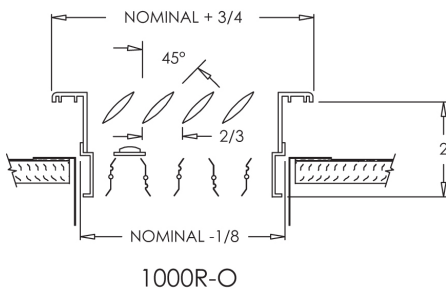
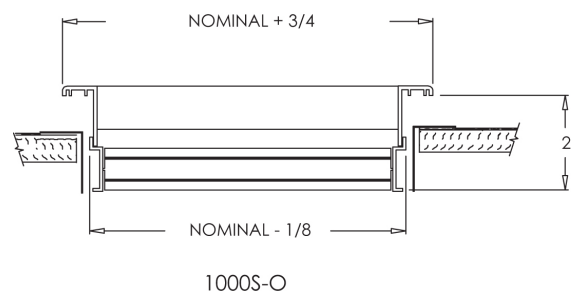
Model 1000S



Model 1000R-0



Model 1000S-0





SILL GRILLES

1000 Series

Sill Grilles

Model	Description
1000S	Sill Supply Grille
1000S-0	Sill Supply Register with Opposed Blade Damper
1000R	Sill Return Grille
1000R-0	Sill Return Register with Opposed Blade Damper

FEATURES

- Extruded aluminum construction with signature line marks
- Narrow $\frac{5}{8}$ " frame for clean appearance
- 1000R: 45° fixed blades parallel to longest dimension with $\frac{2}{3}$ " spacing return air grille
- 1000S: 15° fixed blades parallel to longest dimension with $\frac{1}{3}$ " pencil proof spacing grille
- Satin Anodized

Application • Sill

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



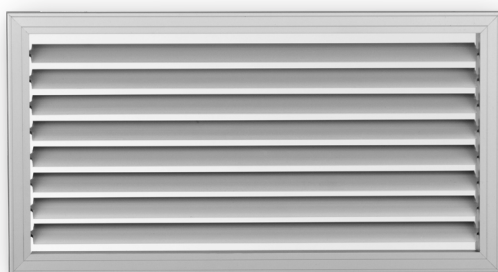
DT Driftwood Tan



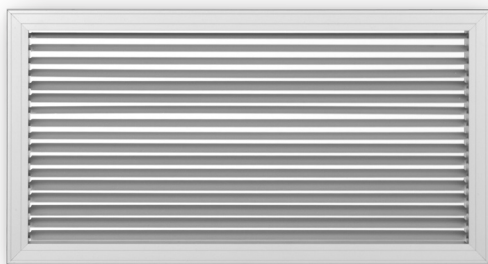
BZ Bronze



BK Black



1000R



1000S

Options:

- ▶ *Recessed Screwdriver Operated Opposed Blade Damper*
(MODEL: 1000R-0 / 1000S-0 - Not Pictured)
- ▶ *Drywall Flange – $\frac{5}{16}$ " depth*
(MODEL: 1000R-DW / 1000S-DW - not pictured)
- ▶ *Blades run parallel to shortest dimension*
- ▶ *Countersunk mounting holes for flush appearance with color matching screws*



945 SERIES

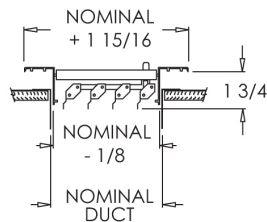
Quality. Value. Performance tested.

Adjustable
blades oriented
for 3 or 4-way



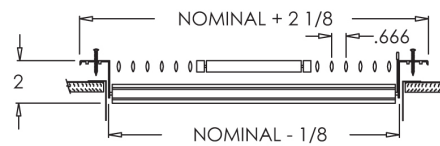
Rust-resistant
pre-coat
with durable
powder finish

Model 945



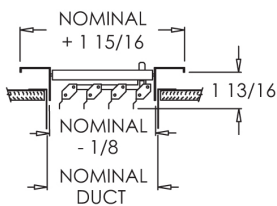
945 (Extruded Aluminum Frame)

Side View



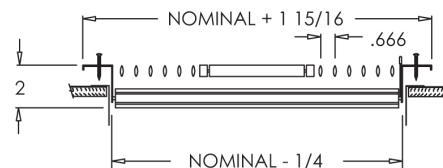
945 (Extruded Aluminum Frame)

Top View



945 (Stamped Steel One Piece Frame)

Side View



945 (Stamped Steel One Piece Frame)

Top View



ADJUSTABLE CEILING AND SIDEWALL DIFFUSERS

945 Series

Adjustable Blade 3 or 4-way Diffuser

Model	Description
945	Adjustable 3 Or 4-Way Diffuser
945-0	Adjustable 3 Or 4-Way Diffuser with Opposed Blade Damper

FEATURES

- Adjustable blades oriented for 3 or 4-way airflow pattern
- One piece stamped steel frame on most common sizes, alternate frame is extruded aluminum with signature line marks
- Individually adjustable airfoil blades
- 2/3" Blade spacing
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- *Optional lever operated opposed blade damper*
- *Tool operated opposed blade damper*

Stamped Steel One Piece Frame Sizes			
6×6	10×6	12×12	14×14
8×4	10×10	14×4	16×6
8×6	12×4	14×6	16×8
8×8	12×6	14×8	18×6
10×4	12×8	14×10	18×8

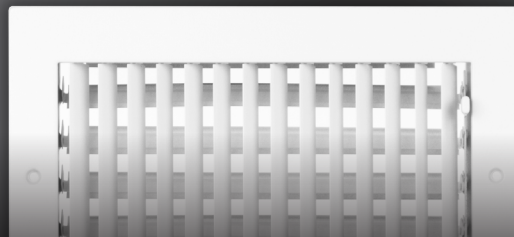


Model 945



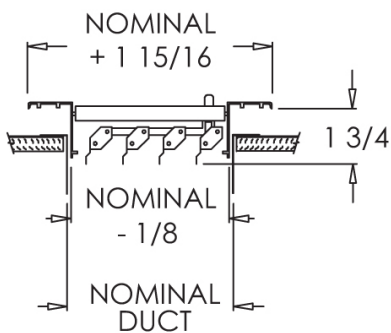
950 SERIES

Quality. Value. Performance tested.

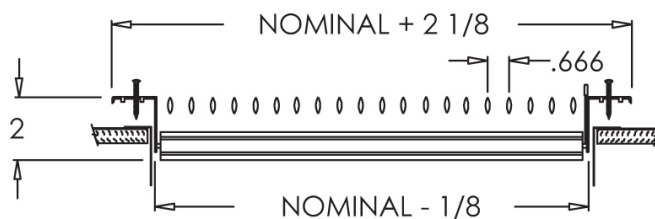


Adjustable
Aluminum
Airfoil Blade
Register

Model 950



Top View



Side View



ADJUSTABLE CEILING AND SIDEWALL DIFFUSERS

950 Series

Adjustable Aluminum Airfoil Blade Register

Model	Description
950	Aluminum Airfoil Blade Register
950-0	Aluminum Airfoil Blade Register with Opposed Blade Damper

FEATURES

- Adjustable aluminum airfoil blades oriented for 1 or 2 way airflow pattern
- Blades parallel to shortest dimension
- One piece stamped steel frame on most common sizes, alternate frame is extruded aluminum with signature line marks.
- Lever operated steel multi-shutter damper
- Designed for ceiling or sidewall applications
- Nylon bushings on adjustable blades allow for easy adjustment, and prevents metal on metal rattle for quiet operation
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze

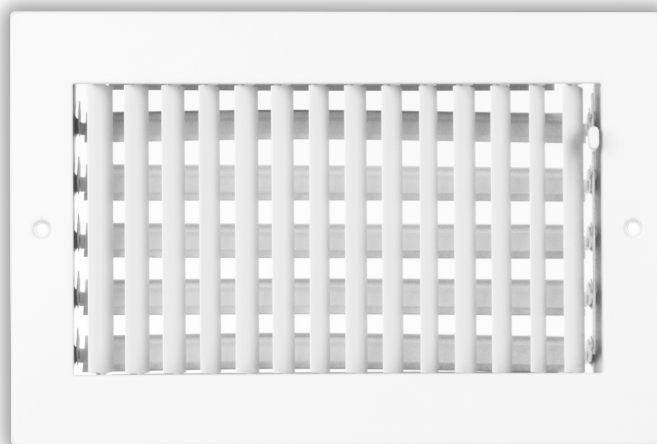


BK Black

Options:

- ▶ Lever operated Opposed Blade Damper
- ▶ Tool operated Opposed Blade Damper
- ▶ T-20 Tamper Proof Screws

Stamped Steel One Piece Frame Sizes			
6×6	10×6	12×12	14×14
8×4	10×10	14×4	16×6
8×6	12×4	14×6	16×8
8×8	12×6	14×8	18×6
10×4	12×8	14×10	18×8

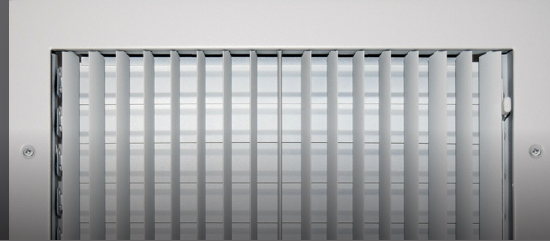


Model 950



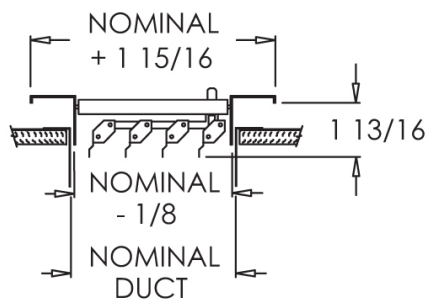
951 SERIES

Quality. Value. Performance tested.

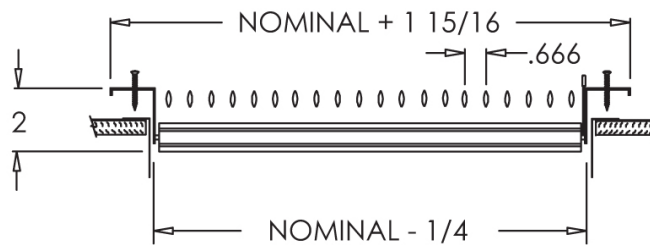


Adjustable
Steel Blade
Register

Model 951



Top View



Side View



ADJUSTABLE CEILING AND SIDEWALL DIFFUSERS

951 Series

Steel Blade Adjustable Register

Model	Description
951	Steel Blade Register
951-0	Steel Blade Register with Opposed Blade Damper

FEATURES

- Adjustable steel roll formed blades oriented for 1 or 2 way airflow pattern
- Blades parallel to shortest dimension
- One piece stamped steel frame on most common sizes, alternate frame is extruded aluminum with signature line marks
- Lever operated steel multi-shutter damper
- Designed for ceiling or sidewall applications
- Nylon bushings on adj. blades prevent metal on metal rattle
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish

Application • Sidewall, ceilings

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



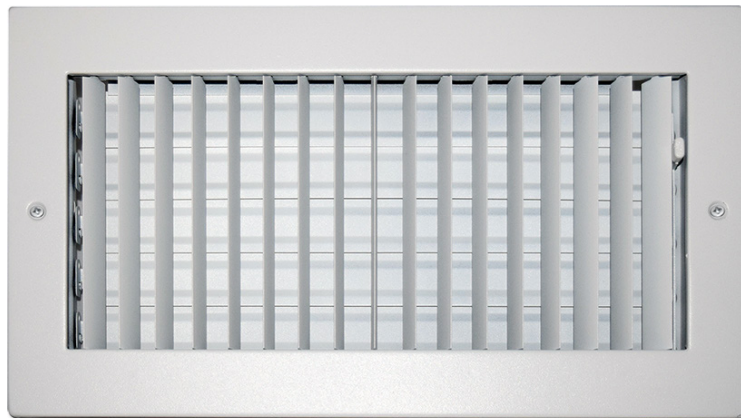
BK Black

Options:

- ▶ Lever operated Opposed Blade Damper
- ▶ Tool operated Opposed Blade Damper
- ▶ T-20 Tamper Proof Screws

Stamped Steel One Piece Frame Sizes

6×6	10×6	12×12	14×14
8×4	10×10	14×4	16×6
8×6	12×4	14×6	16×8
8×8	12×6	14×8	18×6
10×4	12×8	14×10	18×8



Model 951



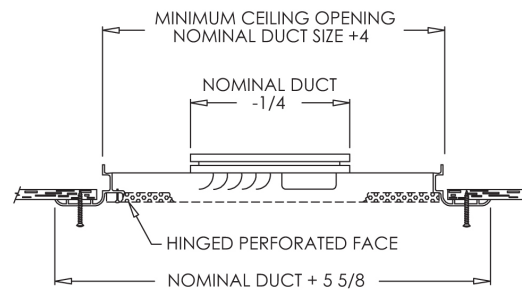
500 SERIES

Quality. Value. Performance tested.

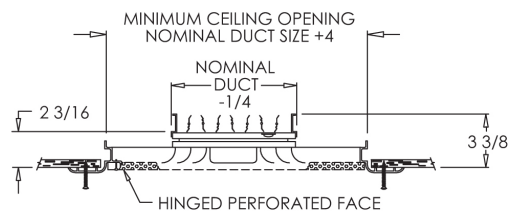
Adjustable
curved blade
diffuser

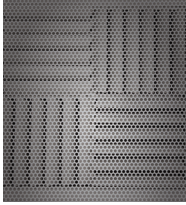
Moveable
modular
cores

Model 500MA



Model 500CB-0





PERFORATED DIFFUSER

500 Series

Perforated Curved Blade Diffuser

Model	Description
500MA	Perforated Face Neck Mounted Modular Core Diffuser
500MA-0	Perforated Face Neck Mounted Modular Core Diffuser with OBD
500CB	Perforated Face Neck Mounted Adjustable Curved Blade Diffuser
500CB-0	Perforated Face Neck Mounted Adjustable Curved Blade Diffuser with OBD

FEATURES

- Model 500MA has neck mounted modular diffuser
- Model 500CB has neck mounted adjustable curved blade diffuser
- Nylon bushings on adjustable blades prevent metal on metal rattle (500CB)
- Extruded aluminum frame with signature line marks
- Hinged perforated face with screwdriver access to release
- 3/16" holes on 1/4" staggered centers
- Steel 51% free area perforated face
- Square Collar
- Countersunk mounting holes for flush appearance with color matching Philips posi- drive screws
- Ceiling opening must be 4" larger in length and width than the nominal duct size
- Rust-resistant pre-coat with durable powder finish

Application • Ceiling, surface mount

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



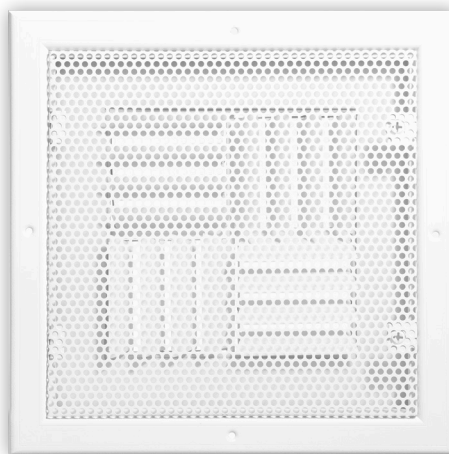
BZ Bronze



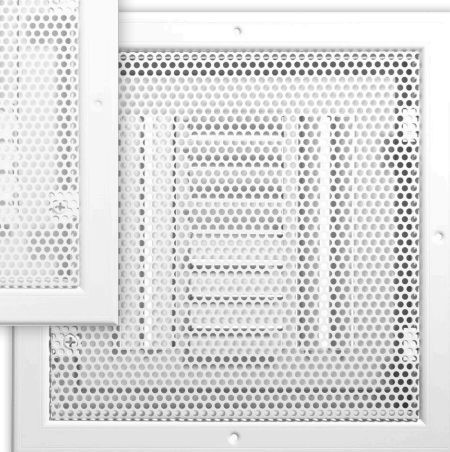
BK Black

Options

- ▶ 2" ADC-Compliant Round Collar with Bead for Ease of Installation
- ▶ 3" collar with bead option
- ▶ T-20 Tamper Proof Screws



Model 500MA



Model 500CB



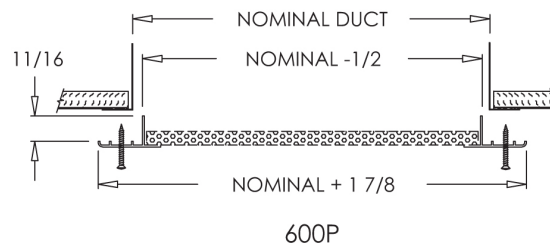
600P SERIES

Quality. Value. Performance tested.

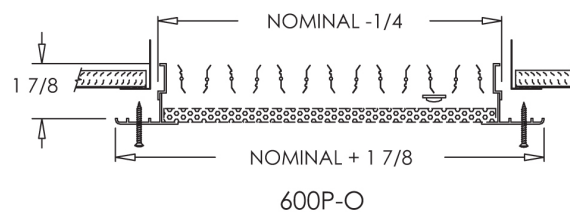
Perforated
material 51%
free area

Countersunk
mounting
holes for flush
appearance

Model 600P



Model 600P-0



PERFORATED RETURN AIR GRILLE

600P Series

Perforated Grille

Model	Description
600P	Perforated Grille
600P-0	Perforated Grille with Opposed Blade Damper

FEATURES

- 3/16" holes on 1/4" staggered centers
- Extruded aluminum frame with signature line marks
- Steel 51% free area perforated face
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



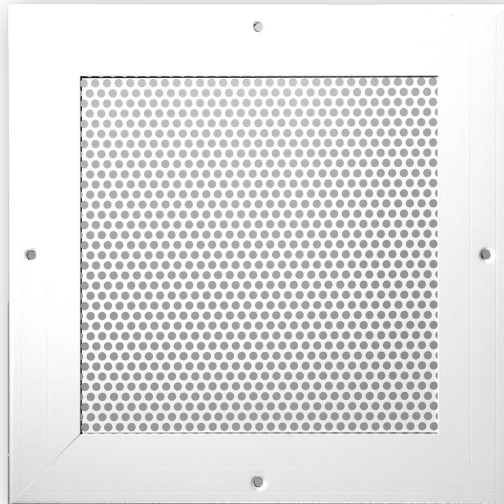
DT Driftwood Tan



BZ Bronze



BK Black



Model 600P

Options:

- ▶ 2" ADC-compliant round collar with bead for ease of installation – available in square sizes only
- ▶ 3" collar with bead option
- ▶ Optional opposed blade damper with recessed screwdriver adjustment
- ▶ Insect screen
- ▶ T-20 Tamper Proof Screws



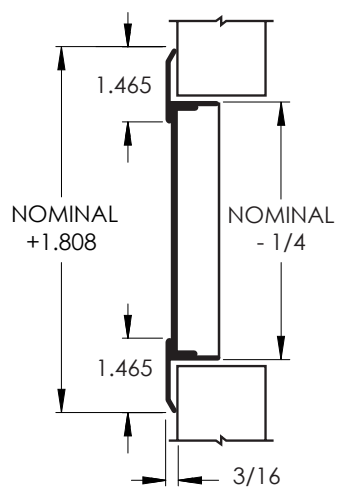
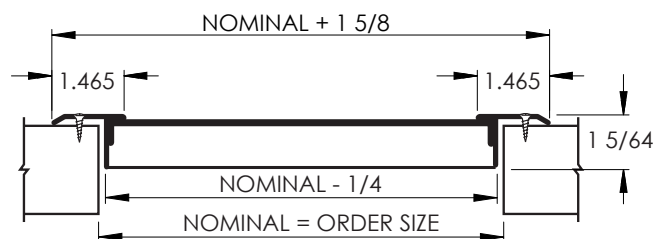
600P-SS SERIES

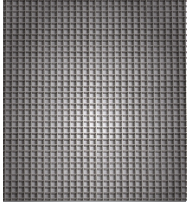
Quality. Value. Performance tested.

Perforated face
return air grille

Type 304
stainless
steel

Model 600P-SS





PERFORATED RETURN AIR GRILLE

600P-SS Series

Stainless Steel Perforated Return Air Grilles

Model	Description
600P-SS	Stainless Steel Perforated Return Air Grilles

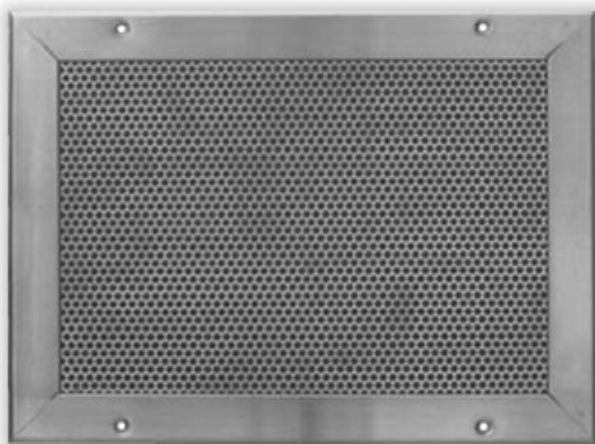
FEATURES

- Type 304 stainless steel
- Perforated face return air grille
- $\frac{3}{16}$ " holes on $\frac{1}{4}$ " staggered centers
- 51% free area
- Countersunk mounting holes with stainless sheet metal screws
- Minimum size 4"x 4"
- Maximum size 60"x 48"
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



Model 600P-SS

Options:

- ▶ Type 316 stainless steel
- ▶ Opposed blade damper
- ▶ Square to round transition collar
- ▶ T-Bar application
- ▶ Tamper Proof Screws - stainless steel Torx Center Pin
- ▶ Powder coat finish



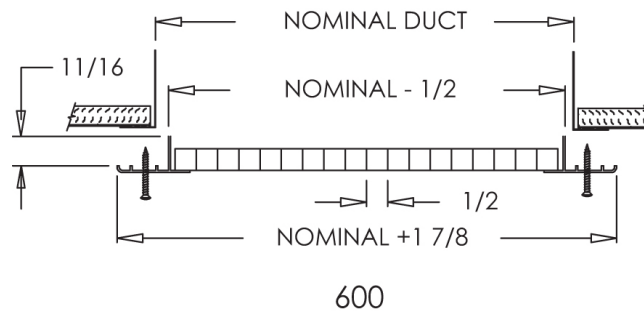
600 SERIES

Quality. Value. Performance tested.

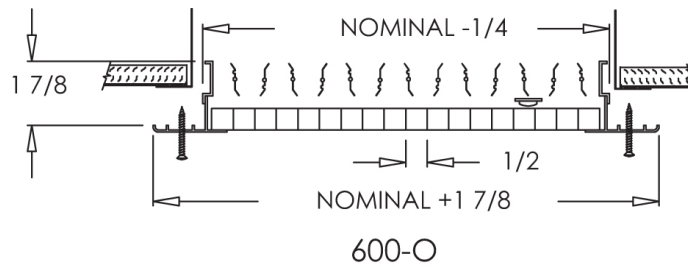
Lattice grille

Sightproof
aluminum
lattice

Model 600



Model 600-0



LATTICE RETURN AIR GRILLE

600 Series

45° Aluminum Lattice Return Air Grille

Model	Description
600	Lattice Grille
600-0	Lattice Grille with Opposed Blade Damper

FEATURES

- 1/2" x 1/2" x 1/2" Aluminum lattice surface mount grille
- Extruded aluminum frame with signature line marks
- Lattice material 90% free area
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



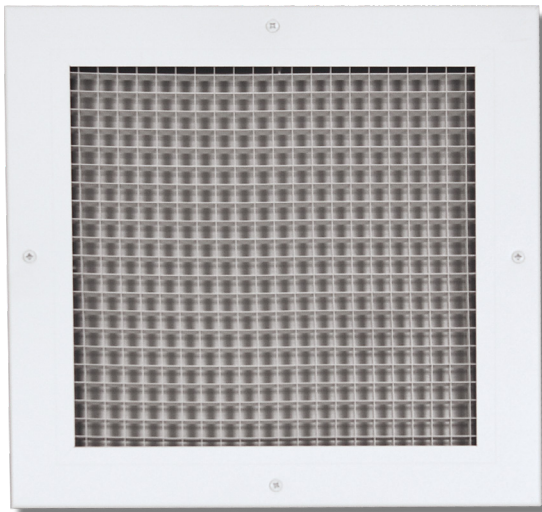
DT Driftwood Tan



BZ Bronze



BK Black



Model 600

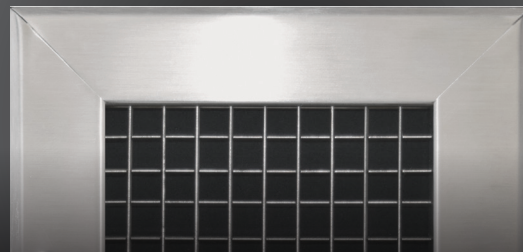
Options:

- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ 1" x 1" x 1" Lattice (LTC3)
- ▶ 1/2" x 1/2" x 1" Lattice (LTC2)
- ▶ Continuous lengths with butt joints
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ 2" ADC compliant round collar with bead for ease of installation - available in square sizes only
- ▶ T-20 Tamper Proof Screws



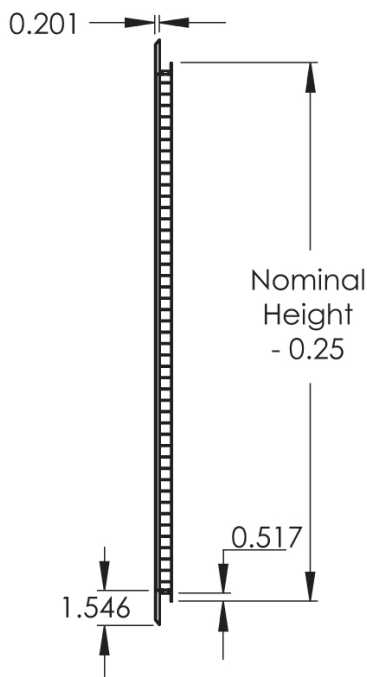
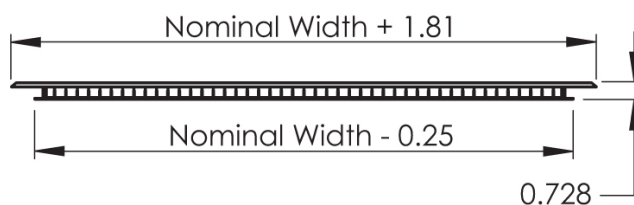
600-SS SERIES

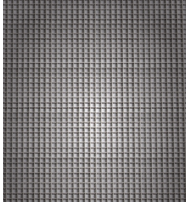
Quality. Value. Performance tested.



1/2" x 1/2" x 1/2"
pattern

Model 600-SS





LATTICE RETURN AIR GRILLE

600-SS Series

Stainless Steel Eggcrate Return Air Grille

Model	Description
600-SS	Stainless Steel Eggcrate Return Air Grille

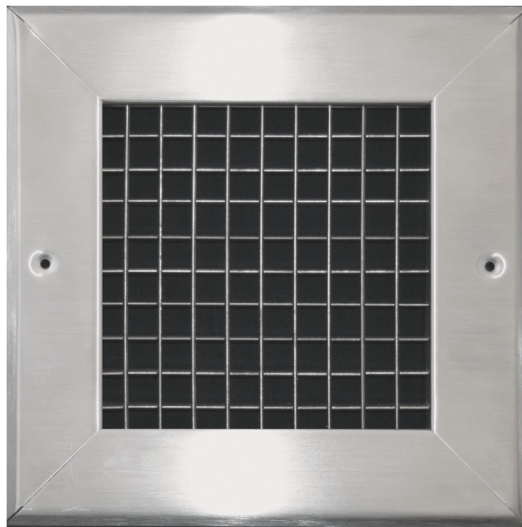
FEATURES

- Type 304 stainless steel
- 1/2" x 1/2" x 1/2" pattern
- 90% free area
- Countersunk mounting holes with stainless sheet metal screws
- Minimum size 4"x 4"
- Maximum size 48"x 48"
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Available Finish • Satin polished finish



Model 600-SS

Options:

- ▶ Type 316 stainless steel
- ▶ Opposed blade damper
- ▶ Square to round transition collar
- ▶ T-Bar Application
- ▶ 1" x 1" x 1" pattern
- ▶ Core only
- ▶ Tamper Proof Screws - stainless steel Torx Center Pin
- ▶ Channel frame
- ▶ Powder coat finish



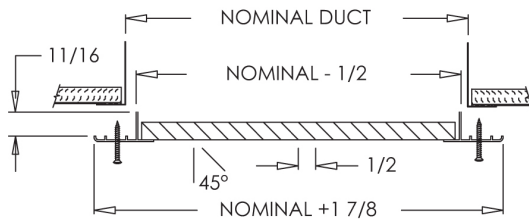
645 / 646 SERIES

Quality. Value. Performance tested.

Lattice grille

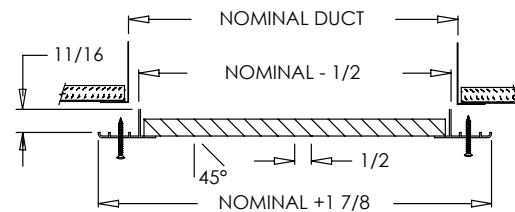
Sightproof
aluminum
lattice

Model 645



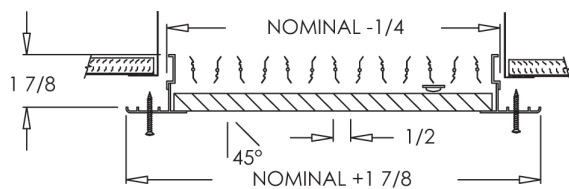
645

Model 646



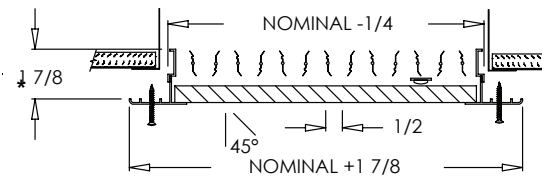
646

Model 645-O



645-O

Model 646-O



646-O

LATTICE RETURN AIR GRILLE

645 / 646 Series

45° Aluminum Lattice Return Air Grille

Model	Description
645	45° Lattice Grille Parallel w/short Dimension
645-0	45° Lattice Grille with Opposed Blade Damper
646	45° Lattice Grille Parallel w/long Dimension
646-0	45° Lattice Grille with Opposed Blade Damper

FEATURES

- 1/2" x 1/2" x 1/2" 45° sight proof aluminum lattice, deflection parallel to longest dimension
- Extruded aluminum surface mount frame with signature line marks
- Lattice material 90% free area
- Available up to 24"x24" in one lattice piece
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



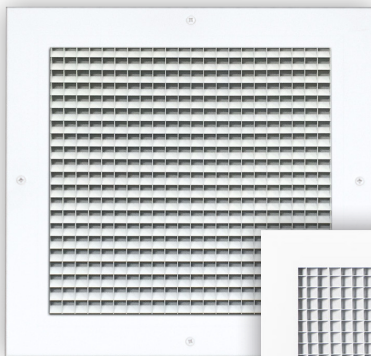
DT Driftwood Tan



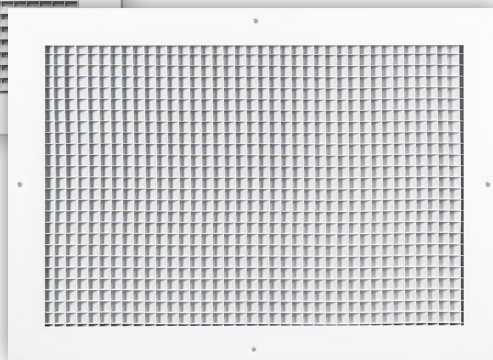
BZ Bronze



BK Black



Model 645



Model 646

Options:

- ▶ 1/2" x 1/2" x 1/2" 45° sightproof aluminum lattice, deflection parallel to shortest dimension (646)
- ▶ Recessed screwdriver operated Opposed Blade Damper
- ▶ Continuous lengths with butt joints
- ▶ Fractional, exact I.D. and O.D. sizes
- ▶ MRI Compatible
- ▶ Insect Screen
- ▶ 2" ADC compliant round collar with bead for ease of installation - available in square sizes only
- ▶ T-20 Tamper Proof Screws



100 SERIES

Quality. Value. Performance tested.

Designed
for 4-way
uniform air
distribution

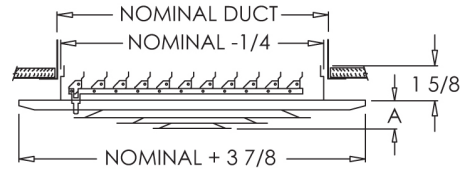
Step down
ceiling
diffuser

Model 100



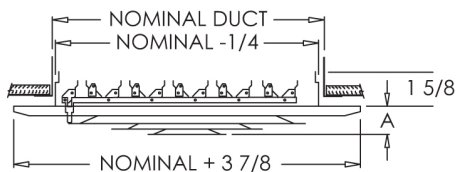
100

Model 100-D



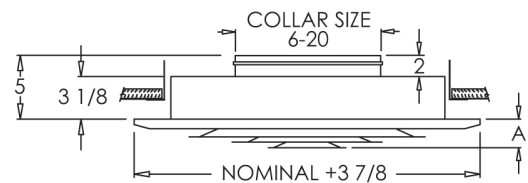
100-D

Model 100-O



100-O

Model 100-NLC Square to Round Collar (Optional)



100 with Square to Round Collar (optional)



LOUVERED CEILING DIFFUSERS

100 Series

Step Down Ceiling Diffuser

Model	Description
100	Step Down Ceiling Diffuser
100-D	Step Down Ceiling Diffuser with Multi-Shutter Damper
100-O	Step Down Ceiling Diffuser with Opposed Blade Damper
100-NLC	Step Down Ceiling Diffuser, Square to Round Collar

FEATURES

- Steel construction
- Step down core designed for 4-way uniform air distribution
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust-resistant pre-coat with durable powder finish

Application • Ceiling surface mount

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 100

Options:

- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" collar with bead option
- ▶ T-20 Tamper Proof Screws



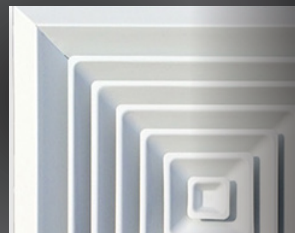
DVD SERIES

Quality. Value. Performance tested.

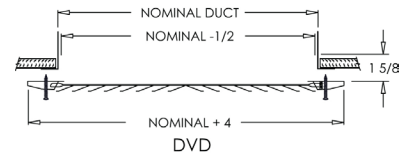
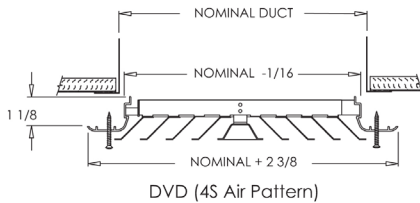
Square
directional
diffuser



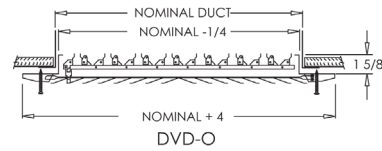
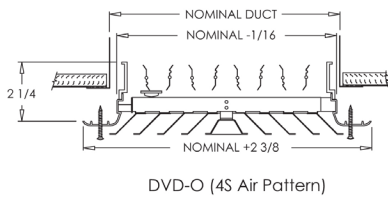
Deep ceiling
frame available



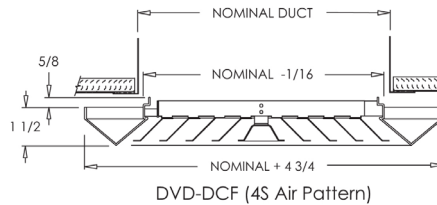
Model DVD (4S)



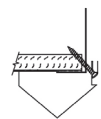
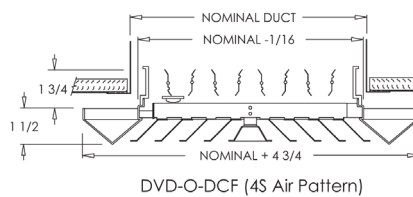
Model DVD-0 (4S)



Model DVD-DCF (4S)



Model DVD-0-DCF (4S)



DCF
Concealed Mount



LOUVERED CEILING DIFFUSERS

DVD Series

Directional Diffuser

Model	Description
DVD	Directional Diffuser
DVD-DCF	Directional Diffuser Deep Ceiling Frame
DVD-0	Directional Diffuser with Opposed Blade Damper
DVD-0-DCF	Directional Diffuser Deep Ceiling Frame With Opposed Blade Damper

FEATURES

- Designed to handle high volumes of air with horizontal flow
- Steel construction
- 14 air patterns available
- Square collar
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Model DCF have concealed mounting holes
- Rust-resistant pre-coat with durable powder finish

Application • Ceilings surface mount
Recommended for • Commercial applications
Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



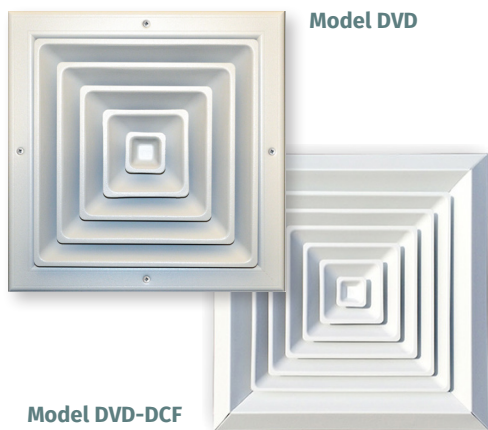
DT Driftwood Tan



BZ Bronze



BK Black



Options

- ▶ Concealed mounting holes
(MODEL: DVD-CM - not pictured)
- ▶ Recessed screwdriver operated Opposed Blade Damper
(MODEL: DVD-0 / DVD-0-DCF - not pictured)
- ▶ 2" ADC-compliant round collar with bead for ease of installation
- ▶ 3" collar with bead option
- ▶ T-20 Tamper Proof Screws

Air Patterns

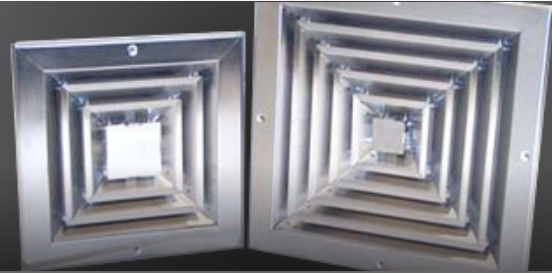
1RH	1RV	1S	2CRL	2CRR	2RH	2RV
2S	2SC	3H	3R	3S	4R	4S



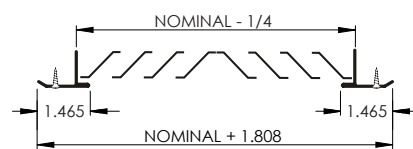
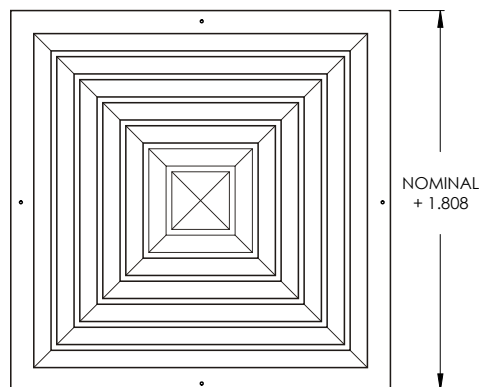
DVD-SS SERIES

Quality. Value. Performance tested.

Type 304
stainless steel



Model DVD-SS





LOUVERED CEILING DIFFUSERS

DVD-SS Series

Stainless Steel Surface Mount Louvered Ceiling Diffuser

Model	Description
DVD-SS	Stainless Steel Surface Mount Louvered Ceiling Diffuser

FEATURES

- Type 304 stainless steel
- Fixed louvered air pattern with non-removable core
- Five air patterns available
- Countersunk mounting holes with stainless sheet metal screws
- Minimum size is 4"x 4"
- Maximum size is 48"x 24"
- Satin polished finish

Application • Ceilings surface mount

Recommended for • Commercial applications

Standard Finish

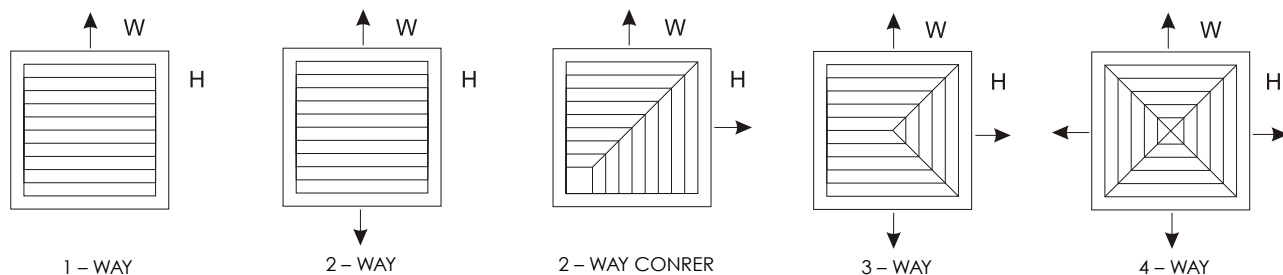


Model DVD-SS

Options

- ▶ Air Patterns
- ▶ Type 316 stainless steel
- ▶ Square to round transition collar
- ▶ T-Bar application
- ▶ Mixing vanes
- ▶ Stainless steel hinge on 4 sides for adjustable throws
- ▶ Fractional, exact I.D. and O.D. dimensions
- ▶ Tamper Proof Screws - stainless steel Torx Center Pin

Air Patterns





1500 / 1530 SERIES

Quality. Value. Performance tested.

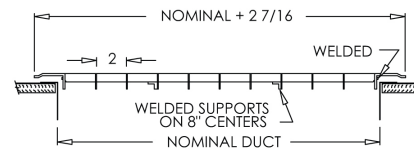
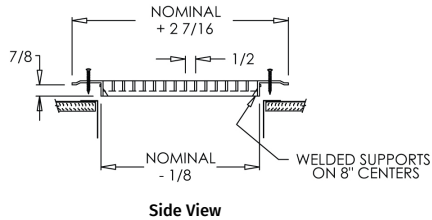
Gym grade
construction



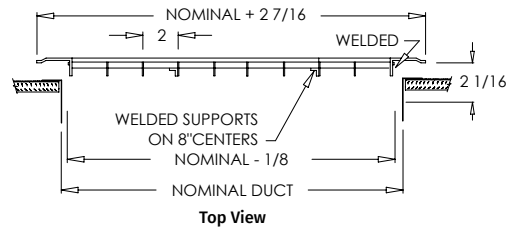
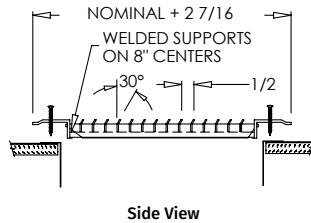
Welded
core and
extra bar



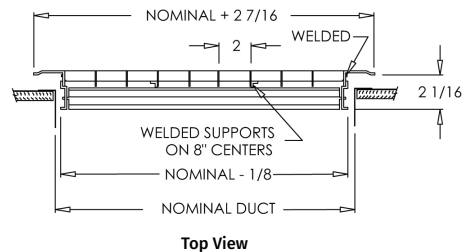
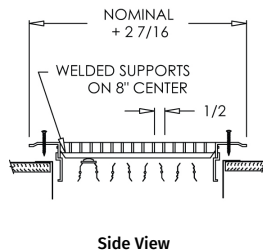
Model 1500



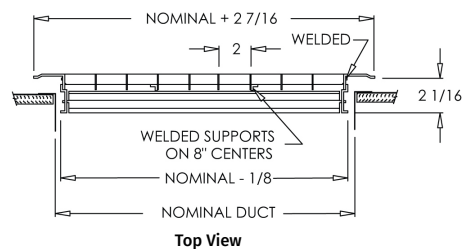
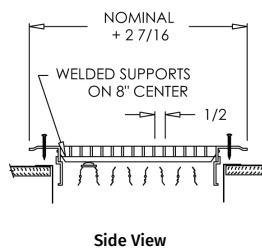
Model 1530



Model 1500-0



Model 1530-0





GYM GRADE REGISTER

1500 / 1530 Series

Gym Grade Bar Grille and Register

Model	Description
1500	Grille with 0° Deflection
1500-0	Grille with 0° Deflection Opposed Blade Damper
1530	Grille with 30° Deflection
1530-0	Grille with 30° Deflection Opposed Blade Damper

FEATURES

- Steel Construction
- Fixed bars at 0° or 30° blade pitch
- Gym grade construction includes welded core and extra bar supports for heavy duty applications insert (1500-HD)
- Bars run parallel to longest dimension
- Mounting holes with color matching Phillips posi-drive screws
- Available in even sizes only
- Rust-resistant pre-coat with durable powder finish
- Optional no mounting holes for floor applications insert (1600)
- Optional tamper proof screws

Application • Ceiling surface mount

Recommended for • Commercial applications

Standard Finish



DT Driftwood Tan

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



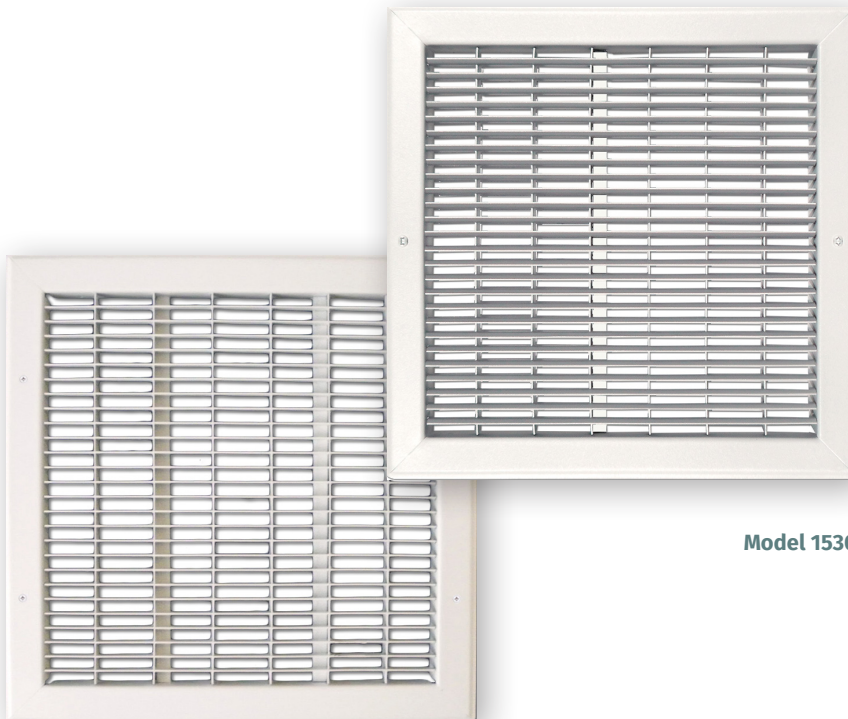
SW Soft White



BZ Bronze



BK Black



Model 1530

Model 1500

Options:

- ▶ No Mounting Holes for Floor Application
- ▶ Bars parallel to shortest dimension
- ▶ Optional opposed blade damper with recessed screwdriver adjustment



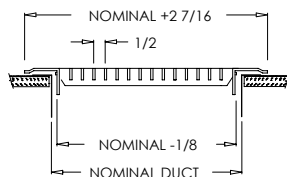
1600 / 1630 SERIES

Quality. Value. Performance tested.

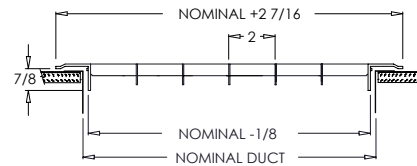
Heavy duty steel
honeycomb
construction



Model 1600

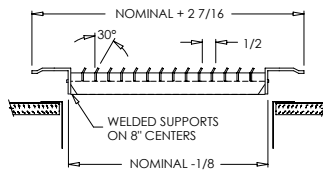


Side View

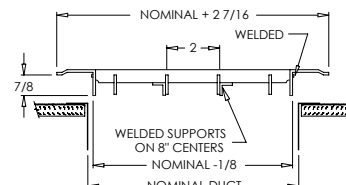


Top View

Model 1630

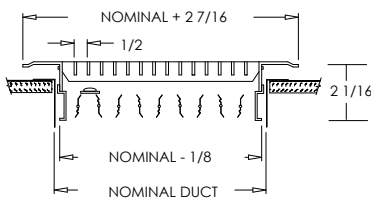


Side View



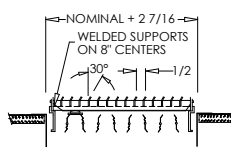
Top View

Model 1600-0

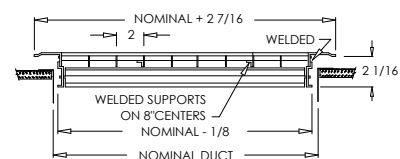


Side View

Model 1630-0



Side View



Top View



HEAVY DUTY FLOOR GRILLE

1600 / 1630 Series

Heavy Duty Floor Grille with 0° Deflection

Model	Description
1600	Grille with 0° Deflection
1600-0	Grille with 0° Deflection Opposed Blade Damper
1630	Grille with 30° Deflection
1630-0	Grille with 30° Deflection Opposed Blade Damper

FEATURES

- Fixed bars with 0° or 30° deflection
- Heavy duty steel honeycomb construction
- Flush core and frame provides smooth surface
- Bars run parallel to longest dimension
- Available in even sizes only
- Rust resistant pre-coat with durable powder finish

Application • Ceiling surface mount

Recommended for • Commercial applications

Standard Finish



DT Driftwood Tan

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



SW Soft White



BZ Bronze



BK Black

Options:

- ▶ Heavy Duty Construction
- ▶ Recessed screwdriver-operated opposed blade damper
- ▶ Reinforced welded core and opposed blade damper
- ▶ Bars parallel to shortest dimension



Model 1600



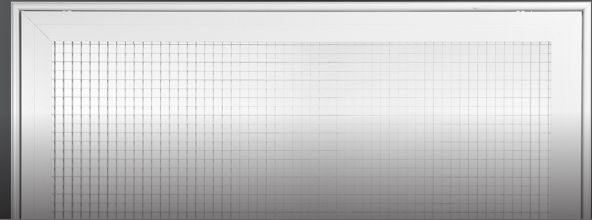
Model 1630



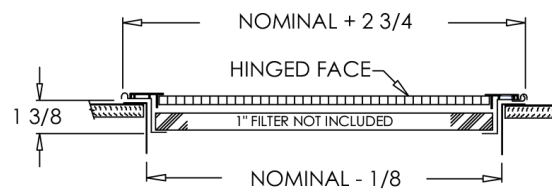
600FG SERIES

Quality. Value. Performance tested.

Hinged
removable
extruded
aluminum

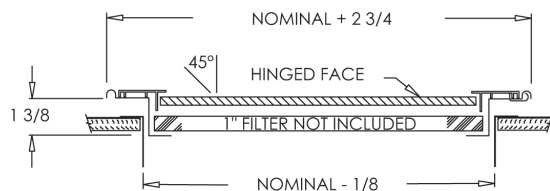


Model 600FG1



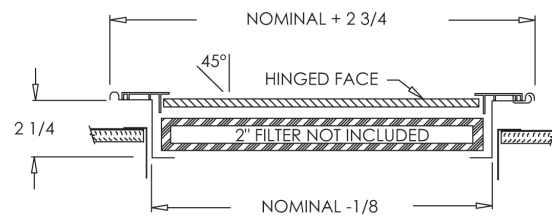
600FG1

Model 645FG1

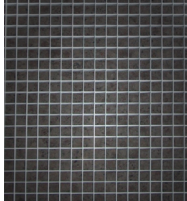


645FG1

Model 645FG2



645FG2



LATTICE FILTER GRILLE

600FG Series

Lattice Return Filter Grille

Model	Description
600FG1	All Aluminum Construction, 0° Lattice, 1" Deep Filter

FEATURES

- 1/2"x1/2"x1/2" aluminum lattice face
- 1/2" x 1/2" x 1/2" 45° sight proof aluminum lattice, deflection parallel to longest dimension (Models 645FG1)
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



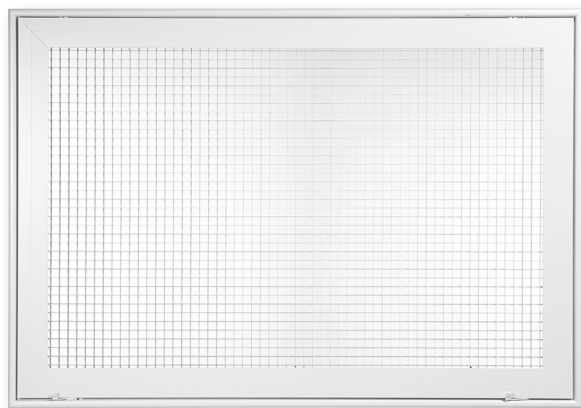
DT Driftwood Tan



BZ Bronze



BK Black



Model 600FG

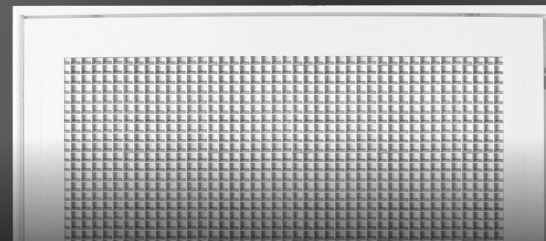
Options:

- ▶ 1/2 x 1/2 x 1 lattice (LTC2)
- ▶ 1 x 1 x 1 lattice (LTC3)
- ▶ Alternative hinge and latch options – Filter Grille Order Supplement form on website



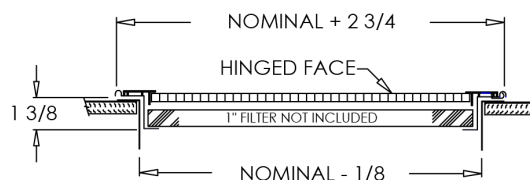
620FG SERIES

Quality. Value. Performance tested.



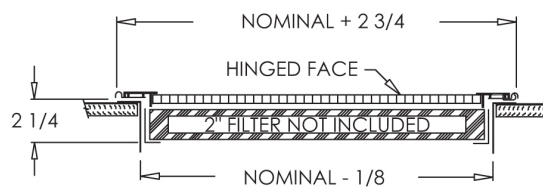
Hinged
removable
extruded
aluminum

Model 620FG1



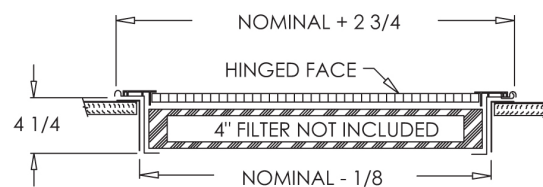
620FG1

Model 620FG2



620FG2

Model 620FG4



620FG4

LATTICE FILTER GRILLE

620FG Series

Lattice Return Filter Grille

Model	Description
620FG1	0° Lattice, 1" Deep Filter
645FG1	All Aluminum Construction, 45° Lattice, 1" Deep Filter
620FG2	0° Lattice, 2" Deep Filter
620FG4	0° Lattice, 4" Deep Filter
645FG2	45° Lattice, 2" Deep Filter
645FG4	45° Lattice, 4" Deep Filter

FEATURES

- 1/2"x1/2"x1/2" aluminum lattice face
- 1/2" x 1/2" x 1/2" 45° sight proof aluminum lattice, deflection parallel to longest dimension (Models 645FG2 and 645FG4)
- Industry standard is to use fractions when describing egg crate/lattice
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



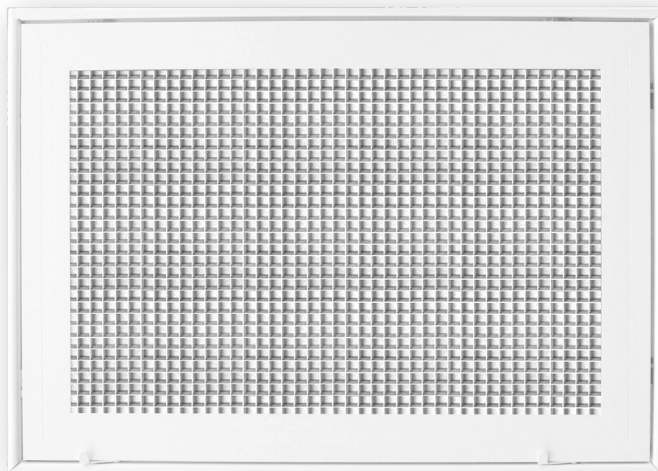
DT Driftwood Tan



BZ Bronze



BK Black



Model 620FG

Options:

- Perforated face filter grille
(MODEL: 620PFG1 / 620PFG2 / 620PFG4)



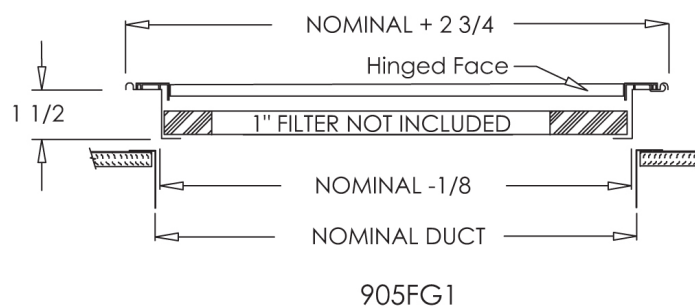
905FG SERIES

Quality. Value. Performance tested.

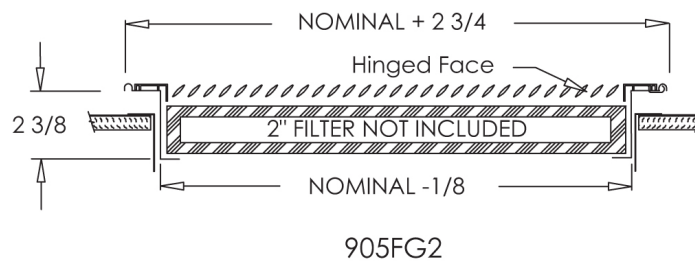
Fixed 45°
Airfoil Blade



Model 905FG1



Model 905FG2





FIXED BLADE FILTER GRILLE

905FG Series

Aluminum Airfoil Blade Return Filter Grille

Model	Description
905FG1	Fixed 45° Blade Pitch Parallel to Longest Dimension 1" Deep Filter
905FG2	Fixed 45° Blade Pitch Parallel to Longest Dimension 2" Deep Filter
905FG4	Fixed 45° Blade Pitch Parallel to Longest Dimension 4" Deep Filter

FEATURES

- Fixed 45° aluminum airfoil blades parallel to the longest dimension
- 2/3" Blade spacing
- Hinged removable extruded aluminum face frame with signature line marks
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 905FG1

Options:

- ▶ *Blades Parallel to Shortest Dimension*
(MODEL: 906FG1 / 906FG2 / 906FG4 - Not Pictured)
- ▶ *Adjustable Airfoil Blade Filter Grille*
(MODEL: 901FG / 902FG - Not Pictured)
- ▶ *Fixed 0° Aluminum Airfoil Blades*
(MODEL: 907FG / 908FG - Not Pictured)
- ▶ *Alternative Hinge and Latch Options – See Filter Grille Order Supplement Form on Website*



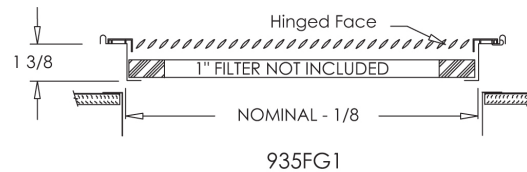
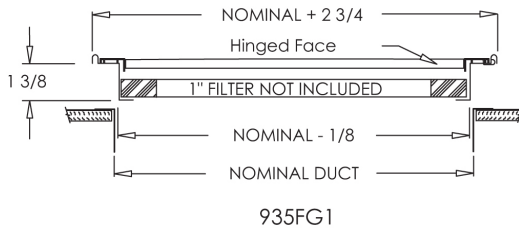
935FG SERIES

Quality. Value. Performance tested.

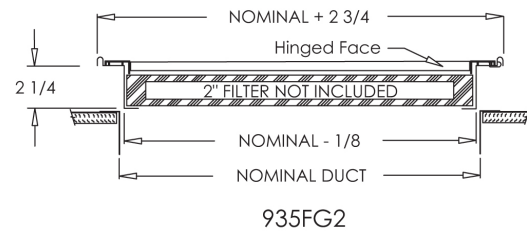
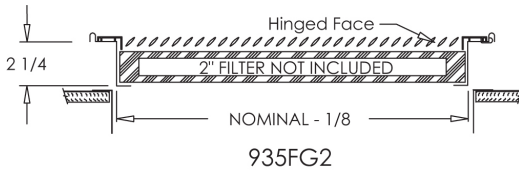
Hinged removable
extruded aluminum grille

Fixed 45°
steel blade

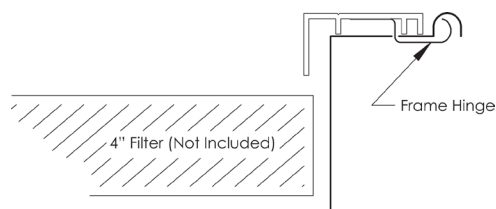
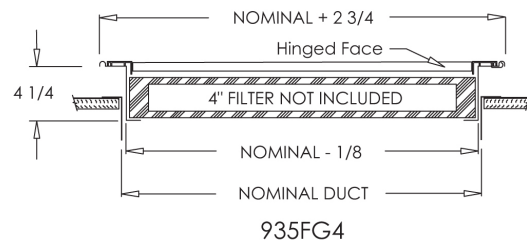
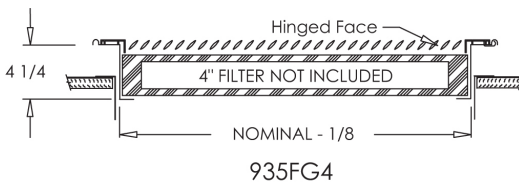
Model 935FG1

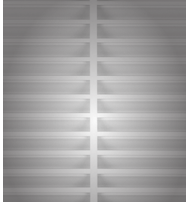


Model 935FG2



Model 935FG4





FIXED BLADE FILTER GRILLE

935FG Series

Steel Fixed 45° Blade Return Filter Grille

Model	Description
935FG1	Blades Parallel to Longest Dimension 1" Deep Filter
935FG2	Blades Parallel to Longest Dimension 2" Deep Filter
935FG4	Blades Parallel to Longest Dimension 4" Deep Filter

FEATURES

- Roll formed steel blades fixed at 45° parallel to the longest dimension
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Model 935FG



Options:

- ▶ *Blades Parallel to The Shortest Dimension*
(MODEL: 936FG1 / 936FG2 / 936FG4 - Not Pictured)
- ▶ *Alternative Hinge and Latch Options – See Filter Grille Order Supplement Form on Website*



935FG-SS SERIES

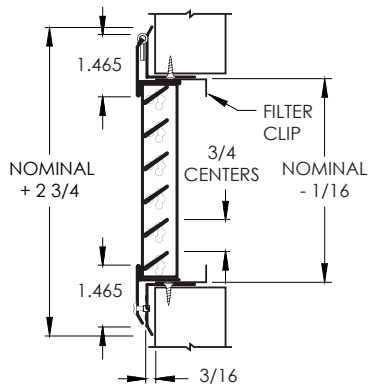
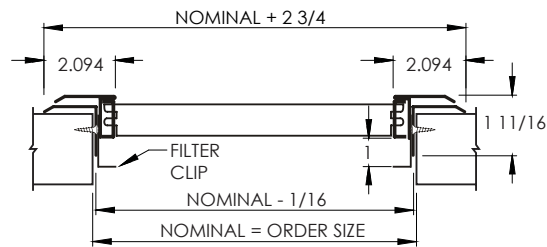
Quality. Value. Performance tested.



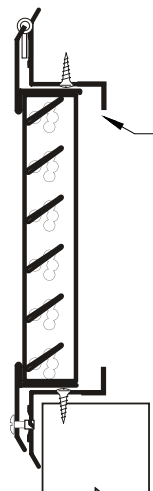
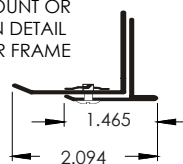
Fixed 45°
steel blade

Hinged face with
hinges on top

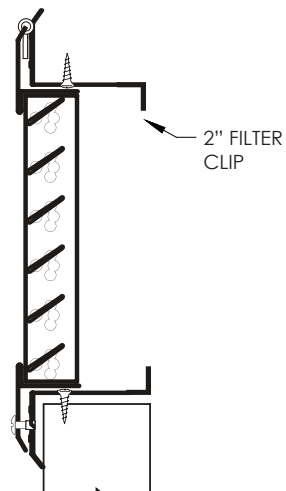
Model 935FG-SS



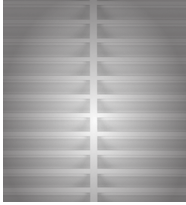
SURFACE MOUNT OR
T-BAR LAY-IN DETAIL
1000 PLASTER FRAME



935FG1-SS



2" FILTER CAPACITY
OPTION



FIXED BLADE FILTER GRILLE

935FG-SS Series

Stainless Steel Hinged Filter Grille

Model	Description
935FG-SS	Stainless Steel Hinged Filter Grille

FEATURES

- Type 304 stainless steel
- Fixed airfoil blades at 45° are parallel to longest dimension
- Blades are set on 3/4" centers
- Hinged face with hinges on top
- Holds up to a 1" filter (not included)
- Satin polished finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Available Finish • Satin polished finish



Model 935FG-SS

Options:

- ▶ 2" Filter capacity
- ▶ T-Bar application
- ▶ Type 316 stainless steel
- ▶ Short blades
- ▶ Alternative hinge and latch options available
- ▶ Opposed blade damper
- ▶ Square to round transition collar
- ▶ 1/2" centers



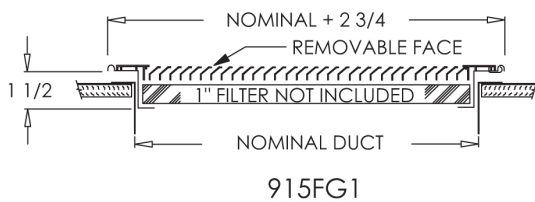
915FG SERIES

Quality. Value. Performance tested.

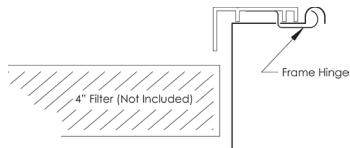
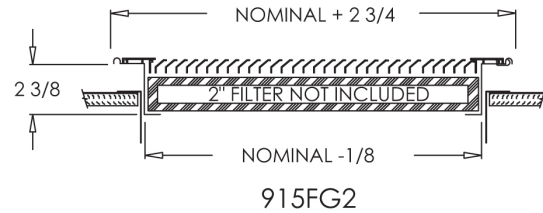
Fixed 45° bar blade

Hinges parallel to longest side

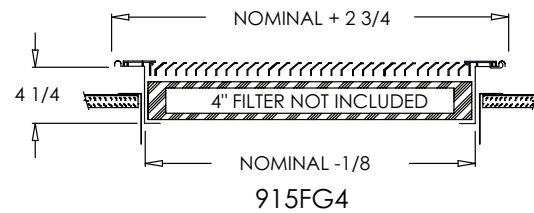
Model 915FG1



Model 915FG2



Model 915FG4





FIXED BLADE FILTER GRILLE

915FG Series

Fixed Bar Return Filter Grille

Model	Description
915FG1	All Aluminum Fixed 45° Bar Blade 1" Filter Capacity
915FG2	Fixed 45° Bar Blade 2" Filter Capacity
915FG4	Fixed 45° Bar Blade 4" Filter Capacity

FEATURES

- Fixed 45° aluminum bar blades parallel to longest dimension
- 2/3" Blade spacing
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Rust-resistant pre-coat with durable powder finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 915FG

Options

- ▶ *Blades parallel to shortest dimension (MODEL: 916FG1 / 916FG2 / 916FG4 - not pictured)*
- ▶ *Alternative hinge and latch options – see Filter Grille Order Supplement form on website*



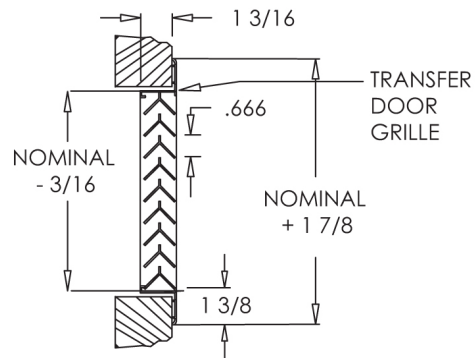
4000 SERIES

Quality. Value. Performance tested.

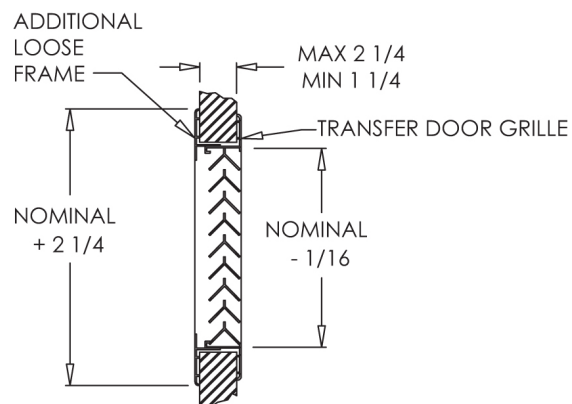
Designed to
minimize vision
through grille

Countersunk
mounting
holes for flush
appearance

4000 Series



4000 SERIES



4100 SERIES



DOOR GRILLE

4000 Series

Aluminum Transfer Door Grille

Model	Description
4000	Single Frame
4100	Double Frame

FEATURES

- Extruded aluminum construction
- Completely sight-proof design
- High free area
- 4100 Accommodates door thicknesses ranging from 1¼" to 2¼"
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust-resistant pre-coat with durable powder finish

Application • Door

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



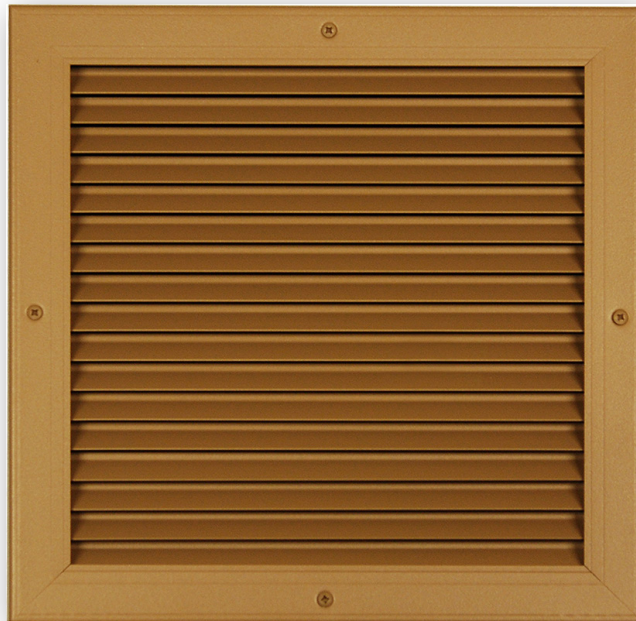
DT Driftwood Tan



BZ Bronze



BK Black



Model 4000

Options

- ▶ Aluminum Transfer Door Grille With Additional Loose Frame
- ▶ (MODEL: 4100 - Not Pictured)



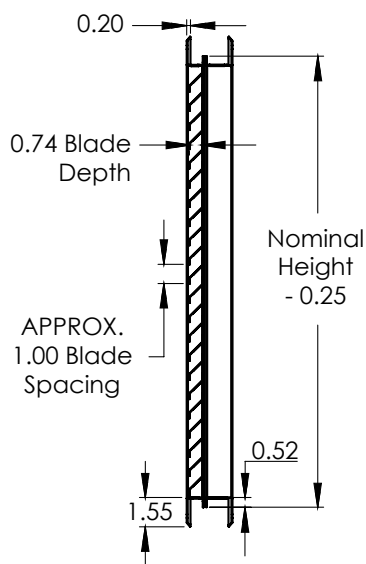
4100-SS SERIES

Quality. Value. Performance tested.

Designed to
minimize vision
through grille

Countersunk
mounting
holes for flush
appearance

4100-SS Series





DOOR GRILLE

4100-SS Series

Stainless Steel Louvered Door Grille

Model	Description
4100-SS	Louvered Door Grille with Auxiliary Frame

FEATURES

- Type 304 stainless steel
- Fixed louvered blades parallel to the 1st dimension given
- Designed for transfer air with limited vision into wood or hollow doors
- Loose frame to complete finished look on both sides of door
- Countersunk mounting holes for flush appearance with stainless sheet metal screws
- Satin polished finish

Application • Door

Recommended for • Commercial applications

Available Finish • Satin polished finish



Model 4100-SS

Option

- Aluminum Transfer Door Grille With Additional Loose Frame



RD SERIES

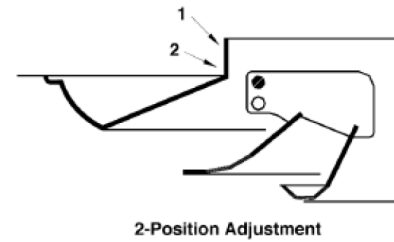
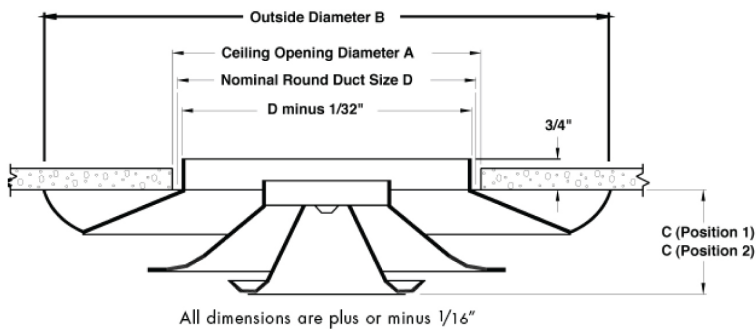
Quality. Value. Performance tested.

Available
with opposed
blade radial damper



Uniform 360°
discharge
pattern

Model RD



RD Dimensions

Size	A	B	C (POS. 1)	C (POS. 2)
6"	6 1/2"	11 1/8"	1 3/4"	1 1/8"
8"	8 1/2"	14 3/4"	2 1/8"	1 1/2"
10"	10 1/2"	18 1/4"	2 7/8"	2 1/8"
12"	12 1/2"	22"	3 1/8"	2 3/8"
14"	14 1/2"	26"	3 1/8"	2 5/8"
16"	16 1/2"	29"	4"	3 1/4"
18"	18 1/2"	32 1/2"	4 3/4"	3 7/8"
20"	20 1/2"	36"	5 7/8"	4 7/8"
24"	24 1/2"	43 1/4"	7 3/4"	6 5/8"

* See website for additional dimensions and sizes



ROUND CEILING DIFFUSER

RD Series

Round Diffuser

Model	Description
RD	Round Ceiling Diffuser
RD-OBR	Round Ceiling Diffuser with Opposed Blade Radial Damper

FEATURES

- Steel Construction
- Uniform 360° discharge pattern
- 2 position adjustment for heating and cooling seasons
- All sizes have 3 cones for uniform appearance To adjust diffuser, remove the two center cones as a unit and reposition the six screws
- Retainer cables are provided on sizes 12" and larger to allow the inner cones to hang securely while adjusting the diffuser
- Available in even sizes 6" to 20" and 24"
- ¾" round collar
- Optional opposed blade radial damper with recessed tool adjustment

Application • Ceiling surface mount and exposed duct

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model RD

Options

- Opposed Blade Radial Damper
- (MODEL: RD-OBR - Not Pictured)



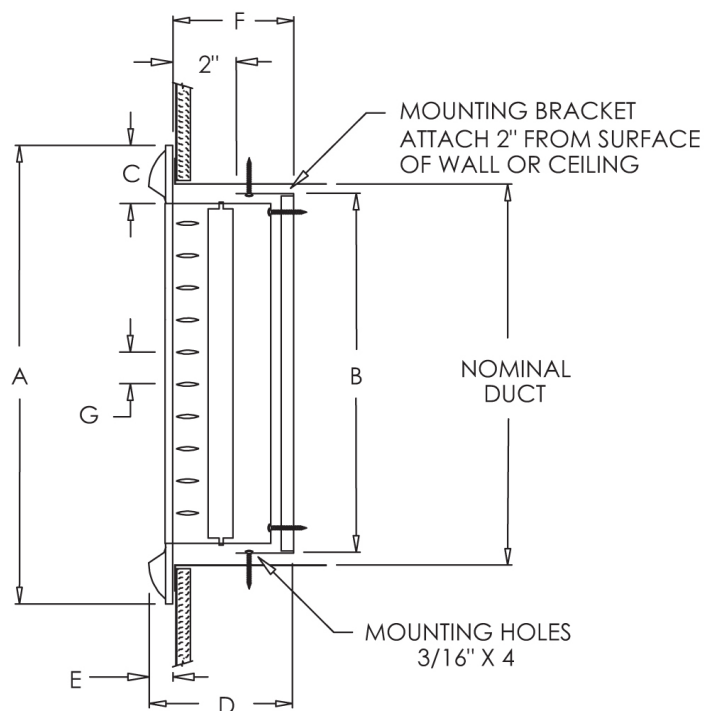
1201 SERIES

Quality. Value. Performance tested.

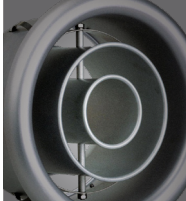
Provides wide
dispersion
patterns



Model 1201



1201



ALUMINUM ROUND DIFFUSERS

1201 Series

Aluminum Double Deflection Round Grille

Model	Description
1201	Double Deflection Round Grille

FEATURES

- Long air throws
- Provides wide dispersion patterns to long throw narrow air streams
- Hidden mounting mechanism
- Double deflection wall or ceiling register
- Heavy gauge aluminum body
- Gloss White

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Gloss white



Model 1201

Option

► *MRI Compatible*



1202 SERIES

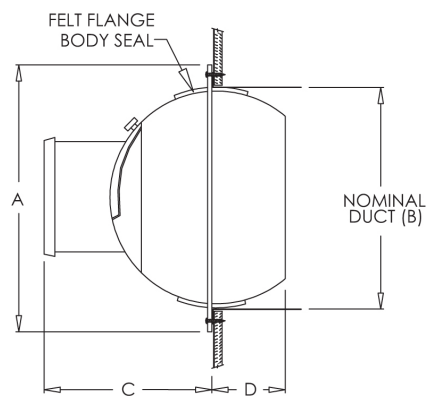
Quality. Value. Performance tested.

Solid aluminum
rotatable body



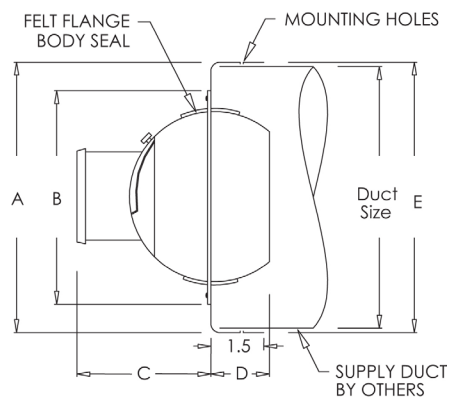
Excellent for
spot heating
and cooling

Model 1202

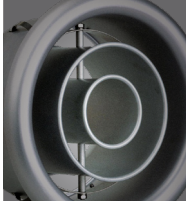


1202

Model 1202R



1202R



ALUMINUM ROUND DIFFUSERS

1202 Series

Aluminum Round Spot Diffuser

Model	Description
1202	Round Spot Diffuser
1202R	Round Spot Diffuser With Round Duct Adapter

FEATURES

- Solid aluminum rotatable body
- Excellent for spot heating and cooling, can move conditioned air from an inaccessible place into the work environment
- Precision adjustable aluminum air flow exit plate
- Double felt flange body seal to prevent air leakage
- Closed cell neoprene or felt mounting gasket, depending on unit size
- Easy adjustment of air flow by turn of a knob
- Maximum rotation angle up to 33° to 42° in all directions
- Clear Anodized

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Clear Anodized

Options

- ▶ Exposed duct mount with round duct adapter (1202R)
- ▶ Panel mount with up to 4 diffusers per panel (1205)
- ▶ MRI Compatible



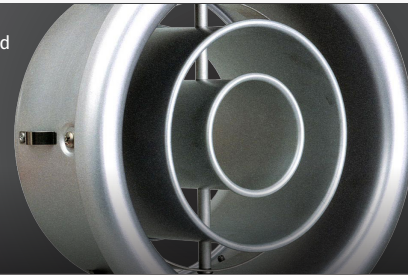
Model 1202



1203 SERIES

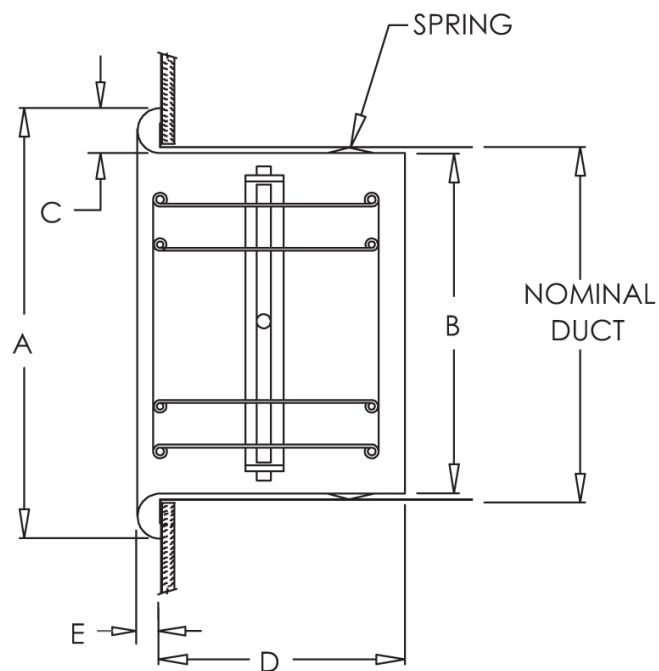
Quality. Value. Performance tested.

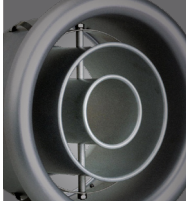
Deep housing and
inner concentric
rings



Designed for high
volume long throw
applications

Model 1203





ALUMINUM ROUND DIFFUSERS

1203 Series

Aluminum Turbo Nozzle Diffuser

Model	Description
1203	Turbo Nozzle Diffuser

FEATURES

- Aluminum construction deep housing and inner concentric rings
- Deep housing and inner concentric rings designed for high volume long throw applications
- Adjustable air direction
- Easily installed with use of strong spring clips
- No screws necessary for wall mounting resulting in a clean appearance
- Anodized finish

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Anodized finish

Options

- ▶ Panel mount with up to 4 diffusers per panel (1204)
- ▶ MRI Compatible



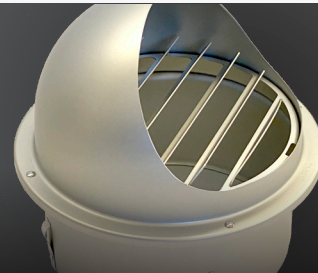
Model 1203



1208 SERIES

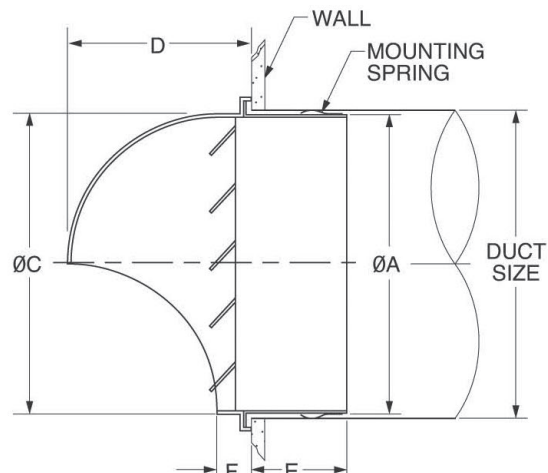
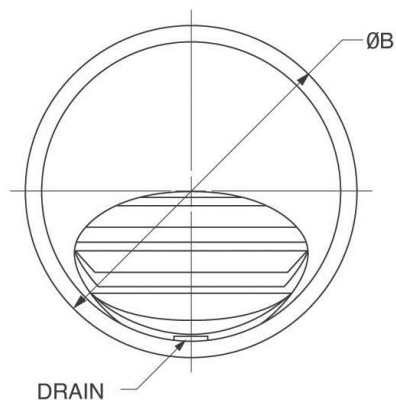
Quality. Value. Performance tested.

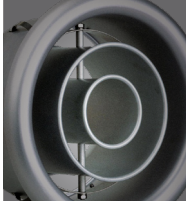
Suited to exhaust
fan applications



Large vents
reduce clogging

Model 1208





ALUMINUM ROUND DIFFUSERS

1208 Series

Dryer Vent Louver

Model	Description
1208	Dryer Vent Louver

FEATURES

- Large vents reduce clogging
- Suited to exhaust fan applications such as dryer, bathroom, or kitchen exhaust venting
- Heavy-gauge anodized aluminum is corrosion-resistant for durability
- 4" and 6" sizes available
- Clear Anodized

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Anodized finish



Model 1208



1209 SERIES

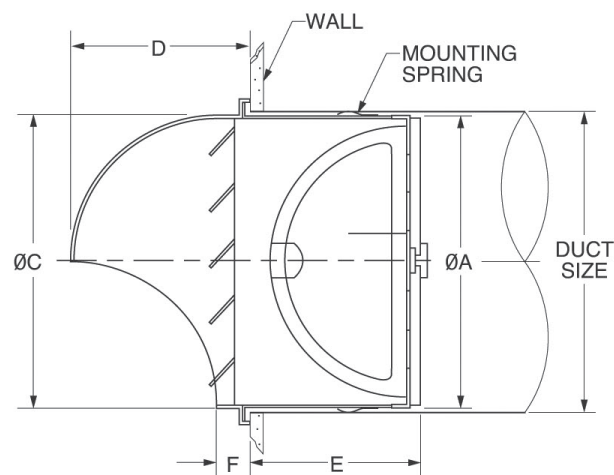
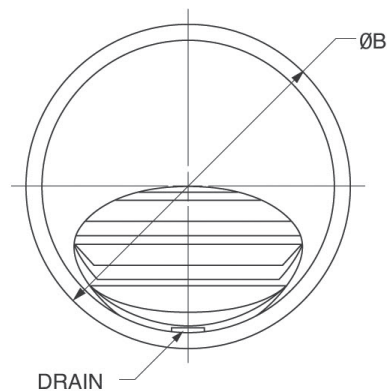
Quality. Value. Performance tested.

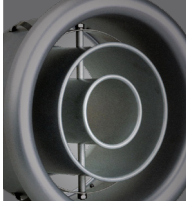
Suited to exhaust fan applications



Large vents
reduce clogging

Model 1209





ALUMINUM ROUND DIFFUSERS

1209 Series

Dryer Vent Louver with Backdraft Damper

Model	Description
1209	Dryer Vent Louver with Backdraft Damper

FEATURES

- Standard with backdraft damper
- Large vents reduce clogging
- Suited to exhaust fan applications such as dryer, bathroom, or kitchen exhaust venting
- The heavy-gauge anodized aluminum construction is corrosion-resistant for durability
- 4" and 6" sizes available
- Clear Anodized

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Anodized finish



Model 1209



1210 SERIES

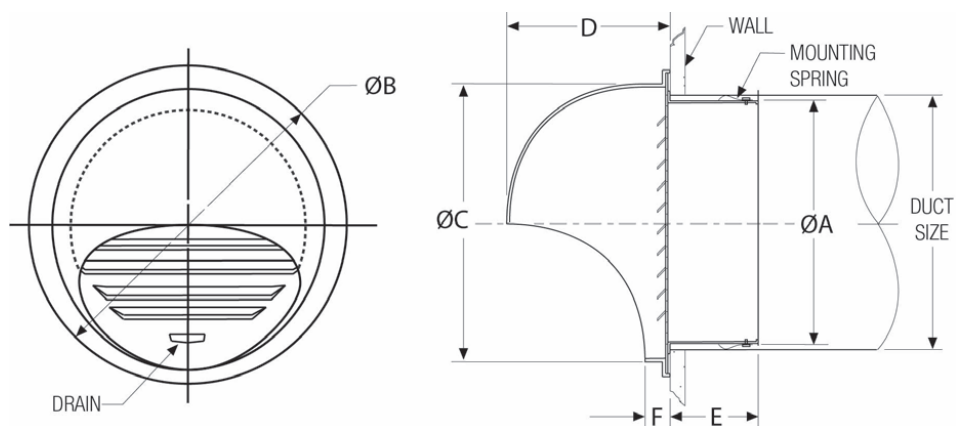
Quality. Value. Performance tested.

machined
anodized
aluminum

Weather
resistant
vent cap



Model 1210





ALUMINUM ROUND DIFFUSERS

1210 Series

Aluminum Vent Cap

Model	Description
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1210	Aluminum Vent Cap
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FEATURES

- Weather resistant vent cap
- Excellent for exteriors where protection from the elements is necessary
- Made from machined anodized aluminum
- Water condensation drain
- 3" - 8", 10", and 12" sizes available
- Clear Anodized

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Clear Anodized

Option

- Insect screen (1210-IS)



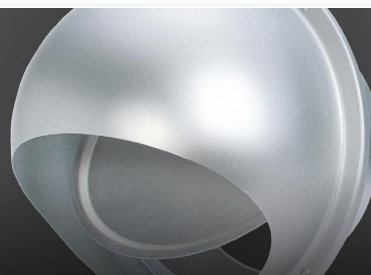
Model 1210



1211 SERIES

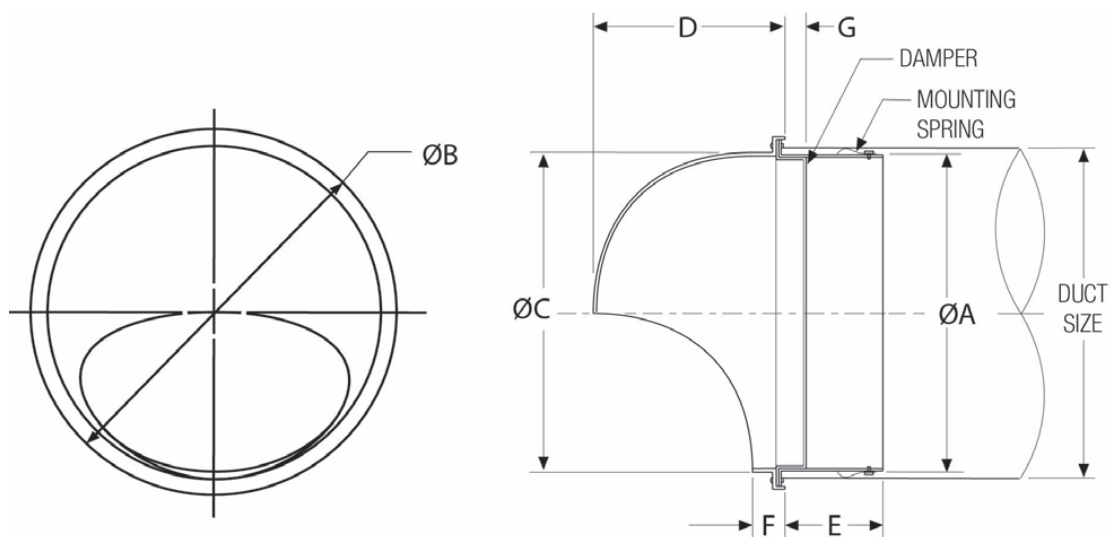
Quality. Value. Performance tested.

4" and 6" sizes
available



Turbo nozzle
diffuser

Model 1211





ALUMINUM ROUND DIFFUSERS

1211 Series

Aluminum Dryer Vent

Model	Description
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1211	Aluminum Dryer Vent
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FEATURES

- Exceptionally designed for exterior applications
- Large free area reduces clogging
- Standard with back-draft flapper damper
- Exhaust fan applications such as dryer, bathroom, or kitchen exhaust venting
- The heavy-gauge anodized aluminum construction is corrosion-resistant for durability
- Removable from ductwork for easy cleaning for dryer vent use
- 4" and 6" sizes available

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Clear Anodized



Model 1201



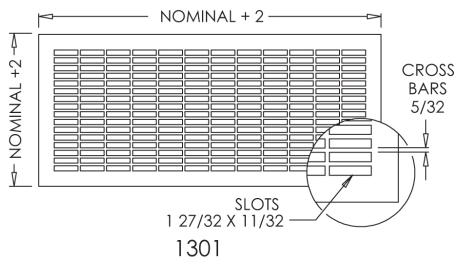
1300 SERIES

Quality. Value. Performance tested.

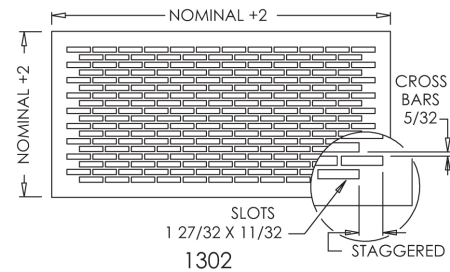
Square and
rectangle
patterns
available

14 gauge
stainless steel
construction

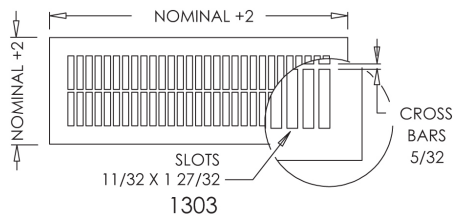
Model 1301



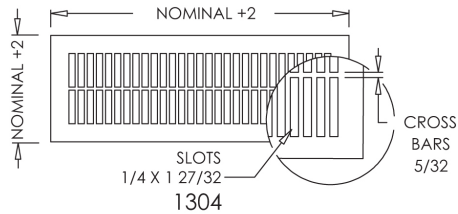
Model 1302



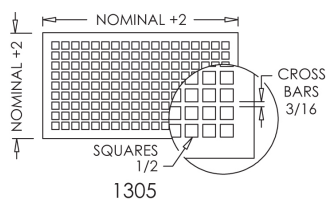
Model 1303



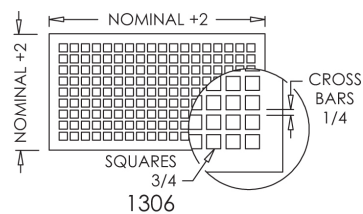
Model 1304



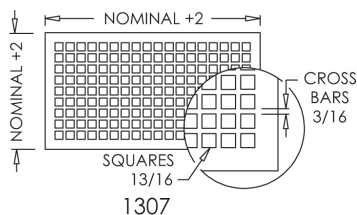
Model 1305



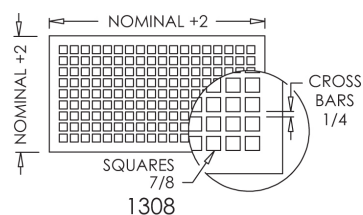
Model 1306

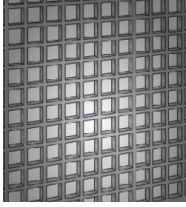


Model 1307



Model 1308





SECURITY ARCHITECTURAL STAMPED PATTERN GRILLES

1300 Series

Security Stamped Pattern Grilles

Model	Description
1301	Horizontal Rectangular Slot 75% Free Area
1302	Staggered Horizontal Rectangular Slot 73% Free Area
1303	Vertical Rectangular Slot 75% Free Area
1304	Vertical Rectangular Slot 54% Free Area
1305	1/2" Lattice 53% Free Area
1306	3/4" Lattice 57% Free Area
1307	1 3/16" Lattice 69% Free Area
1308	7/8" Lattice 60% Free Area

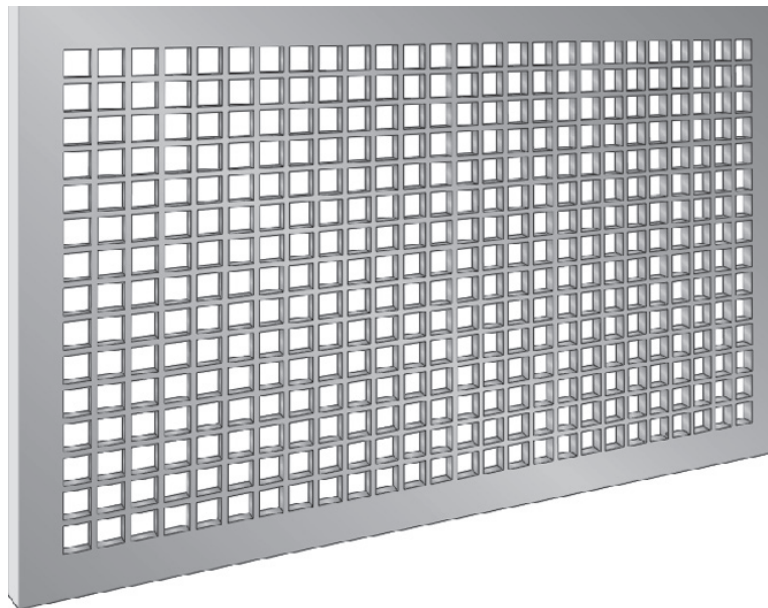
FEATURES

- 1" rim size (2" larger than nominal duct size)
- 14 gauge stainless steel construction
- Countersunk mounting holes for flush appearance with color matching screws
- Optional tamper proof screws

Application • Sidewall, ceiling

Recommended for • Commercial applications

Available Finish • Satin polished finish



Options:

Tamper Proof Screws

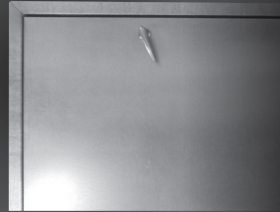
Model 1301



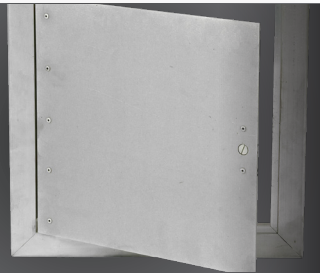
AD SERIES

Quality. Value. Performance tested.

Neoprene gasketing to ensure tight seal between door and frame



Insulated Access Door



6000 Series

Insulated Access Door

Model	Description
6500	Sheet Metal Duct
6001	Sheet Metal Duct Hinged
6501	Rigid Fiber Board Duct

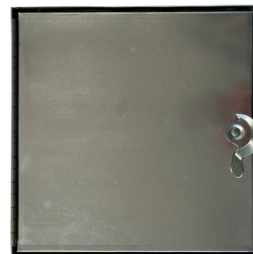
FEATURES

- Cam style latches
- Galvanized steel
- Neoprene gasketing to ensure tight seal between door and frame
- Insulated door
- Designation label on door

Application • Duct Mounted

Recommended for • Commercial applications

Standard Finish • Mill Finish



Model 6000

6700 Series

Drywall Access Door

Model	Description
6700	Access Door
6700-SS	Type 304 Stainless Steel

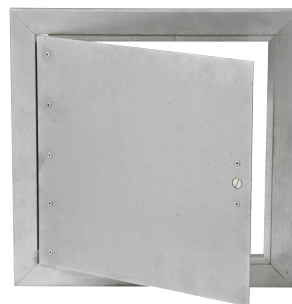
FEATURES

- 16-gauge galvanized steel construction
- One piece constructed 1" wide flange frame for concealment of rough wall opening
- 1/4" mounting slots for fastening within furred spaces allows faster installation and maximum clearance
- Concealed pivoting rod hinge, doors 24" and larger are constructed with a continuous piano hinge
- Screwdriver operated latch
- Optional locking cylinder (one per door)

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Prime Coat Finish



Model 6700



ACCESS DOORS

AD Series

Access Door

Model	Description
AD	Steel Access Door
FG/AD	Filter Grille Access Door

FEATURES

- Access door with 1 $\frac{3}{8}$ " deep steel roll formed frame
- Hinged removable door with hinges parallel to longest dimension
- Hand-operated lever for easy access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes



Model AD

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

6600 Series

Insulated Access Door

Model	Description
6600-OD	Observation Door
6600-HT1	High Temp Applications 1000°F
6600-HT2	High-Temp Grease 2300°F

FEATURES

- Provides easy access into air ducts and units, no tools required to open and close
- Three layers of precision stamped steel provide a solid, well-insulated, leak-proof door
- High-density fiberglass insulation
- Simple installation
- Red polypropylene molded knobs with threaded metal inserts
- Zinc-plated bolts are clinched and sealed to the inner door
- Self-adhesive template provided for exact size of duct opening required

Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Galvanized



Model 6600



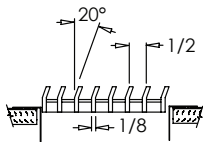
LC SERIES

Carefully crafted for premium performance

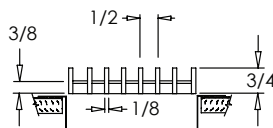
Precision aluminum construction

1/8" thick core blades

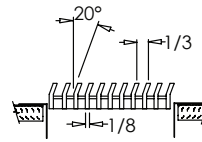
LC Series Models



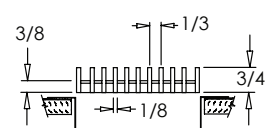
LC 1/2 20°



LC 1/2 0°

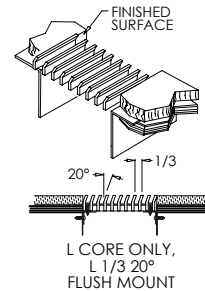
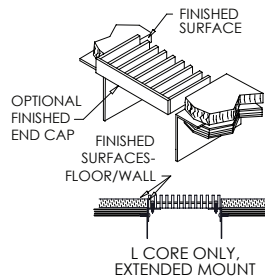
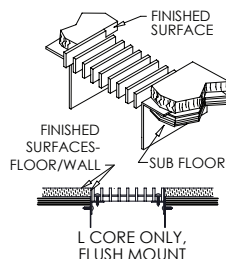
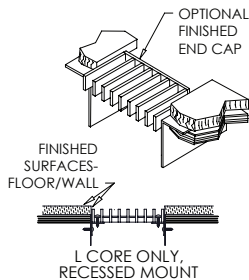


LC 1/3 20°

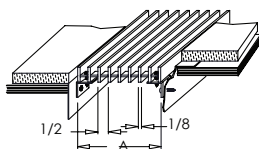


LC 1/3 0°

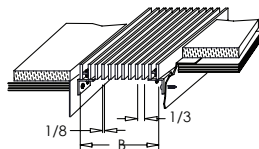
Core Only — Mounting Options:



Core Only — Order and Mounting Information:



1/2" SPACING DIMENSION "A"
MADE IN 1" INCREMENTS @ 1/8
& 5/8" OVER THE FULL INCH
EXAMPLE: 4 1/8", 6 5/8", ETC



1/3" SPACING DIMENSION "B"
MADE IN 1" INCREMENTS @ 1/8", 7/16"
& 13/16" OVER THE FULL INCH
EXAMPLE: 4 1/8", 8 7/16", 6 13/16", ETC



Note:
Mounting location/Support
strength brackets supplied by
others. Recommended for floor
applications: 16 ga. min. Use
heavier gauge brackets more
frequently in high traffic areas.



LINEAR BAR SERIES

LC Series

Linear Bar Core Grille

Model	Description
LC	Heavy Duty Floor Grille
LCF	Linear Removable Core with Mounting Frame

FEATURES

- Core only
- Precision aluminum construction for clean styling and efficient air distribution
- Available in lengths up to 144" in one piece (may vary for shipping and manufacturing considerations)
- Maximum available width is 14"
- 1/8" thick core blades run parallel to longest dimension
- 1/2" spacing with 0° or 20° deflection; actual spacing between bars is 3/8"
- 1/3" spacing with 0° or 20° deflection; actual spacing between bars is 3/16"
- Standard Satin Anodized Finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- ▶ Heavy Duty with extra center margin supports
- ▶ Short Bars: core blades run parallel to shortest dimension
- ▶ Special Shapes: mitered and custom shape diffusers (see website for more details)
- ▶ Finished flat end caps
- ▶ Butt joints for continuous lengths
- ▶ Fractional dimensions



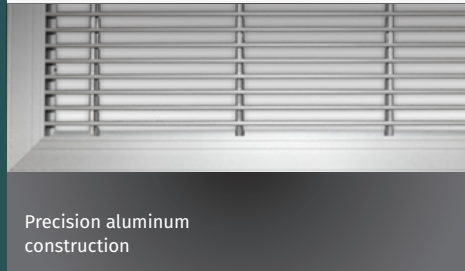
Linear Bar Series

Removable Core with
Flangeless Mounting Frame LCF

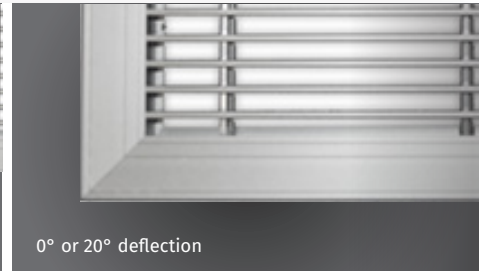


LF SERIES

Carefully crafted for premium performance

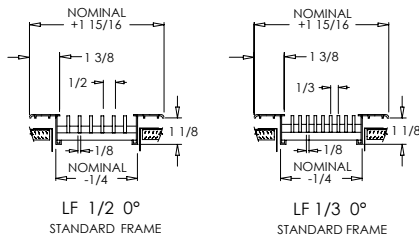


Precision aluminum construction



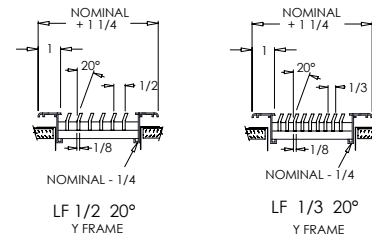
0° or 20° deflection

LF Series Models (Standard Frame Width)



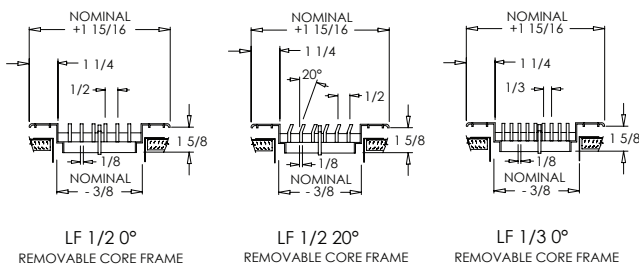
LF Series Models (Y Frame Width)

(not available with Mill Finish)

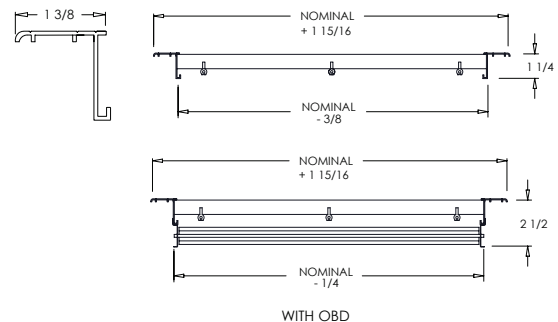


Removable Core Frame Width

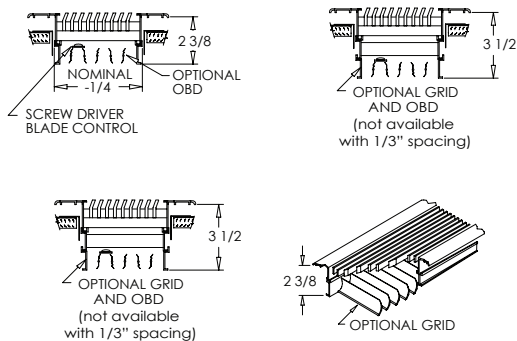
(not available with 1/3"-20°)



Frame Options: Standard Frame Length

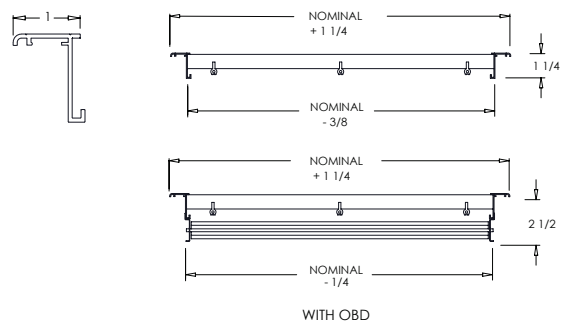


OBD & Grid Options:



Y Frame Length

(not available with Mill Finish)





LINEAR BAR SERIES

LF Series

Linear Bar Floor Diffusers and Grilles

Model	Description
LF	Linear Floor
LF-RC	Floor Grille with Removable Core

FEATURES

- Precision aluminum construction for clean styling and efficient air distribution
- Extruded aluminum frame with signature line marks
- 1 3/8" frame width
- Reinforced with pressure lock honeycomb construction to withstand heavy foot traffic
- Available in lengths up to 144" in one piece (may vary for shipping and manufacturing considerations)
- Maximum available width is 14"
- 1/8" thick core blades run parallel to longest dimension
- 1/2" spacing with 0° or 20° deflection; actual spacing between bars is 3/8"
- 1/3" spacing with 0° or 20° deflection; actual spacing between bars is 3/16"
- Standard Satin Anodized Finish

Application • Floor

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



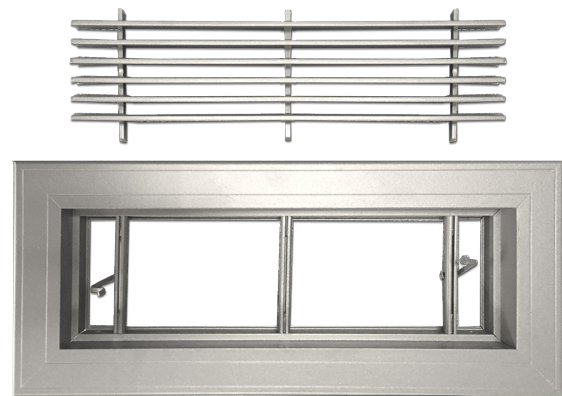
BK Black

Options:

- ▶ Recessed screwdriver-operated opposed blade damper – 1/2" spacing (OBD)
- ▶ Lever-operated opposed blade damper – 1/2" spacing (OBD)
- ▶ Extruded aluminum adjustable curved blade air deflection grid (Grid)
- ▶ Screwdriver-operated opposed blade damper with extruded aluminum adjustable curved blade air deflection grid (not available with 1/2" spacing)
- ▶ Heavy Duty with welded support brackets and frame, and extra center margin supports (HD)
- ▶ Short Blades: core blades run parallel to shortest dimension
- ▶ Special Shapes: mitered and custom shapes diffusers (see website for more details)
- ▶ Butt joints for continuous lengths
- ▶ Fractional I.D. and O.D. sizes available



Linear Bar Series
Floor/Sill Mount LF/LS

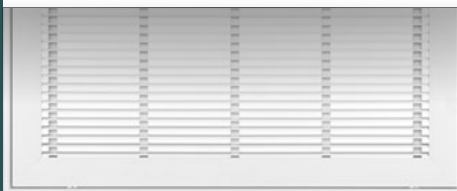


Linear Bar Series
Linear Bar Removable Core
with Frame LF-RC

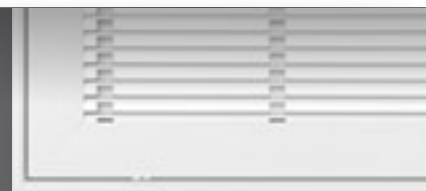


LFG SERIES

Carefully crafted for premium performance

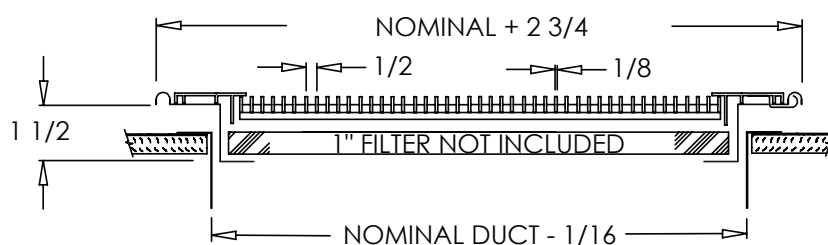


Extruded aluminum face frame



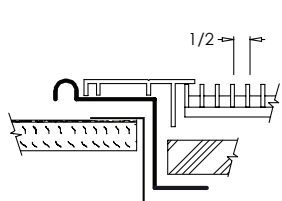
0° or 20° deflection

LFG Series Models

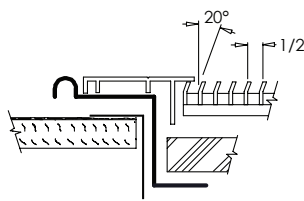


LFG 1/2 - 0°

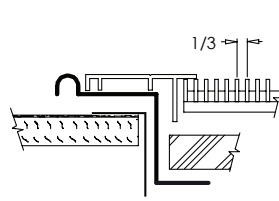
LFG Series Models Blade Options:



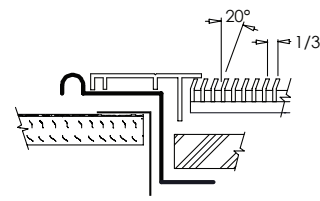
LFG 1/2 - 0°



LFG 1/2 - 20°



LFG 1/3 - 0°



LFG 1/3 - 20°



LINEAR BAR SERIES

LFG Series

Linear Bar Filter Grille

Model	Description
LFG	Heavy Duty Floor Grille

FEATURES

- Extruded aluminum face frame with signature line marks set in an outer filter grille frame
- Precision aluminum construction for clean styling and efficient air distribution
- 1/8" thick core blades run parallel to longest dimension
- 1/2" spacing with 0° or 20° deflection; actual spacing between bars is 3/8"
- 1/3" spacing with 0° or 20° deflection; actual spacing between bars is 3/16"
- Hinged removable face with hinges parallel to longest side
- Hand operated lever for easy filter access
- 2-way reversible door on square and rectangular sizes
- Concealed mounting holes
- Sizes available up to 400 sq. in. (i.e. 20x20 or 24x14 or 30x12)
- Holds up to a 1" filter (not included) with filter retention tabs (LFG1)

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



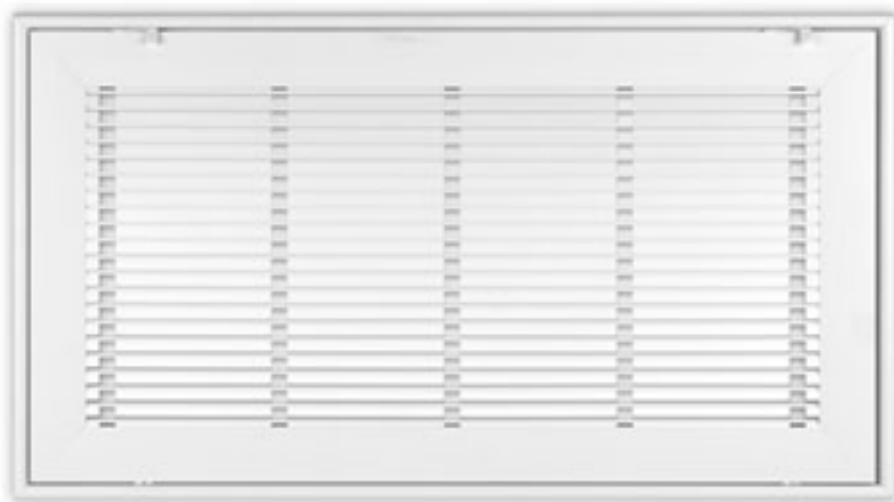
BZ Bronze



BK Black

Options:

- ▶ **Heavy Duty**
- ▶ **Alternative hinge and latch options available** (please complete Filter Grille Order Supplement form)

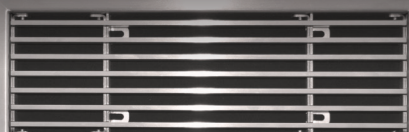


LFG Series
Standard Soft White

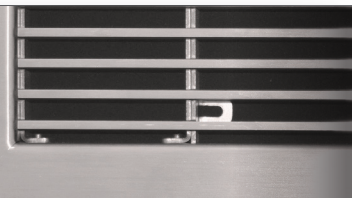


LINEAR-SS SERIES

Carefully crafted for premium performance



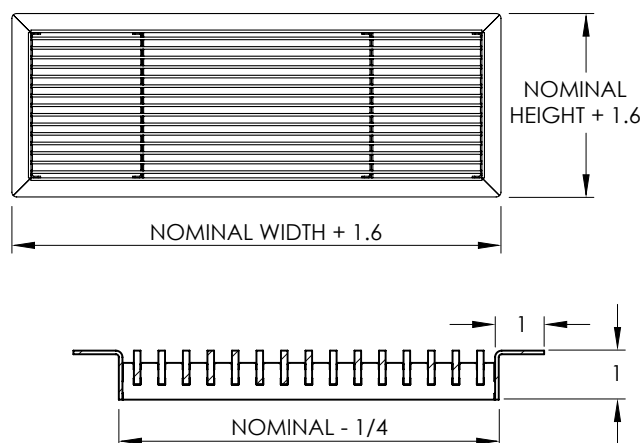
0° or 15° deflection



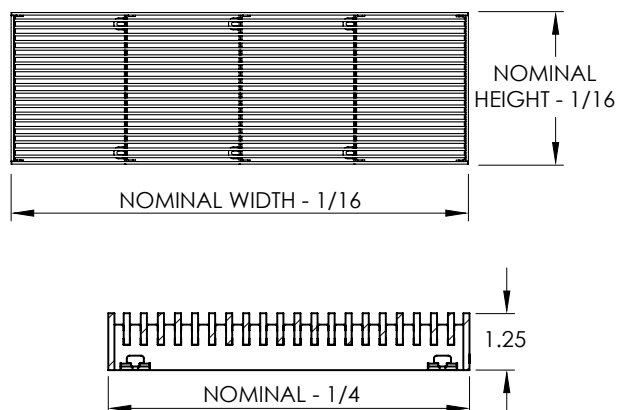
1/8" or 1/4" thick core blades

Linear-SS Series Models

FLANGE FRAME



STRAIGHT FRAME





LINEAR BAR SERIES

Linear-SS Series

Stainless Steel Linear Bar Grille

Model	Description
-------	-------------

SS	Stainless Steel Linear Bar Grille
----	-----------------------------------

FEATURES

- Type 304 stainless steel
- Designed for several applications
- $\frac{3}{8}$ " or $\frac{1}{2}$ " spacing with 0° or 15° deflection
- $\frac{1}{8}$ " or $\frac{1}{4}$ " thick core blades run parallel to longest dimension
- Standard flange frame width 1"
- Satin polished finish

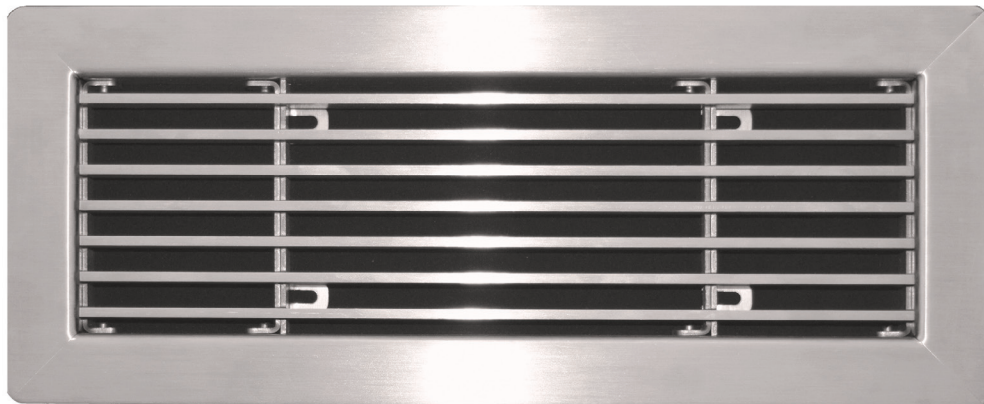
Application • Floor

Recommended for • Commercial applications

Standard Finish • Satin polished finish

Options:

- ▶ Type 316 stainless steel
- ▶ Opposed Blade Damper
- ▶ Floor Grille (6" back supports)
- ▶ Wall Grille (12" back supports)



Linear-SS Series

Standard Stainless Steel



LS SERIES

Carefully crafted for premium performance

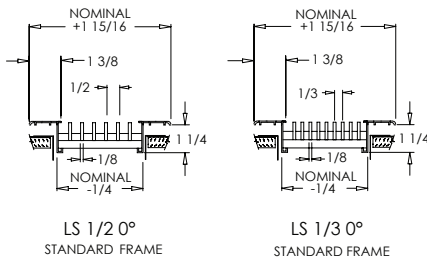


Precision aluminum construction



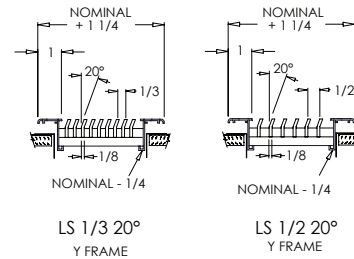
0° or 20° deflection

LS Series Models (Standard Frame Width)



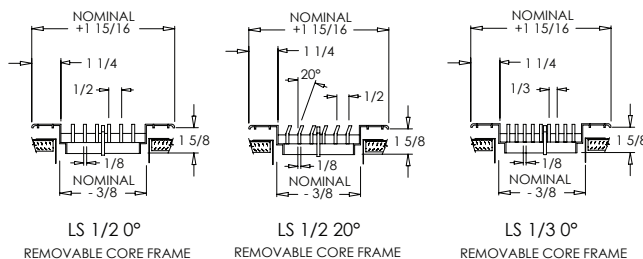
LS Series Models (Y Frame Width)

(not available with Mill Finish)

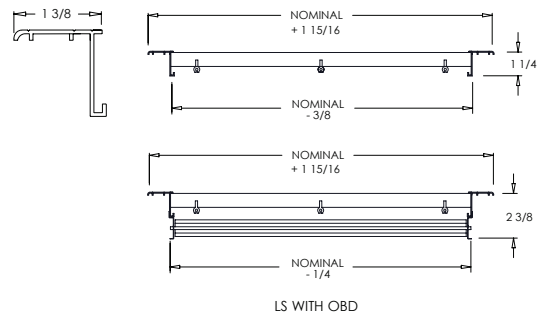


Removable Core Frame Width

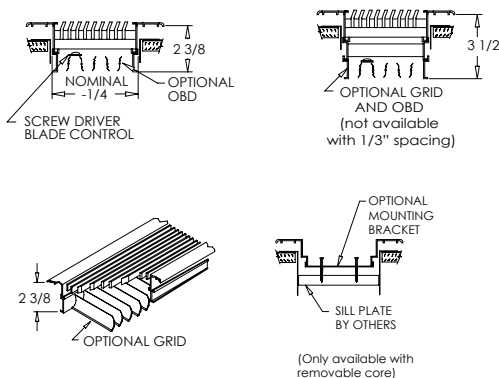
(not available with 1/3"-20°)



Frame Options: Standard Frame Length

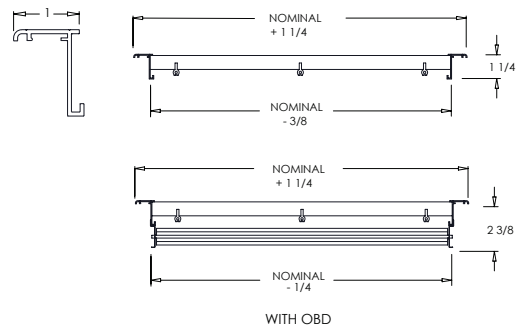


OBD & Grid Options:



Y Frame Length

(not available with Mill Finish)





LINEAR BAR SERIES

LS Series

Linear Bar Sill Diffusers and Grilles

Model	Description
LS	Heavy Duty Floor Grille
LS-RC	Linear Sill with Removable Core

FEATURES

- Precision aluminum construction for clean styling and efficient air distribution
- Extruded aluminum frame with signature line marks
- Standard frame with is 1 $\frac{3}{8}$ "
- Reinforced with pressure lock honeycomb construction to withstand heavy foot traffic
- Available in lengths up to 144" in one piece (may vary for shipping and manufacturing considerations)
- Maximum available width is 14"
- $\frac{1}{8}$ " thick core blades run parallel to longest dimension
- $\frac{1}{2}$ " spacing with 0° or 20° deflection; actual spacing between bars is $\frac{3}{8}$ "
- $\frac{1}{3}$ " spacing with 0° or 20° deflection; actual spacing between bars is $\frac{1}{4}$ "
- Standard Satin Anodized Finish

Application • Sill

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- ▶ Recessed screwdriver-operated opposed blade damper – $\frac{1}{2}$ " spacing (OBD)
- ▶ Lever-operated opposed blade damper – $\frac{1}{2}$ " spacing (OBD)
- ▶ Extruded aluminum adjustable curved blade air deflection grid (Grid)
- ▶ Screwdriver-operated opposed blade damper with extruded aluminum adjustable curved blade air deflection grid (not available with $\frac{1}{3}$ " spacing)
- ▶ Heavy Duty with welded support brackets and frame, and extra center margin supports (HD)
- ▶ Short Blades: core blades run parallel to shortest dimension
- ▶ Special Shapes: mitered and custom shapes diffusers (see website for more details)
- ▶ Butt joints for continuous lengths
- ▶ Fractional I.D. and O.D. sizes available



Linear Bar Series
Floor/Sill Mount LF/LS



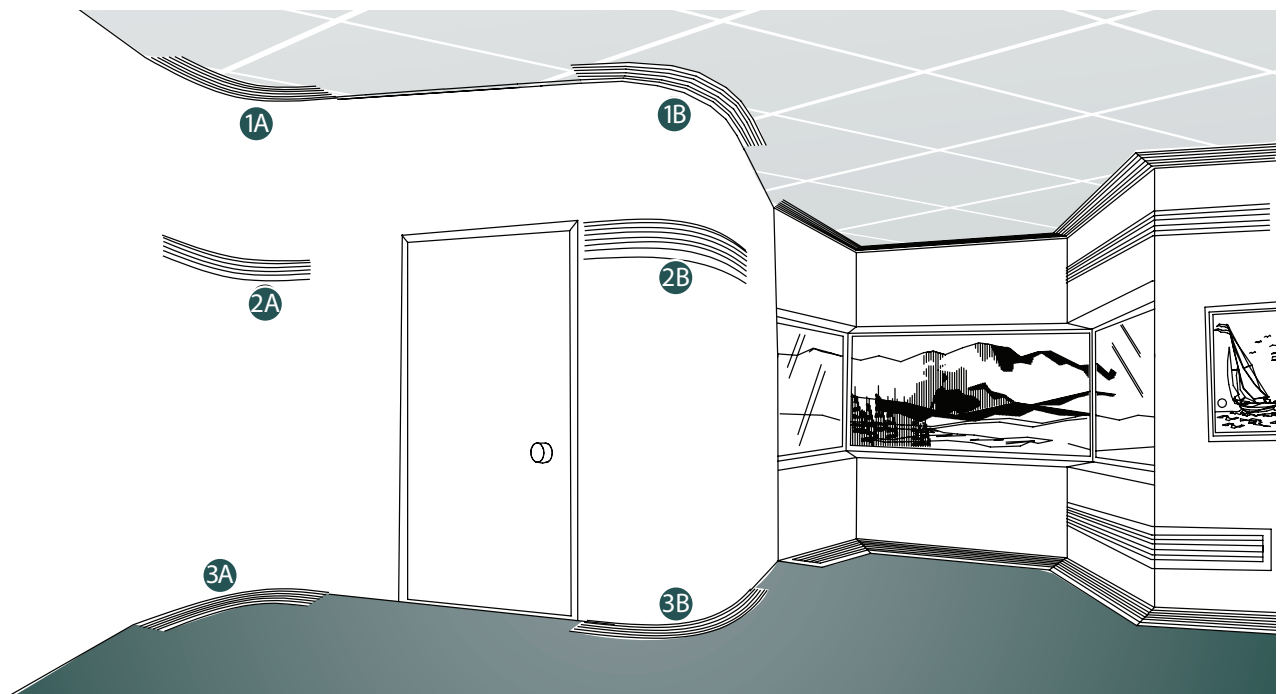
LSS SERIES

Carefully crafted for premium performance

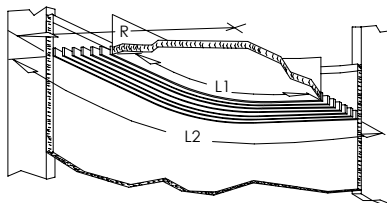


LSS Series

Linear Bar Ceiling Radius Grille



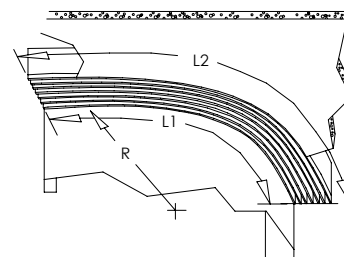
Ceiling Inside Radius Core (1A)



Needed Build Information:

R = Radius
L1 = Arc length
L2 = Arc length

Ceiling Outside Radius Core (1B)





LINEAR BAR SERIES

LSS Series

Linear Bar Sidewall Radius Grille

Model	Description
LSS-CR	Ceiling Radius Grille (Shape 1)
LSS-SR	Sidewall Radius Grille (Shape 2)
LSS-FR	Floor Radius Grille (Shape 3)

FEATURES

- Extruded aluminum construction
- Core only
- Inside or outside radius available
- Available in lengths of 96" in one piece (may vary for shipping considerations)
- Core blades run parallel to longest dimension
- Cores are manufactured from the perspective of: inside the room looking toward core unless specified otherwise
- Standard Satin Anodized Finish

Application • Floor, sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze

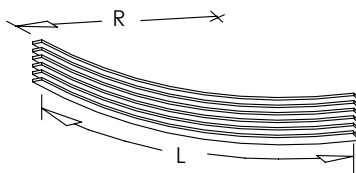


BK Black

Options:

- ▶ Sidewall Inside Radius (2A)
- ▶ Sidewall Outside Radius (2B)
- ▶ Floor Inside Radius (3A)
- ▶ Floor Outside Radius (3B)
- ▶ Gym Grade with welded blades and frame, and extra center margin support
- ▶ Butt joints for continuous lengths

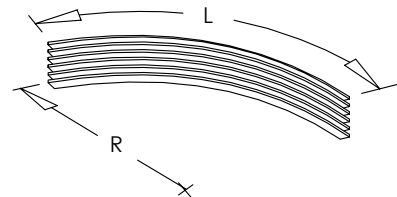
Side Wall Inside Radius Core (2A)



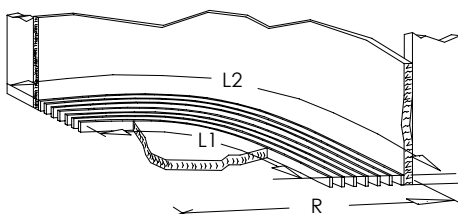
Needed Build Information:

R = Radius @ Exposed Face
L = Arc length @ Exposed Face

Sidewall Outside Radius Core (2B)



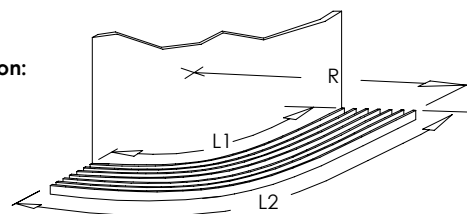
Floor Inside Radius Core (3A)



Needed Build Information:

R = Radius
L1 = Arc length
L2 = Arc length

Floor Outside Radius Core (3B)



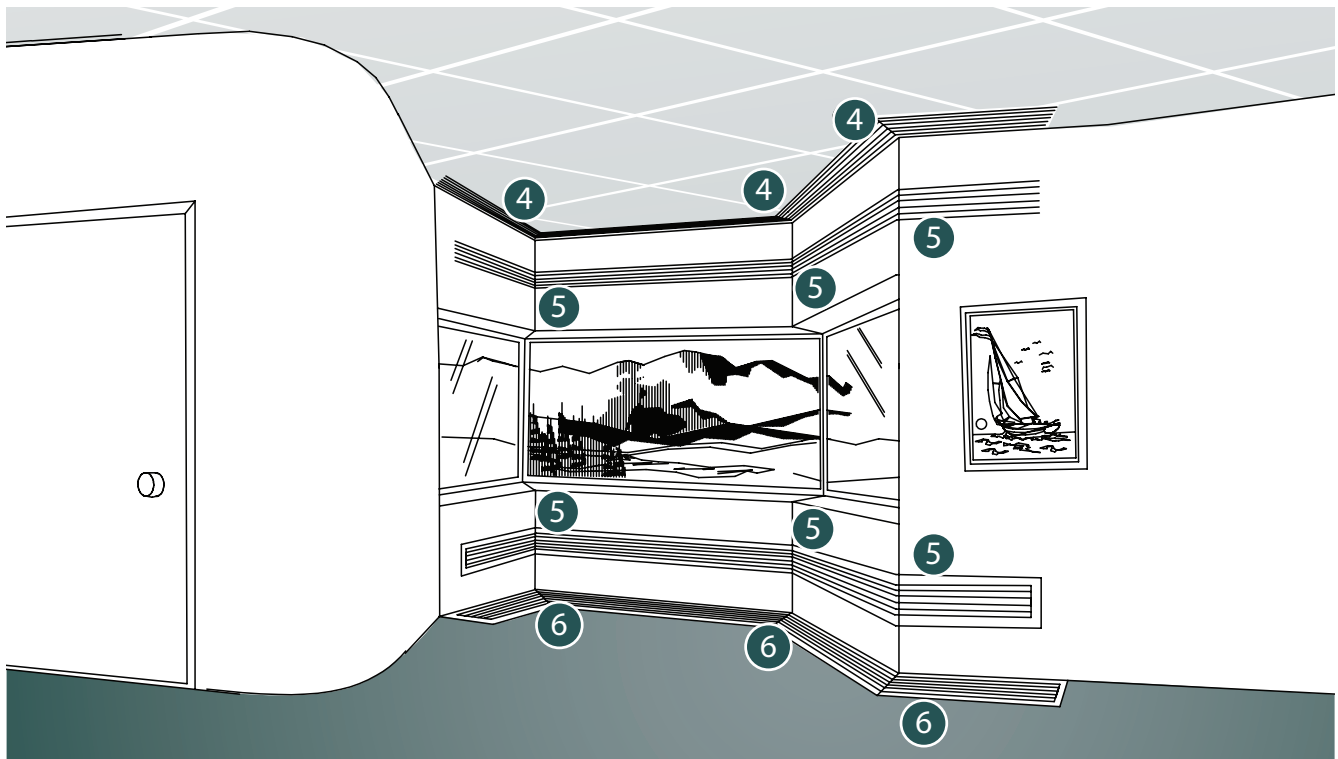


LSS SERIES

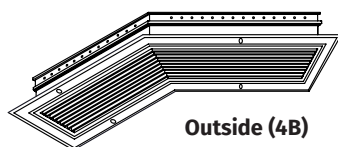
Carefully crafted for premium performance



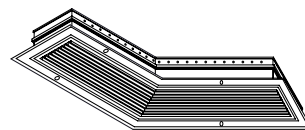
LSS-CM Series (Shape 4)



Ceiling Miter (Shape 4)



Outside (4B)



Inside (4A)



LINEAR BAR SERIES

LSS Series

Linear Bar Ceiling Mitered Grille (Shape 4)

Model	Description
LSS-CM	Ceiling Mitered Grille (Shape 4)
LSS-SM	Sidewall Mitered Grille (Shape 5)
LSS-FM	Floor Mitered Grille (Shape 6)

FEATURES

- Extruded aluminum frame with signature line marks
- Designed for ceiling inside or outside miter corner application
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Available in lengths up to 120" in one piece (may vary for shipping considerations)
- Blades run parallel to longest dimension
- 1 3/8" frame width
- Grilles are manufactured from the perspective of looking up from floor at the ceiling unless specified otherwise
- Standard Satin Anodized Finish

Application • Floor, sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



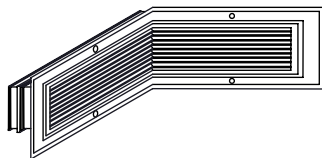
BK Black

Options:

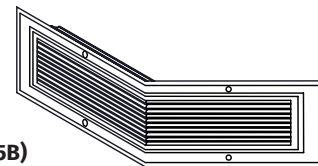
- ▶ Ceiling Inside Miter (4A)
- ▶ Ceiling Outside Miter (4B)
- ▶ Sidewall Inside Miter (5A)
- ▶ Sidewall Outside Miter (5B)
- ▶ Floor Inside Miter (6A)
- ▶ Floor Outside Miter (6B)
- ▶ Gym Grade with welded blades and frame, and extra center margin supports
- ▶ Butt joints for continuous lengths

Sidewall Miter (Shape 5)

Inside (5A)

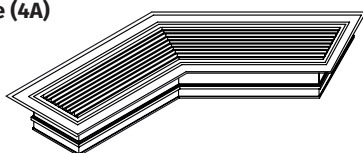


Outside (5B)

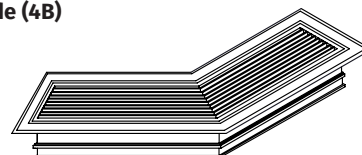


Floor Miter (Shape 6)

Inside (4A)



Outside (4B)





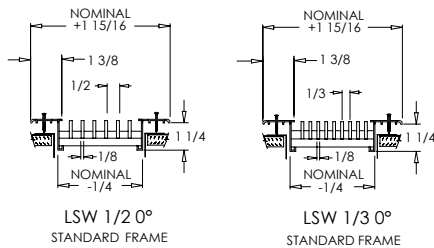
LSW SERIES

Carefully crafted for premium performance

Heavy duty grille

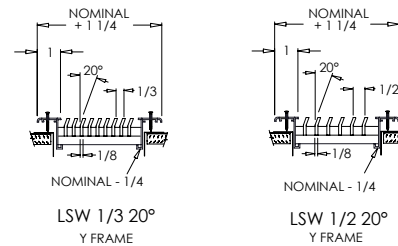
30° deflection

LSW Series (Standard Frame Width)



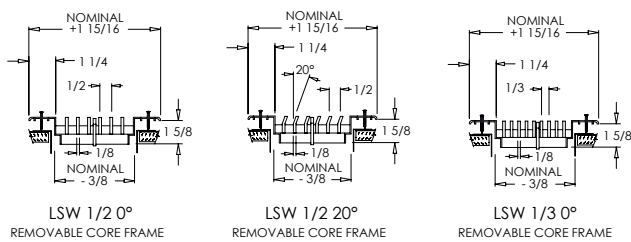
LSW Series (Y Frame Width)

(not available with Mill Finish)

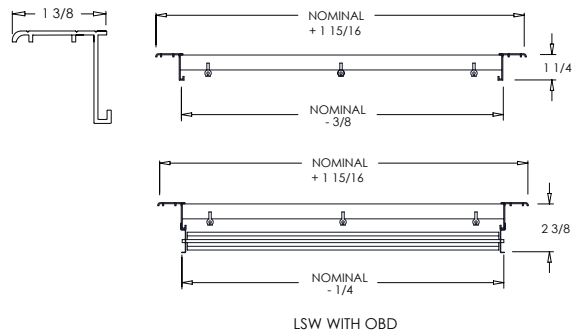


Removable Core Frame Width

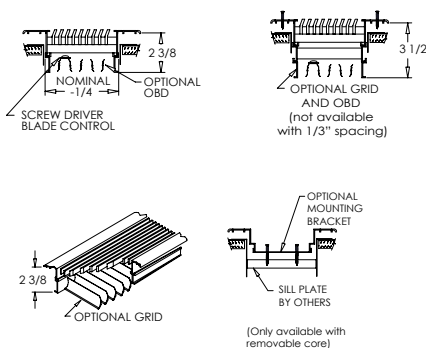
(not available with 1/3"-20°)



Frame Options: Standard Frame Length

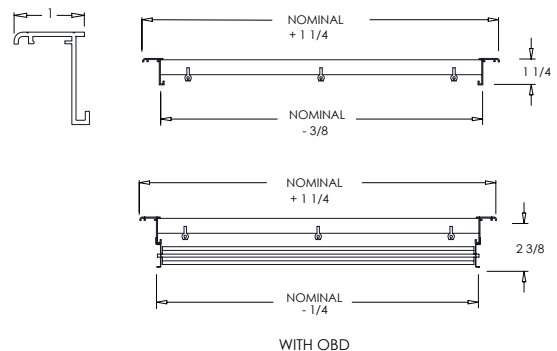


OBD & Grid Options:



Y Frame Length

(not available with Mill Finish)





LINEAR BAR SERIES

LSW Series

Linear Bar Sidewall Diffusers and Grilles

Model	Description
LSW	Linear Sidewall
LSW-RC	Linear Sidewall with Removable Core

FEATURES

- Precision aluminum construction for clean styling and efficient air distribution
- Extruded aluminum frame with signature line marks
- Standard frame width is 1 $\frac{3}{8}$ "
- Designed for sidewall application
- Countersunk mounting holes with color matching Phillips Pozidriv screws
- Available in lengths up to 144" in one piece (may vary for shipping and manufacturing considerations)
- $\frac{1}{8}$ " thick core blades run parallel to longest dimension
- $\frac{1}{2}$ " spacing with 0° or 20° deflection; actual spacing between bars is $\frac{3}{8}$ "
- $\frac{1}{3}$ " spacing with 0° or 20° deflection; actual spacing between bars is $\frac{1}{4}$ "
- Standard Satin Anodized Finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- ▶ Recessed screwdriver-operated opposed blade damper – $\frac{1}{2}$ " spacing (OBD)
- ▶ Lever-operated opposed blade damper – $\frac{1}{8}$ " spacing (OBD)
- ▶ Extruded aluminum adjustable curved blade air deflection grid (Grid)
- ▶ Screwdriver-operated opposed blade damper with extruded aluminum adjustable curved blade air deflection grid (not available with $\frac{1}{8}$ " spacing)
- ▶ Heavy Duty with welded support brackets and frame, and extra center margin supports (HD)
- ▶ Short Blades: core blades run parallel to shortest dimension
- ▶ Special Shapes: mitered and custom shapes diffusers (see website for more details)
- ▶ Butt joints for continuous lengths
- ▶ Tamper proof screws
- ▶ Fractional I.D. and O.D. sizes available



Linear Bar Series
Surface Mount LSW

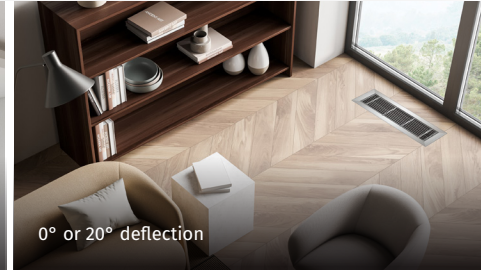


LTM SERIES

Carefully crafted for premium performance

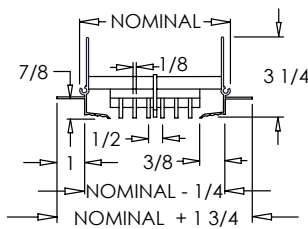


Precision aluminum construction

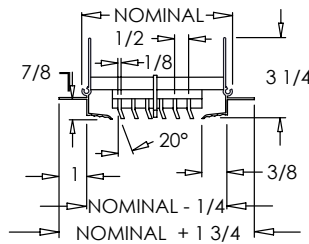


0° or 20° deflection

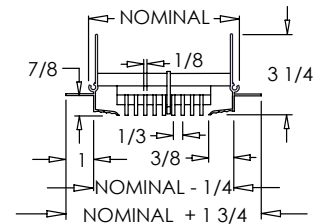
LTM Series Models



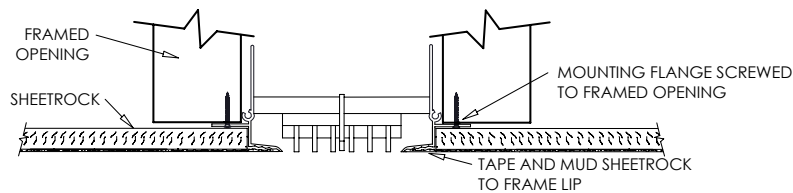
LTM 1/2 0°



LTM 1/2 20°



LTM 1/3 0°



LTM 1/2 0°
TAPE & MUD FRAME INSTALLED



LINEAR BAR SERIES

LTM Series

Linear Bar Grille with Tape and Mud Frame and Removable Core

Model	Description
LTM-T3	Linear Tape & Mud Frame with Removable Core (Type 3)

FEATURES

- Precision aluminum construction for clean styling and efficient air distribution
- Extruded aluminum Tape and Mud Frame
- Core secured with stainless steel spring clips
- Available in lengths up to 144" in one piece (may vary for shipping and manufacturing considerations)
- Maximum available width is 14"
- Minimum available width is 2"
- 1/8" thick core blades run parallel to longest dimension
- 1/2" spacing with 0° or 20° deflection; actual spacing between bars is 3/8"
- 1/3" spacing with 0° deflection; actual spacing between bars is 3/16"
- Designed for 1/2" or 5/8" drywall application
- Product length is manufactured to 1/4" under nominal dimension
- Finished flat end caps
- Standard Satin Anodized Finish (linear core only)

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish



SA Satin Anodized

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black

Options:

- Butt joints for continuous lengths
- Fractional dimensions



LTM Series

Linear Tape & Mud Frame with Removable Core



LSD SERIES

Quality. Value. Performance tested.

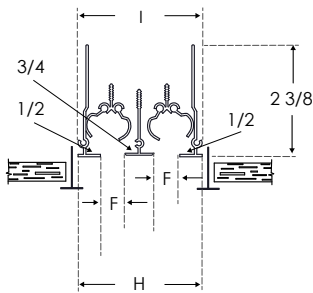


Aesthetically pleasing
linear slot diffusers



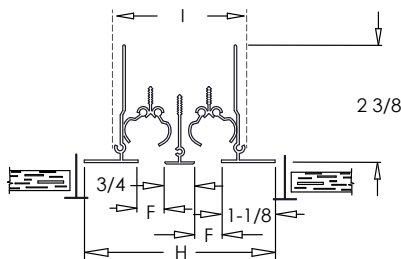
Rust resistant pre-coat
with durable powder finish

Model: LSD -T1



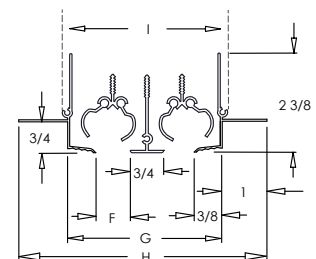
LSD-T1
T-BAR NARROW FRAME

Model: LSD -T2



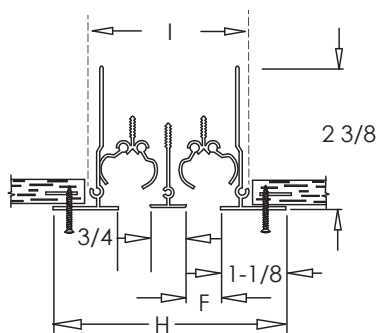
LSD-T2
T-BAR WIDE FRAME

Model: LSD -T3



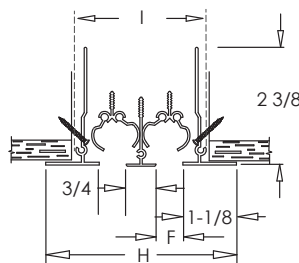
LSD-T3
TAPE & MUD FRAME

Model: LSD -T4



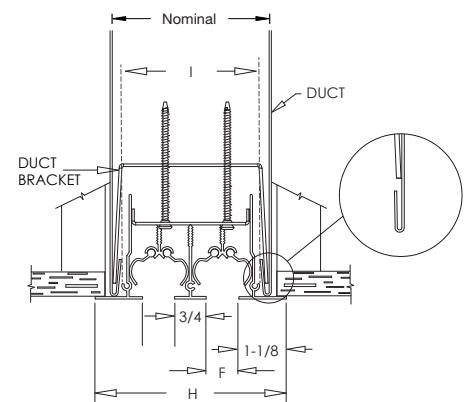
LSD-T4
SURFACE MOUNT

Model: LSD -T5



LSD-T5
CONCEALED MOUNT

Model: LSD -T6



LSD-T6
DUCT BRACKET MOUNT



LINEAR SLOT DIFFUSER SERIES

LSD Series

Linear Slot Diffuser Supply

Model	Description
LSD-T1	T-Bar – Narrow Frame (Type 1)
LSD-T2	T-Bar – Wide Frame (Type 2)
LSD-T3	Tape & Mud Frame Diffuser (Type 3)
LSD-T4	Surface Mount Frame (Type 4)
LSD-T5	Concealed Mount Frame (Type 5)
LSD-T6	Duct Bracket Diffuser (Type 6)

FEATURES

- Aesthetically pleasing linear slot diffusers are designed for both directional and volume discharge
- Provides flexible air patterns to preform well in any room layout
- Six mounting frames to choose from
- Extruded aluminum diffuser
- Available in single piece lengths up to 144" (shipping considerations may vary)
- Adjustable pattern controller allows full 180° adjustment of airflow
- Available in 1/2", 3/4" and 1" slot widths
- Available in 1 slot up to 8 slots
- Rust resistant pre-coat with durable powder finish
- Optional fiberglass or metal plenum available

Application • Various

Recommended for • Commercial & commercial applications

Standard Finishes



SW Soft White

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



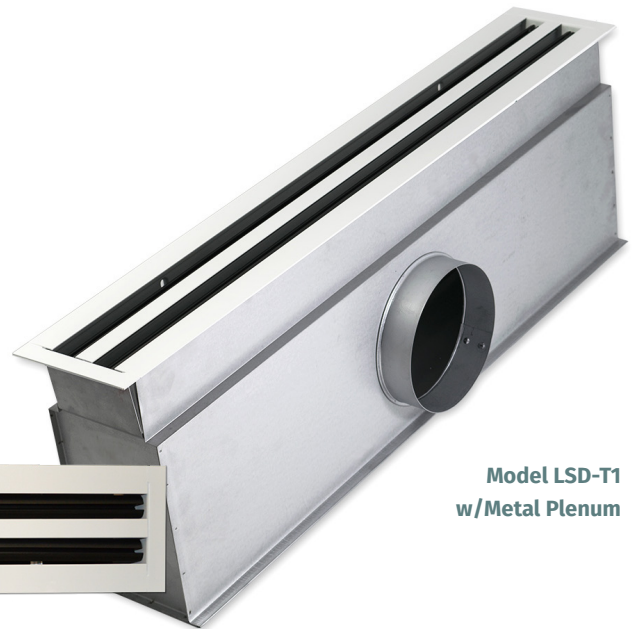
BK Black



Model LSD-T4



Model LSD-T2

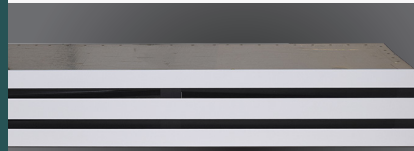


Model LSD-T1
w/Metal Plenum

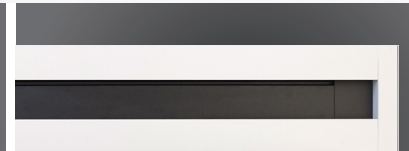


LAB SERIES

Quality. Value. Performance tested.

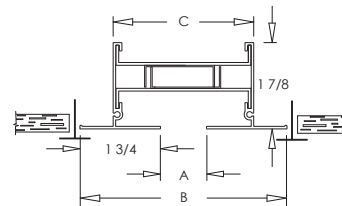
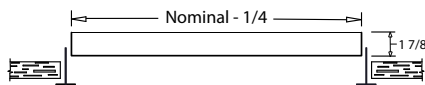


Air Bar T-Bar Wide Frame



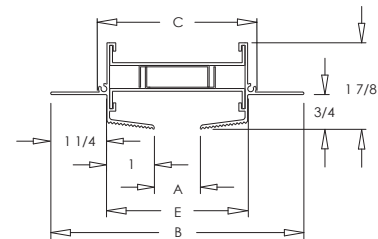
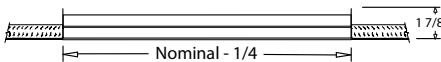
Air Bar Surface Mount

Model: LAB-T2



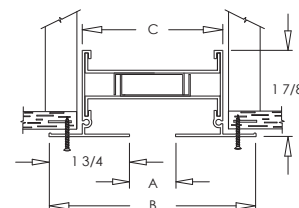
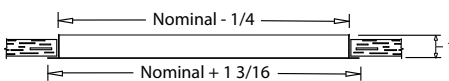
LAB-T2-DO
T-BAR WIDE FRAME

Model: LAB-T3

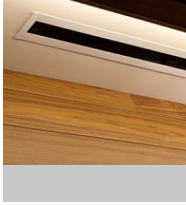


LAB-T3-DO
TAPE AND MUD

Model: LAB-T4



LAB-T4-DO
SURFACE MOUNT



AIR BAR DIFFUSERS

LAB Series

Linear Air Bar

Model	Description
LAB-T2	Linear Air Bar Diffuser T-Bar Mount
LAB-T3	Linear Air Bar Diffuser Tape & Mud Frame
LAB-T4	Linear Air Bar Diffuser Surface Mount Frame
LAB-T6	Linear Air Bar Diffuser Duct Bracket Mount

FEATURES

- Air bar diffuser with versatile airflow capability
- Allows for higher volume airflow while minimizing pressure loss
- For low and high sidewalls and ceiling; heating and cooling applications
- Engineered for performance and seamless integration with architectural elements of the space
- Slots available in 1", 1.5", 2", 2.5" and 3" widths
- Available in 1 or 2 slot configurations
- Split 2-piece Air Gate Controllers
- Adjustable controllers come in 2' sections
- Made in single sections up to 144" in length (lengths may vary for shipping considerations)
- All interior controllers are steel and painted black
- Rust resistant pre-coat with durable powder finish
- Optional fiberglass or metal plenum available

Application • Various

Recommended for • Commercial & commercial applications

Standard Finishes



SW Soft White

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Air Bar Surface Mount with 1 Slot and Flanged End Caps



Air Bar T-Bar Wide Frame with 2 Slots, Flat End Caps and Plenum

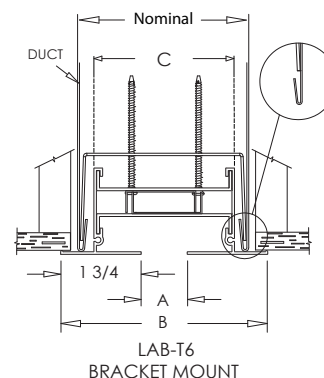
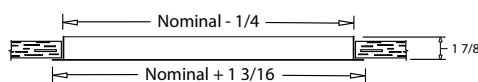


Air Bar Tape and Mud 1 Slot BEFORE INSTALL



Air Bar Tape and Mud 1 Slot AFTER INSTALL

Model: LAB-T6

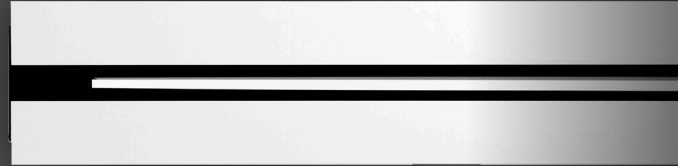




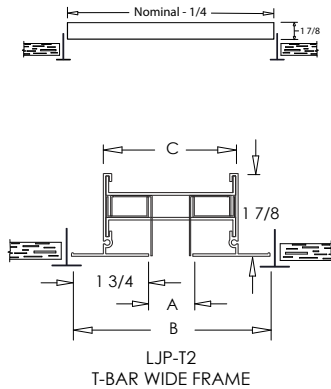
LJP SERIES

Quality. Value. Performance tested.

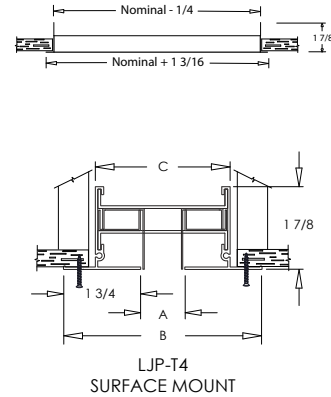
Jet pair diffuser
designed for higher
airflow capacity



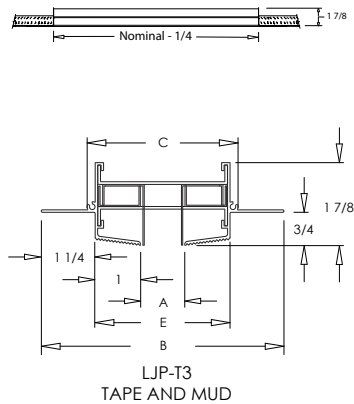
Model: LJP-T2



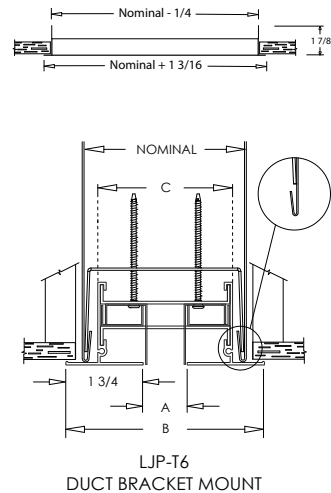
Model: LJP-T4

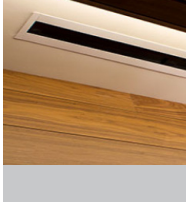


Model: LJP-T3



Model: LJP-T6





AIR BAR DIFFUSERS

LJP Series

Linear Jet Pair

Model	Description
LJP-T2	Linear Jet Pair Diffuser T-Bar Mount
LJP-T3	Linear Jet Pair Diffuser Tape and Mud Frame
LJP-T4	Linear Jet Pair Diffuser Surface Mount Frame
LJP-T6	Linear Jet Pair Diffuser Duct Bracket Mount

FEATURES

- Jet pair diffuser designed for higher airflow capacity than conventional linear diffusers
- Jets airstream in a vertical direction in ceiling applications or horizontal direction in sidewall applications
- Excellent choice when extended throws are required
- Engineered for performance and seamless integration with architectural elements of the space
- Slots available in 1", 1.5", 2", 2.5" and 3" widths
- Available in 1 or 2 slot configurations
- Split 2-piece Jet Pair Controllers
- Adjustable controllers come in 2' sections
- All interior controllers are steel and painted black
- Rust resistant pre-coat with durable powder finish

Application • Various

Recommended for • Commercial & commercial applications

Standard Finishes



SW Soft White

Additional Finish Options



SW Soft White



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



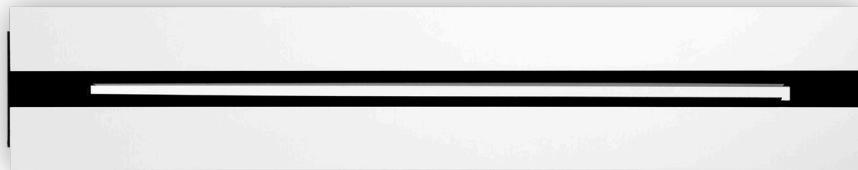
DT Driftwood Tan



BZ Bronze



BK Black

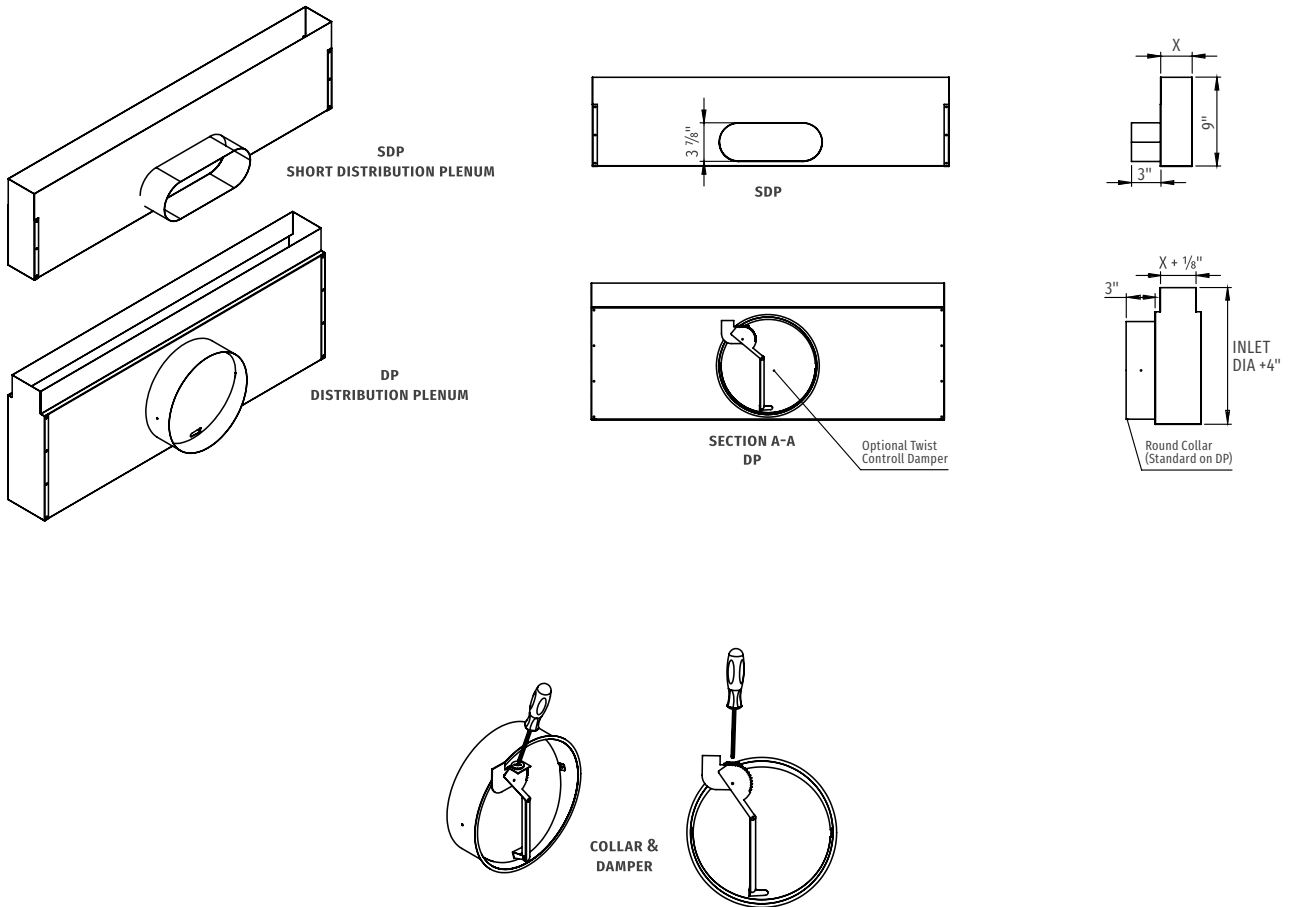


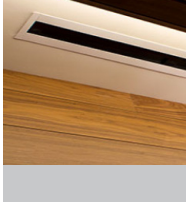
Model LJP

Linear Slot Diffuser Options

Linear Slot Diffusers Series Product Options Based on allowable Frame Types	T-Bar Mount with Narrow	T-Bar Mount with Wide Frame	Tape and Mud Mount	Surface Mount	Concealed Mount	Duct Bracket Mount
Plenum: Rigid fiberglass plenum allows for multiple locations of field installed spins incollars up to 12" (collar provided by others)	Optional	Optional	Optional	Optional	Optional	-
Plenum: Metal plenum (SDP or DP) available with or without an inlet	Optional	Optional	Optional	Optional	Optional	Optional
Flat End Caps	Standard	Standard	Standard	Optional	Optional	Optional
Flanged End Caps	Optional	Optional	-	Standard	Standard	Standard
Butt Joints or mitered corners for continuous lengths	Optional	Optional	Optional	Optional	Optional	Optional
Fractional Dimensions	Optional	Optional	Optional	Optional	Optional	Optional

Plenum:





CEILING REGISTERS & DIFFUSERS

Plenums

Metal Plenums

Model	Description
DP	Distribution Plenum
SDP	Short Distribution Plenum

FEATURES

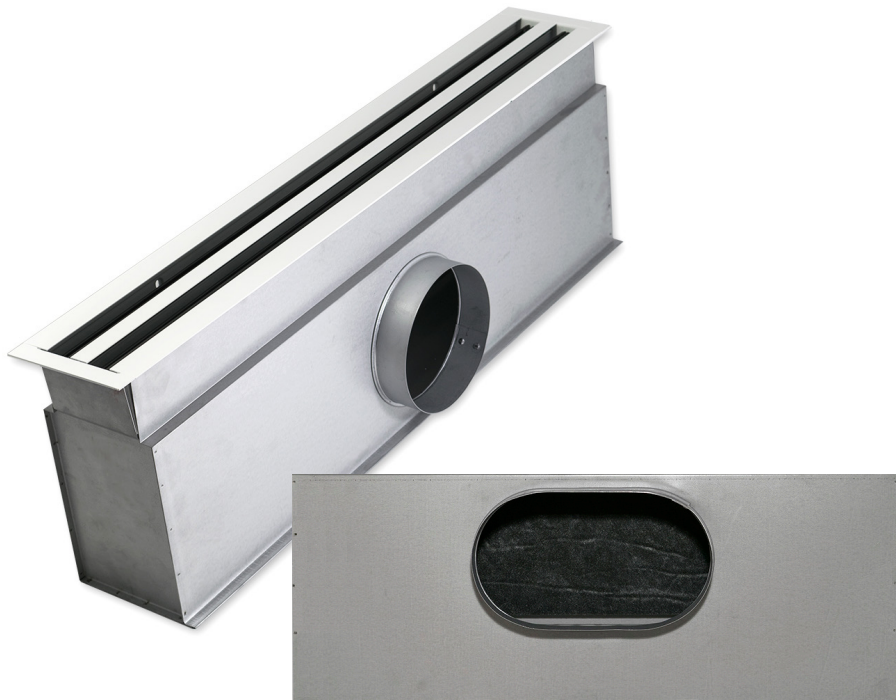
- 24 gauge galvanized steel plenum
- Minimum length 1' and maximum single piece length is 6'
- Round and oval collar options
- Optional damper available (damper not accessible from the face once installed)

Application • Sidewall, ceiling

Recommended for • Commercial applications

Options

- ▶ Custom plenum dimensions available upon request
- ▶ Optional Hemmed Rail for T6 bracket-mount linears
- ▶ Twist controlled damper
- ▶ Round inlet, oval inlet, or NO inlet options

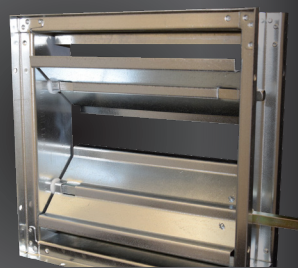




3000 SERIES

Quality. Value. Performance tested.

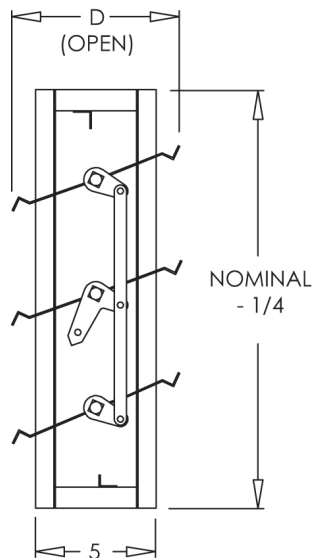
Parallel blade
operation



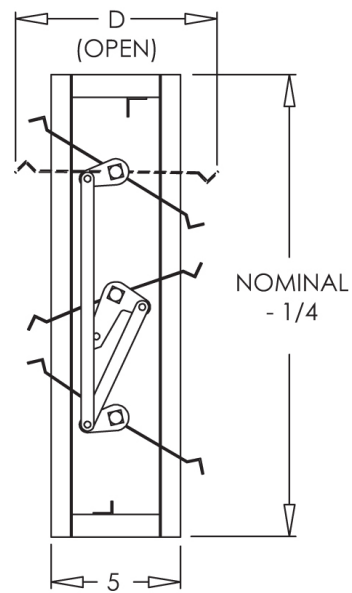
Designed for
precise volume
control



Model 3000P



Model 3000-0





AIR CONTROL DAMPERS

3000P Series

Parallel Blade Air Control Damper

Model	Description
3000P	Air Control Damper
3000PLL	Air Control Damper Low Leak Package

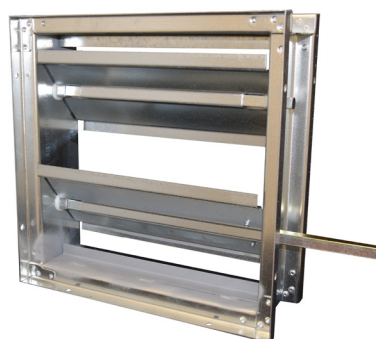
FEATURES

- Parallel blade operation designed for volume control
- 16-gauge galvanized channel frame
- Galvanized blades are vee stiffened for extra strength and stability
- Blades pivot on high temperature nylon bushings
- ½" square zinc-plated steel pivot pins
- ½" square zinc-plated steel adjustable operating shaft, extends up to 4" beyond the air control frame
- Single blades on dampers with a height of 10" or less
- Blades run parallel to first dimension given
- Blades must be operated on horizontal plane
- Minimum size 6"×6"
- Maximum one piece size 48"×48"

Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Galvanized finish



3000 OBD Series

Opposed Blade Control Damper

Model	Description
3000-O	Air Control Damper
3000-OLL	Air Control Damper Low Leak Package

FEATURES

- Opposed blade operation designed for precise volume control
- 16-gauge galvanized channel frame
- Galvanized blades are vee stiffened for extra strength and stability
- Blades pivot on high temperature nylon bushings
- ½" square zinc-plated steel pivot pins
- ½" square zinc-plated steel adjustable operating shaft, extends up to 4" beyond the air control frame
- Blades run parallel to first dimension given
- Blades must be operated on horizontal plane
- Minimum size 8"×8"
- Maximum one piece size 48"×48"

Application • Duct mounted

Recommended for • Commercial applications

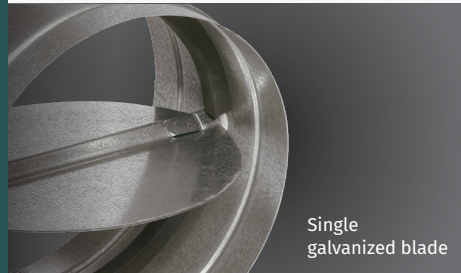
Standard Finish • Galvanized finish





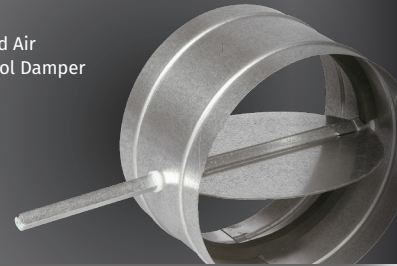
3000R SERIES

Quality. Value. Performance tested.

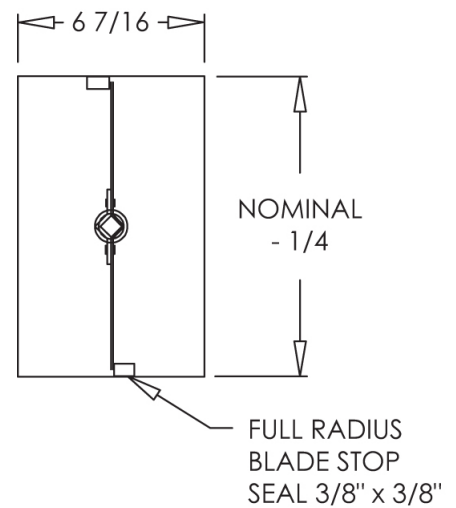
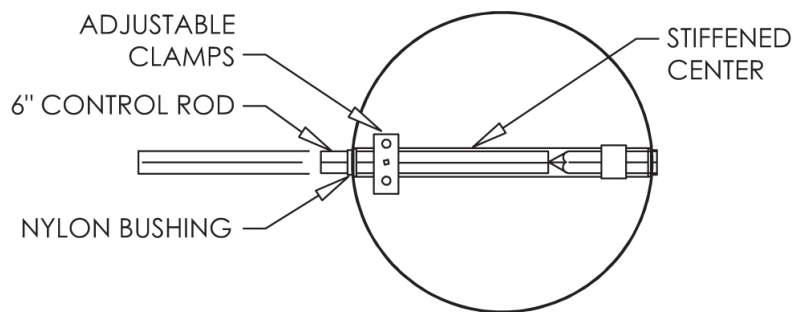


Single galvanized blade

Round Air Control Damper



Model 3000R





AIR CONTROL DAMPERS

3000R Series

Round Control Damper

Model	Description
3000R	Air Control Damper
3000RLL	Air Control Damper - Low Leak Package

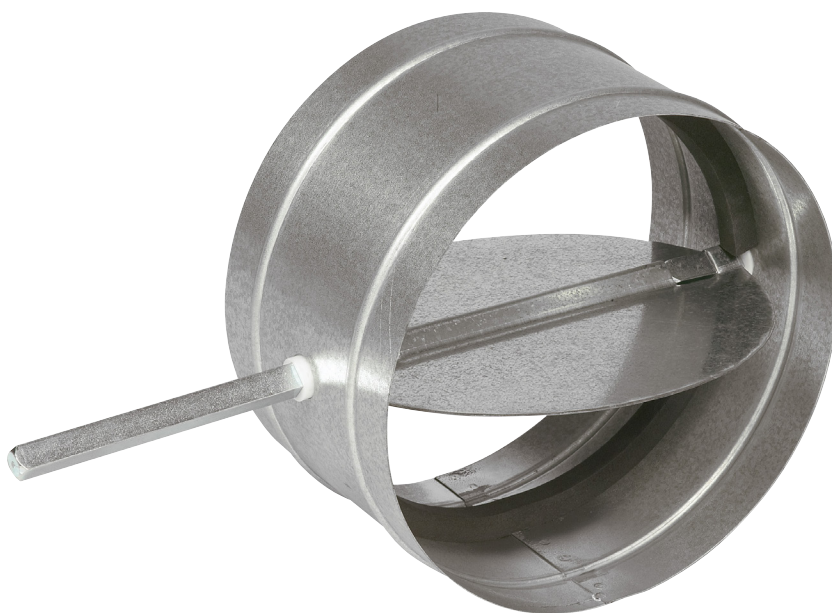
FEATURES

- Round damper designed for volume control
- 16-gauge galvanized channel frame
- Single galvanized blade is vee stiffened for extra strength and stability
- Blades pivot on high temperature nylon bushings
- 1/2" square zinc-plated steel pivot pins
- 1/2" square zinc-plated steel adjustable operating shaft, extends up to 4" beyond the air control frame
- Minimum size 5"
- Maximum size 24"

Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Galvanized finish

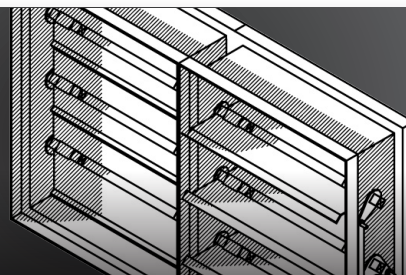




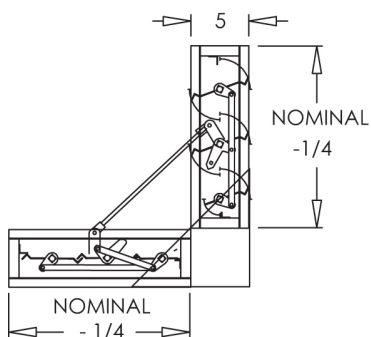
3100 SERIES

Quality. Value. Performance tested.

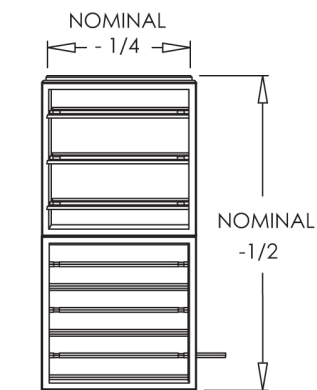
Blades pivot on high temperature nylon bushings



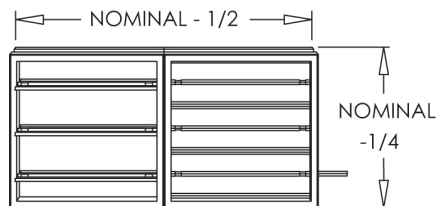
3100 Models



3101
RIGHT ANGLE



3102
TOP TO BOTTOM



3103
SIDE TO SIDE



FACE AND BY-PASS DAMPERS

3100 Series

Face and By-Pass Dampers

Model	Description
3101-P	Right Angle
3102-P	Top to Bottom
3103-P	Side to Side
3101-PLL	Right Angle Parallel Blades
3102-PLL	Top to Bottom Parallel Blades
3103-PLL	Side to Side Parallel Blades
3101-O	Right Angle
3102-O	Top to Bottom
3103-O	Side to Side
3101-OLL	Right Angle Opposed Blades Low Leakage Package
3102-OLL	Top to Bottom Opposed Blades Low Leakage Package
3103-OLL	Side to Side Opposed Blades Low Leakage Package

FEATURES

- 16-gauge channel frame and blades
- Galvanized blades are vee stiffened for extra strength and stability
- Blades pivot on high temperature nylon bushings
- 1/2" square zinc-plated steel pivot pins
- 1/2" square zinc-plated steel adjustable operating shaft, extends up to 4" beyond the air control frame
- Common control rod opens and closes dampers simultaneously
- 1/2" square steel pivot pins and rod
- Two dampers assembled together enabling one to open while the other closes

Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Galvanized finish

Options

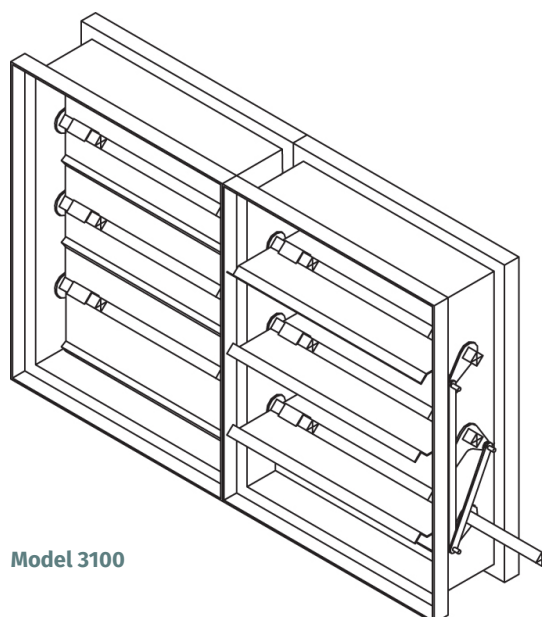
- ▶ *Low Leak Package: Features stainless steel jamb seals, Blade-to-blade neoprene seals, and 3% maximum leakage with a pressure differential 3" W.C.*
- ▶ (MODELS: 3101-LL, 3102-LL, 3103-LL - not pictured)
- ▶ Bronze bearings
- ▶ Round operating shaft (1/2" diameter)
- ▶ Fractional and exact O.D. dimensions
- ▶ Direct mount damper motor (field installed). Mounts on operating shaft

Mounting Options

- ▶ Right Angle (MODEL: 3101)
- ▶ Top to Bottom (MODEL: 3102)
- ▶ Side to Side (MODEL: 3103)

Blade Configuration

- ▶ Parallel Blades (MODELS: 3101-P, 3102-P, 3103-P)
- ▶ Opposed Blades (MODELS: 3101-OB, 3102-OB, 3103-OB)



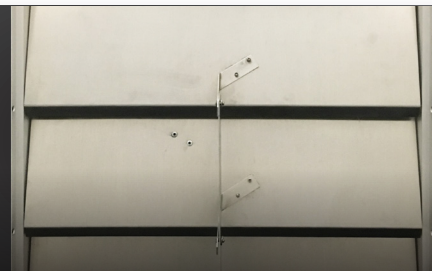
Model 3100



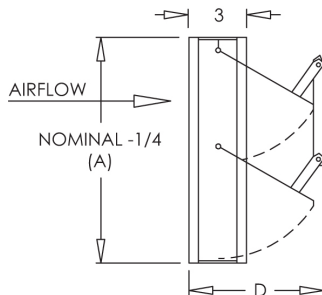
3500 SERIES

Quality. Value. Performance tested.

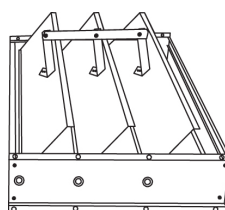
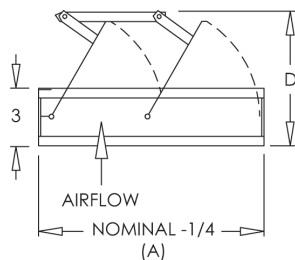
Designed to open in negative or positive pressures for intake or exhaust air



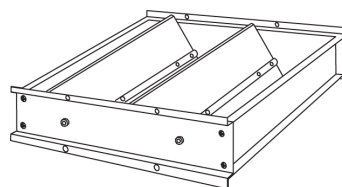
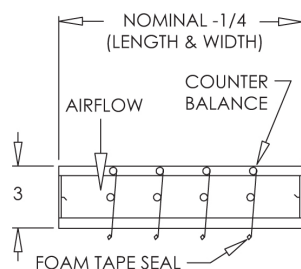
Model 3510



Model 3520



Model 3530





PRESSURE RELIEF DAMPERS

3510/3520/3530 Series

Pressure Relief Damper

Model	Description
3510	Vertical Mount
3520	Horizontal Mount Air Up Configuration
3530	Horizontal Mount Air Down Configuration

FEATURES

- Designed to open in negative or positive pressures for intake or exhaust air
- All aluminum construction
- Blade-to-blade linkage
- Foam tape sealed blade edges to dampen noise
- Single blades on dampers with a height of 10" or less
- Blades run parallel to first dimension given
- 1/4" pivot pins in nylon bearings
- Minimum size 6"×6"
- Maximum size 24"×24"

Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Mill Finish



Model 3510

Options

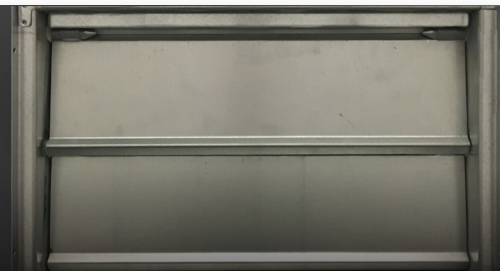
- ▶ Adjustable counter balance arms mounted to center of blades. Adjustable weights can be positioned along arm for various opening pressures. (Available only on dampers with multiple blades.)
- ▶ Mounting flange
- ▶ Sleeves (Contact factory for details)
- ▶ Fractional and exact O.D. dimensions
- ▶ Horizontal mount (air up) pressure relief (MODEL: 3520 - not pictured)
- ▶ Horizontal mount (air down) pressure relief (MODEL: 3530 - not pictured)



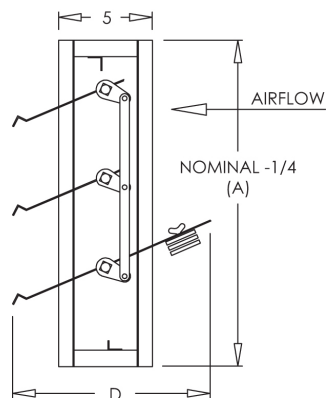
3550 SERIES

Quality. Value. Performance tested.

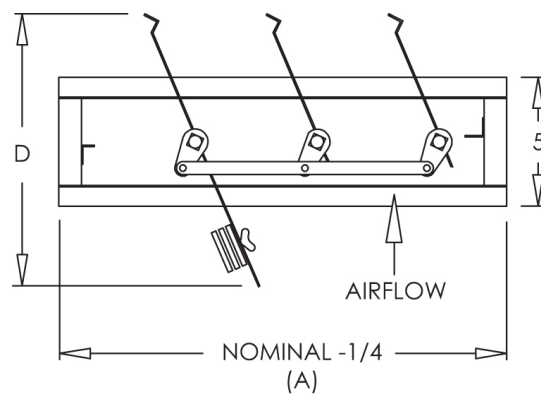
Dampers are opened by air pressure differential and closed by gravity



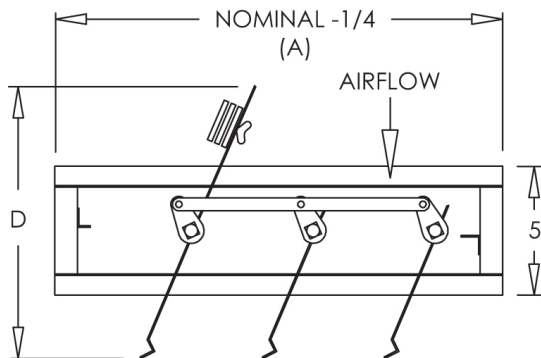
Model 3550



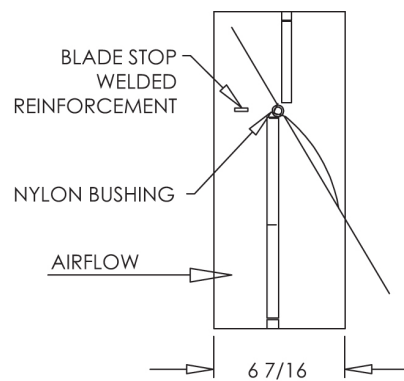
Model 3560



Model 3570



Model 3580





BACKDRAFT DAMPERS

3550/3560/3570/3580 Series

Backdraft Damper

Model	Description
3550	Vertical Mount
3560	Horizontal Mount Air Up Configuration
3570	Horizontal Mount Air Down Configuration
3580	Vertical Mount Round

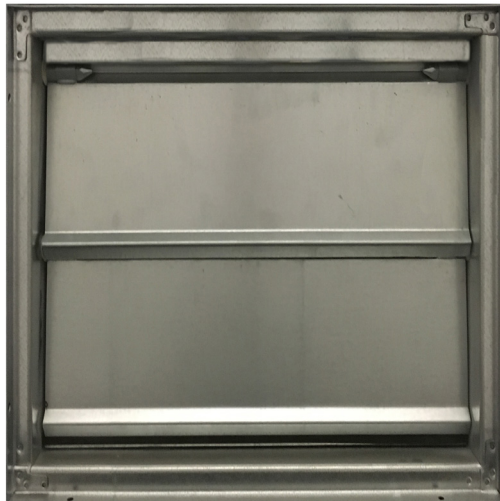
Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Galvanized finish

FEATURES

- Dampers are opened by air pressure differential and closed by gravity
- 16-gauge channel frame
- Galvanized blades are 26-gauge and vee stiffened for extra strength and stability
- Out of airstream linkage
- Adjustable counter balance arms mounted to center of blades.
- Single blades on dampers with a height of 10" or less
- Blades run parallel to first dimension given
- Square steel pivot pins in nylon bushings
- Foam tape sealed blade edges to dampen noise
- Minimum size 6"×6"
- Maximum size 48"×48"



Model 3550

Options

- ▶ Adjustable weights can be positioned along arm for various opening pressures. (Only on dampers with multiple blades.)
- ▶ Double blades on dampers with a height of 8" or 10" (i.e. 3550-8×8 DB.)
- ▶ Outside mounting flange
- ▶ Bronze bearings
- ▶ Sleeves (Contact factory for details)
- ▶ Fractional and exact O.D. dimensions
- ▶ Horizontal mount air up configuration (MODEL: 3560 - not pictured)
- ▶ Horizontal mount air down configuration (MODEL: 3570 - not pictured)
- ▶ Round design (MODEL: 3580 - not pictured)



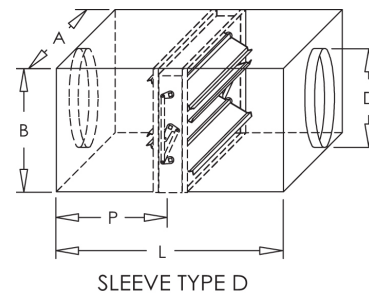
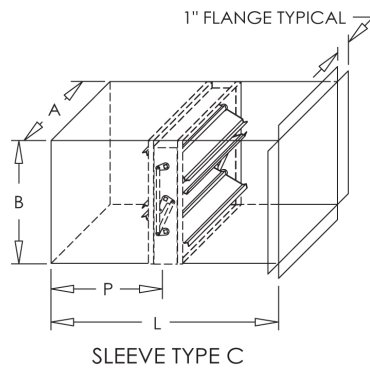
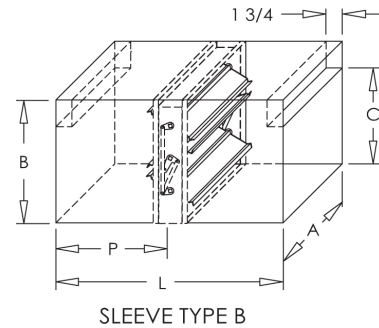
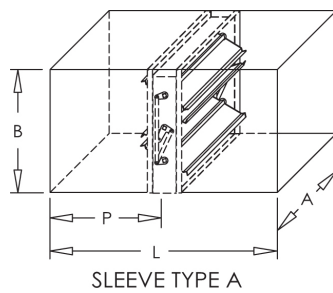
SLEEVES FOR DAMPERS

Quality. Value. Performance tested.

Sleeve Type A: Square or rectangular



Sleeves for Dampers



Note: Drawings required for sleeve type C or non-standard sleeves. Specify required dimensions A, B, C, L, and P prior to ordering.



DAMPER SLEEVES

Sleeves for Dampers

Damper Sleeves for 3000 and 3500 series

Model	Description
Type A	Square or Rectangular
Type B	Out-of-Airstream
Type C	Square or Rectangular with Flange
Type D	Square or Rectangular with Round Collar

FEATURES

- Sleeve Type A: Square or rectangular
- Standard sleeve length 18"
- 20-gauge galvanized steel standard

Application • Duct mounted

Recommended for • Commercial applications

Standard Finish • Mill Finish

Sleeve Types

Type B: Out-of-Airstream

Type C: Square or rectangular with flange
(Note: When ordered with 3500 series - dampers must specify whether flange is on intake or exhaust side of damper)

Type D: Square or rectangular with round collar
(Note: Round collar must be 2" smaller than square sleeve dimension i.e. 10"x10"-8")

Options

- ▶ Gauges: 14 through 22 ga.
- ▶ Aluminum sleeve (available only on 3000 series)
- ▶ Access door installed
- ▶ Retaining angles
- ▶ Available in sleeve lengths 6" through 20"
- ▶ Fractional and exact O.D. dimensions





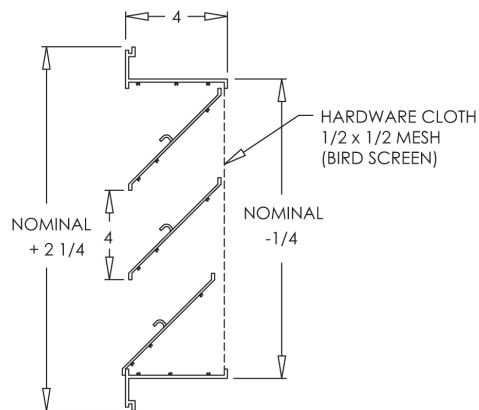
4500 SERIES

Quality. Value. Performance tested.

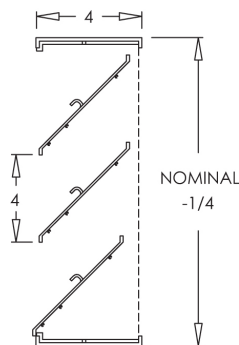
Louvers set at 45°
on 4" centers



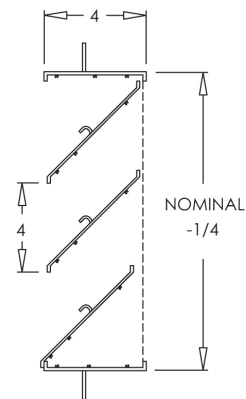
Model 4500



Model 4500-CF (Channel frame)



Model 4500-OF (Offset flange frame)





OUTSIDE AIR LOUVERS

4500 Series

Stationary 4" Outside Air Louver

Model	Description
4500	Standard flange frame
4500-CF	Flush Mount Channel Frame
4500-OF	Offset Flange Frame
4500-6	6" Depth Flange Frame
4500-IS	Insect Screen (1/16"×1/16")
4500-RS	Removable Bird Screen

FEATURES

- Extruded aluminum construction
- Standard flange frame
- 4" depth
- Louvers set at 45° on 4" centers
- Storm bend on louvers to minimize water penetration
- Bird screen (1/2"×1/2")
- Blades run parallel to first dimension given
- Minimum size 6"×6"
- Maximum one piece size 96"×60"

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4500

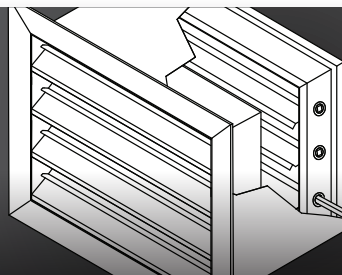
Options

- ▶ 6" depth flange frame (MODEL: 4500-6)
- ▶ Flush mount channel frame (MODEL: 4500-CF - not pictured)
- ▶ Offset flange frame (MODEL: 4500-OF - not pictured)
- ▶ Insect Screen (1/16"×1/16") (MODEL: 4500-IS - not pictured)
- ▶ Removable bird screen (MODEL: 4500-RS - not pictured)
- ▶ Galvanneal steel construction
- ▶ Marine 12-gauge galvanneal construction with fully welded steel frame and louvers
- ▶ Fractional, exact I.D. and O.D. dimensions



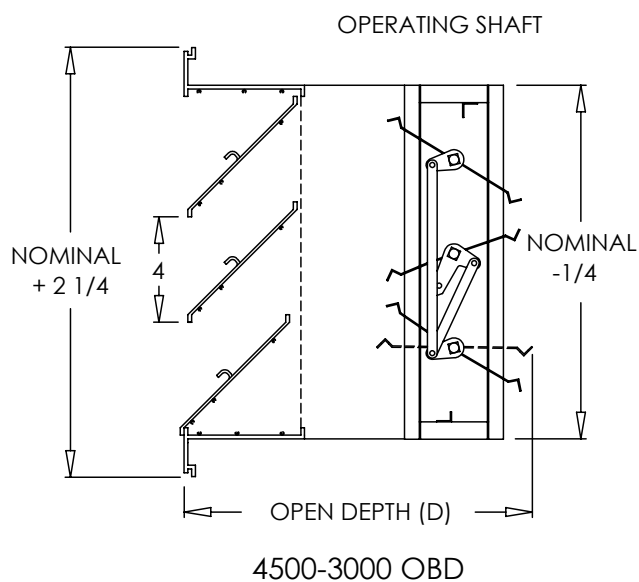
4500-3000OBD SERIES

Quality. Value. Performance tested.



Steel construction
opposed blade air
control damper

Model 4500-3000OBD





OUTSIDE AIR LOUVERS

4500-3000OBD Series

Combination Stationary 4" Outside Air Louver

Model	Description
4500-3000OBD	Combination Stationary 4" Outside Air Louver with Opposed Blade Air Control Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3000OBD opposed blade air control damper
- Sleeve attached to 4500 stationary outside air louver for easy mounting
- Standard flange frame
- 4" depth
- Driftwood Tan (4500)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



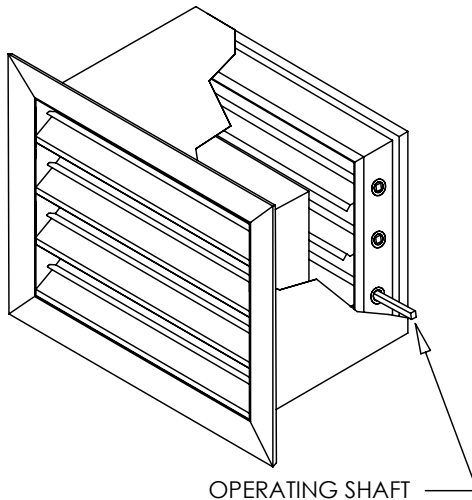
DT Driftwood Tan



BZ Bronze



BK Black



Model 4500-3000OBD

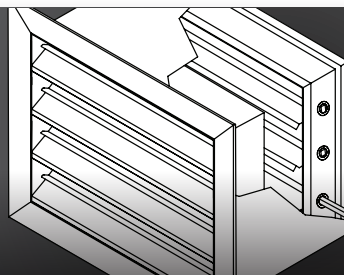
Options

- ▶ **Low Leak Package:** features stainless steel jamb seals, blade to blade neoprene seals, and 3% maximum leakage with a pressure differential 3" W.C. (4500-3000 OBDLL)
- ▶ **Flush mount channel frame**
- ▶ **Offset flange frame, must specify placement**
- ▶ **Insect Screen**
- ▶ **Direct mount damper motors (Field installed.)** Mounts on operating shaft. Standard operating shaft position is bottom right, back side of damper blades when viewed from face of the product.
- ▶ **Fractional, exact O.D. dimensions available**



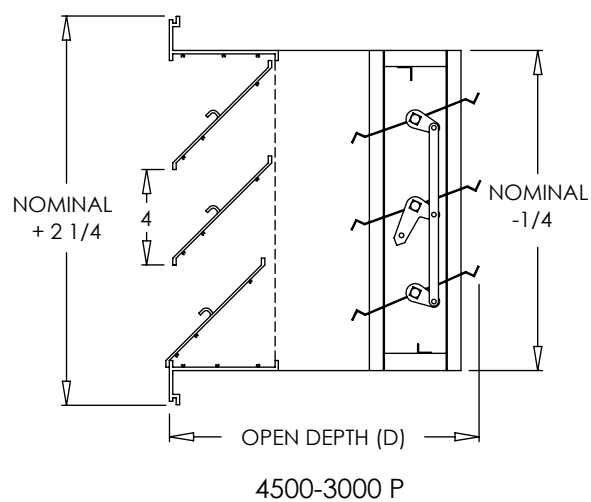
4500-3000P SERIES

Quality. Value. Performance tested.



Parallel Blade Air Control Damper

Model 4500-3000P





OUTSIDE AIR LOUVERS

4500-3000P Series

Combination Stationary 4" Outside Air Louver

Model	Description
4500-3000P	Combination Stationary 4" Outside Air Louver with Parallel Blade Air Control Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel 3000P parallel blade air control damper
- Sleeve attached to 4500 stationary outside air louver for easy mounting
- Standard flange frame
- 4" depth
- Driftwood Tan (4500)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



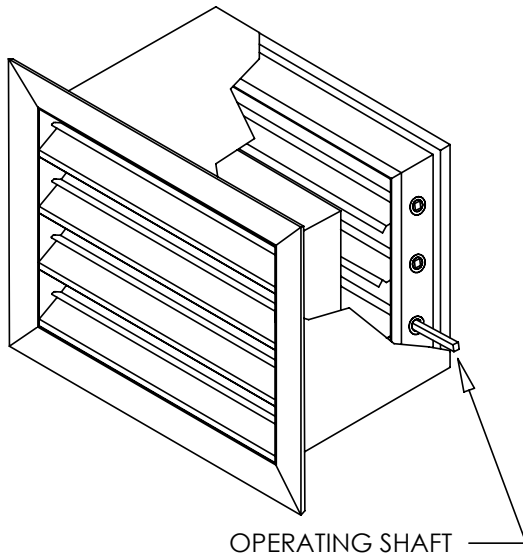
DT Driftwood Tan



BZ Bronze



BK Black



Options

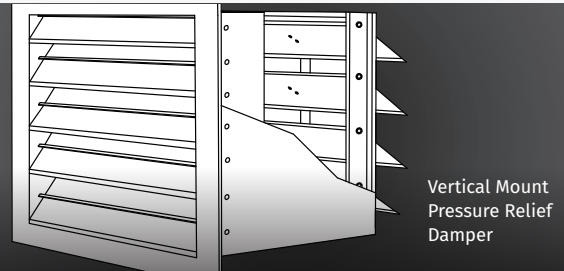
- ▶ **Low Leak Package:** features stainless steel jamb seals, blade to blade neoprene seals, and 3% maximum leakage with a pressure differential 3" W.C. (4500-3000 PLL)
- ▶ **Flush mount channel frame**
- ▶ **Offset flange frame, must specify placement**
- ▶ **Insect Screen**
- ▶ **Direct mount damper motors (Field installed.)** Mounts on operating shaft. Standard operating shaft position is bottom right, back side of damper blades when viewed from face of the product.
- ▶ **Double blades on dampers with a height of 8" or 10" (i.e. 4500-3000 P-8x8DB)**
- ▶ **Fractional, exact O.D. dimensions available**

Model 4500-3000P

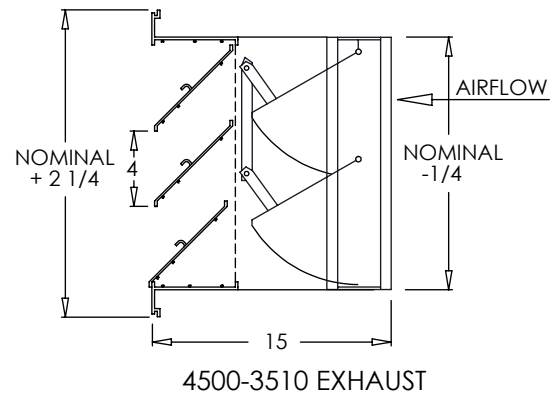
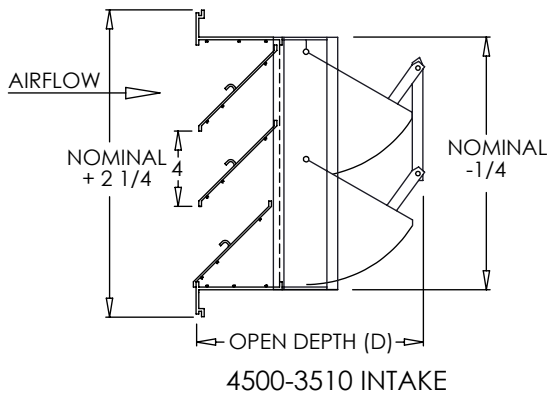


4500-3510 SERIES

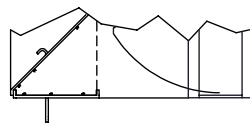
Quality. Value. Performance tested.



Model 4500-3510

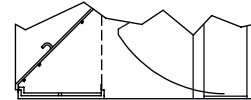


4500-3510 OF (Offset flange frame)



Offset Flange Frame
4500-3510 EXHAUST OF

500-3510 CF (Channel frame)



Flush Mount Channel Frame
4500-3510 EXHAUST CF



OUTSIDE AIR LOUVERS

4500-3510 Series

Stationary 4" Outside Air Louver

Model	Description
4500-3510	Combination Stationary 4" Outside Air Louver with Vertical Mount Pressure Relief Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Aluminum construction 3510 pressure relief damper
- Designed to open in negative or positive pressures for intake or exhaust air
- Sleeve attached to 4500 stationary outside air louver
- Standard flange frame
- 4" depth
- Driftwood Tan (4500)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



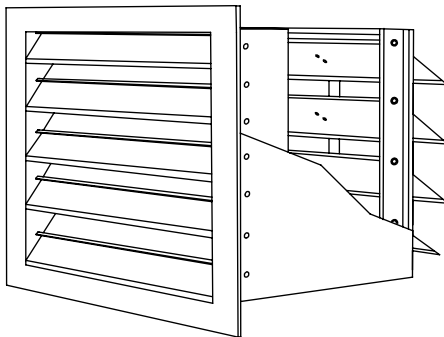
DT Driftwood Tan



BZ Bronze



BK Black



NOTE with sleeve need to reverse blades to make product exhaust (See drawing)

Model 4500-3510

Options

- ▶ Adjustable counter balance arms mounted to center of blades. Adjustable weights can be positioned along arms for various opening pressures. (Available only on dampers with multiple blades.)
- ▶ Flush mount channel frame
- ▶ Offset flange frame, must specify flange placement
- ▶ Insect Screen
- ▶ Fractional, exact O.D. dimensions

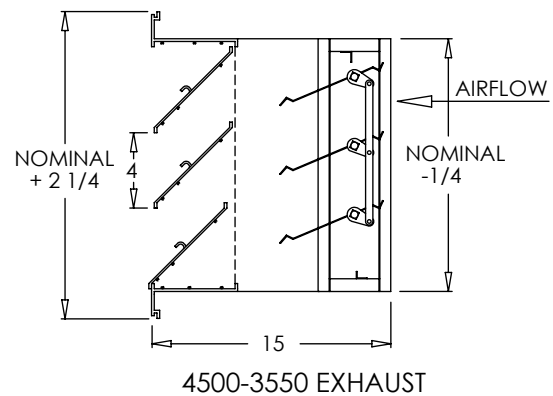
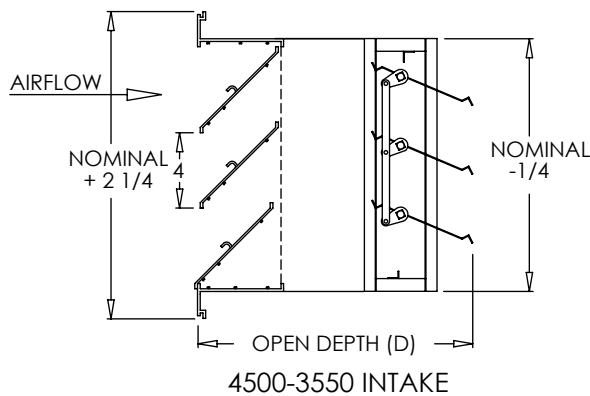


4500-3550 SERIES

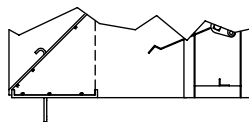
Quality. Value. Performance tested.



Model 4500-3550

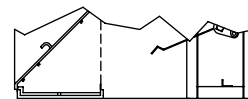


Model 4500-OF (Offset flange frame)



Offset Flange Frame
4500-3550 EXHAUST OF

Model 4500-CF (Channel frame)



Flush Mount Channel Frame
4500-3550 EXHAUST CF



OUTSIDE AIR LOUVERS

4500-3550 Series

Combination Stationary 4" Outside Air Louver

Model	Description
4500-3550	Combination Stationary 4" Outside Air Louver with Vertical Mount Backdraft Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3550 backdraft damper
- Sleeve attached to 4500 stationary outside air louver
- Standard flange frame
- 4" depth
- Driftwood Tan (4500)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



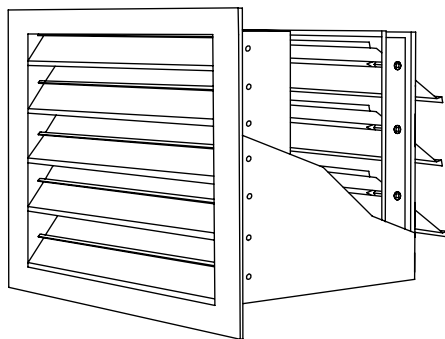
DT Driftwood Tan



BZ Bronze



BK Black



Model 4500-3550

Options

- ▶ Flush mount channel frame
- ▶ Offset flange frame, must specify flange placement
- ▶ Insect Screen
- ▶ Bronze bearings
- ▶ Double blades on dampers with a height of 8" or 10" (i.e. 4500-3550-8x8 DB)
- ▶ Fractional, exact O.D. dimensions available



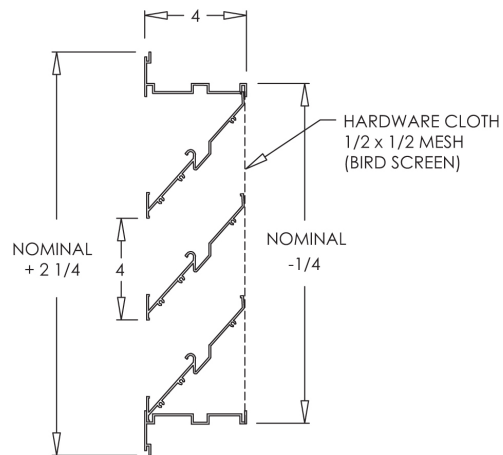
4525 SERIES

Quality. Value. Performance tested.

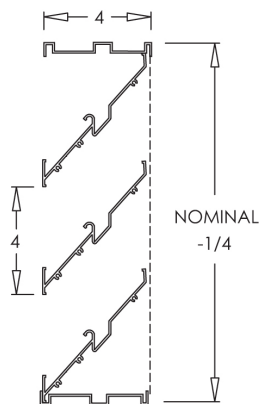
Designed for
water drainage



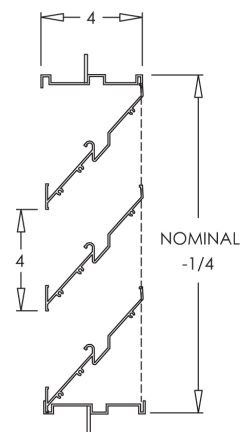
Model 4525



Model 4525-CF (Channel frame)



Model 4525-OF (Offset flange frame)





OUTSIDE AIR LOUVERS

4525 Series

Storm Resistant Stationary 4" Drainable Outside Air Louver

Model	Description
4525	Standard Flange Frame
4525-CF	Flush Mount Channel Frame
4525-OF	Offset Flange Frame
4525-IS	Insect Screen (1/16"×1/16")
4525-RS	Removable Bird Screen

FEATURES

- Extruded aluminum construction
- Standard flange frame
- 4" depth
- Louvers set at 45° on 4" centers
- Storm bend on louvers to prevent water penetration
- Water channel in side frame for drainage
- Water slots in bottom frame for drainage
- Bird screen (1/2"×1/2")
- Blades run parallel to first dimension given
- Minimum size 6"×6"
- Maximum one piece size 96"×60"

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4525

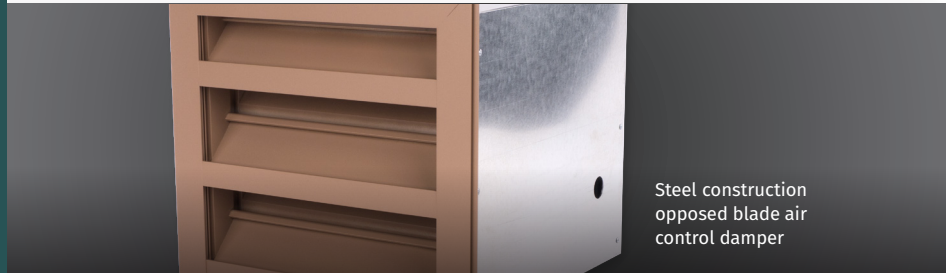
Options

- ▶ Flush mount channel frame
(MODEL: 4525-CF - not pictured)
- ▶ Offset flange frame
(MODEL: 4525-OF - not pictured)
- ▶ Insect Screen (1/16"×1/16")
(MODEL: 4525-IS - not pictured)
- ▶ Removable bird screen
(MODEL: 4525-RS - not pictured)
- ▶ Fractional, exact I.D. and O.D. dimensions



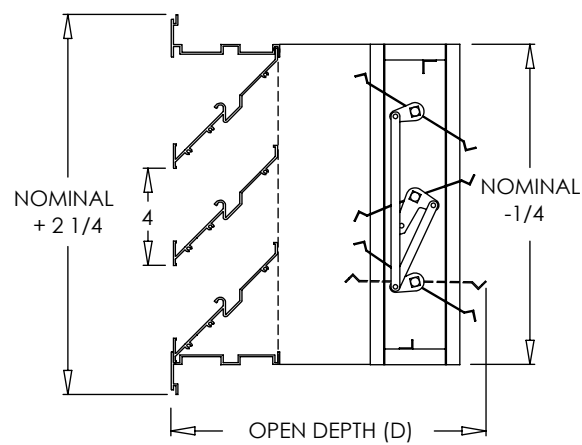
4525-3000OBD SERIES

Quality. Value. Performance tested.



Steel construction
opposed blade air
control damper

Model 4525-3000OBD



4525-3000 OBD



OUTSIDE AIR LOUVERS

4525-3000OBD Series

Combination Stationary 4" Drainable Outside Air Louver

Model	Description
4525-3000OBD	Combination Stationary 4" Drainable Outside Air Louver with Opposed Blade Air Control Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3000OBD opposed blade air control damper
- Sleeve attached to 4525 storm resistant drainable outside air louver
- Standard flange frame
- 4" depth
- Driftwood Tan (4525)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4525-3000OBD

Options

- ▶ *Low Leak Package: features stainless steel jamb seals, blade to blade neoprene seals, and 3% maximum leakage with a pressure differential 3" W.C.*
- ▶ *Flush mount channel frame*
- ▶ *Offset flange frame, must specify placement*
- ▶ *Insect Screen*
- ▶ *Direct mount damper motors (Field installed.) Mounts on operating shaft. Standard operating shaft position is bottom right, back side of damper blades when viewed from face of the product.*
- ▶ *Fractional, exact O.D. dimensions available*



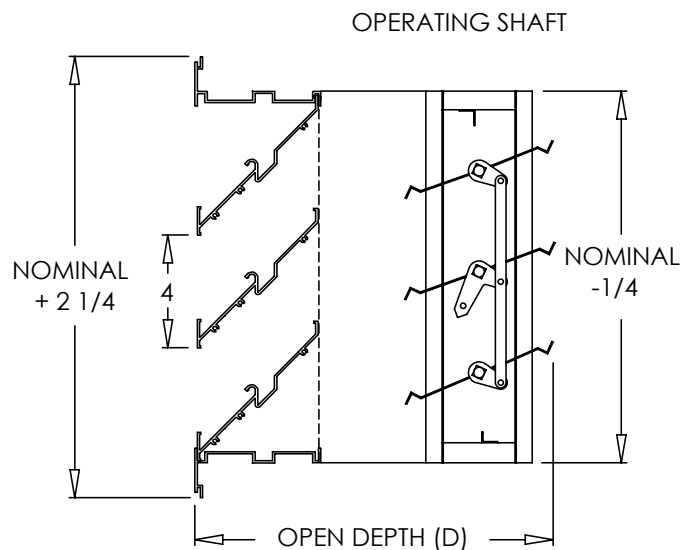
4525-3000P SERIES

Quality. Value. Performance tested.



Steel construction
3000P parallel
blade air control
damper

Model 4525-3000P



4525-3000 P



OUTSIDE AIR LOUVERS

4525-3000P Series

Combination Stationary 4" Drainable Outside Air Louver

Model	Description
4525-3000P	Combination Stationary 4" Drainable Outside Air Louver with Parallel Blade Air Control Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3000P parallel blade air control damper
- Sleeve attached to 4525 storm resistant drainable outside air louver
- Standard flange frame
- 4" depth
- Driftwood Tan (4525)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4525-3000P

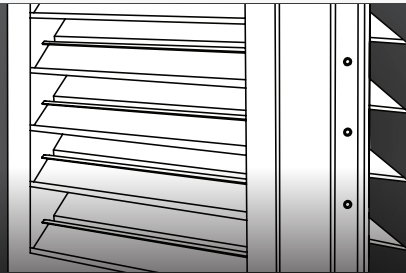
Options

- ▶ **Low Leak Package:** features stainless steel jamb seals, blade to blade neoprene seals, and 3% maximum leakage with a pressure differential 3" W.C. (4525-3000 PLL)
- ▶ **Flush mount channel frame**
- ▶ **Offset flange frame, must specify placement**
- ▶ **Insect Screen**
- ▶ **Direct mount damper motors (Field installed.)** Mounts on operating shaft. Standard operating shaft position is bottom right, back side of damper blades when viewed from face of the product.
- ▶ **Double blades on dampers with a height of 8" or 10" (i.e. 4525-3000 P-8x8 DB)**
- ▶ **Fractional, exact O.D. dimensions available**



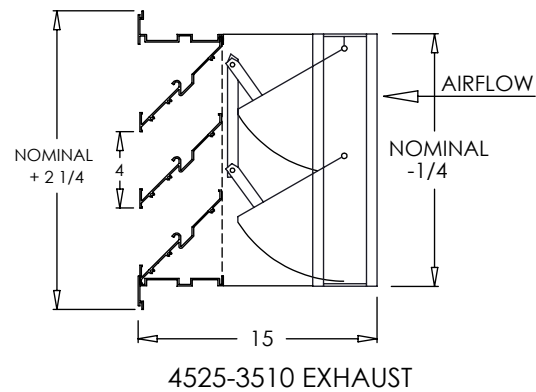
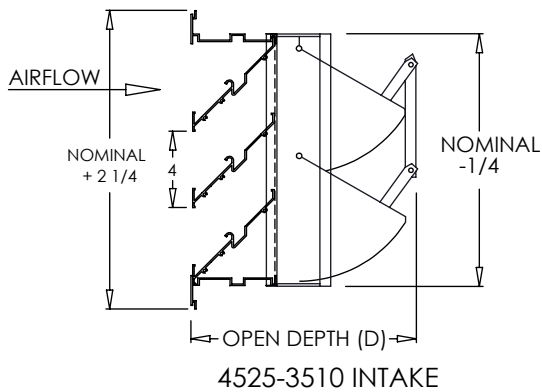
4525-3510 SERIES

Quality. Value. Performance tested.

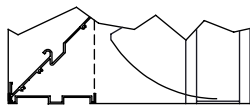


Vertical Mount
Backdraft Damper

Model 4525-3510

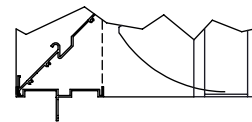


Model 4500-CF (Channel frame)



Flush Mount Channel Frame
4525-3510 EXHAUST CF

Model 4500-OF (Offset flange frame)



Offset Flange Frame
4525-3510 EXHAUST OF



OUTSIDE AIR LOUVERS

4525-3510 Series

Combination Stationary 4" Drainable Outside Air Louver

Model	Description
4525-3510	Combination Stationary 4" Drainable Outside Air Louver with Vertical Mount Backdraft Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Aluminum construction 3510 vertical mount pressure relief damper
- Designed to open in negative or positive pressures for intake or exhaust air
- Sleeve attached to 4525 storm resistant drainable outside air louver
- Standard flange frame
- 4" depth
- Driftwood Tan (4525)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



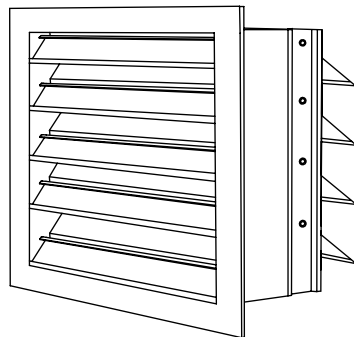
DT Driftwood Tan



BZ Bronze



BK Black



Model 4525-3510

Options

- ▶ Adjustable counter balance arms mounted to center of blades. Adjustable weights can be positioned along arm for various opening pressures. (Available only on dampers with multiple blades.)
- ▶ Flush mount channel frame
- ▶ Offset flange frame, must specify flange placement
- ▶ Insect Screen
- ▶ Fractional, exact O.D. dimensions available

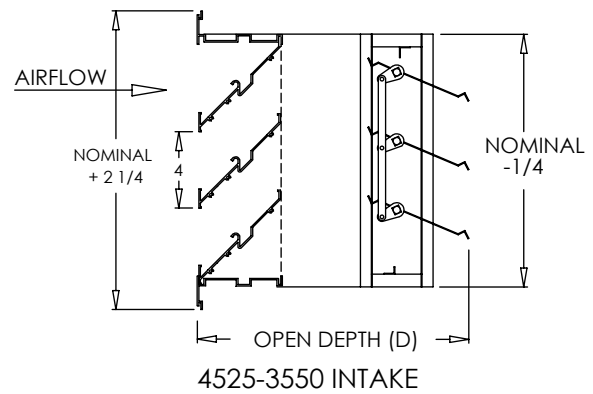
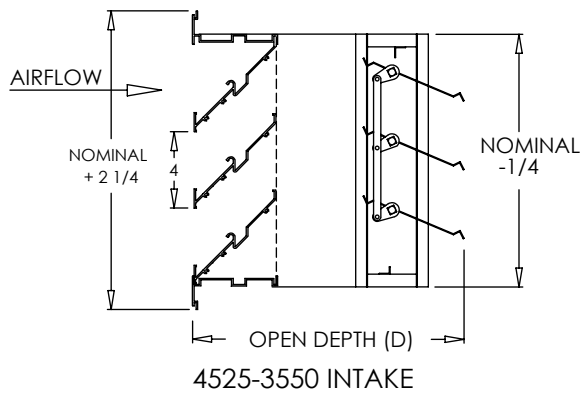


4525-3550 SERIES

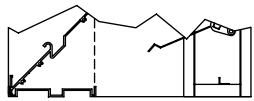
Quality. Value. Performance tested.



Model 4525-3550 Standard

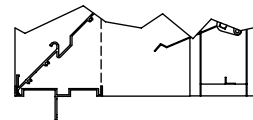


Model 4500-CF (Channel Frame)



Flush Mount Channel Frame
4525-3550 EXHAUST CF

Model 4500-OF (Offset flange frame)



Offset Flange Frame
4525-3550 EXHAUST OF



OUTSIDE AIR LOUVERS

4525-3550 Series

Combination Stationary 4" Outside Air Louver

Model	Description
4525-3550	Combination Stationary 4" Drainable Outside Air Louver with Vertical Mount Backdraft Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3550 vertical mount backdraft damper
- Dampers are opened by air pressure differential and closed by gravity
- Sleeve attached to 4525 storm resistant drainable outside air louver
- Standard flange frame
- 4" depth
- Driftwood Tan (4525)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



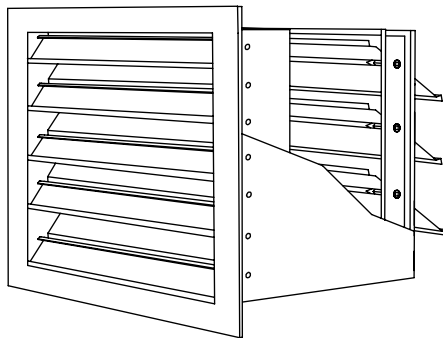
DT Driftwood Tan



BZ Bronze



BK Black



Model 4525-3550

Options

- ▶ Flush mount channel frame
- ▶ Offset flange frame, must specify flange placement
- ▶ Insect Screen
- ▶ Bronze bearings
- ▶ Double blades on dampers with a height of 8" or 10" (i.e. 4525-3550-8x8 DB)
- ▶ Fractional, exact O.D. dimensions available



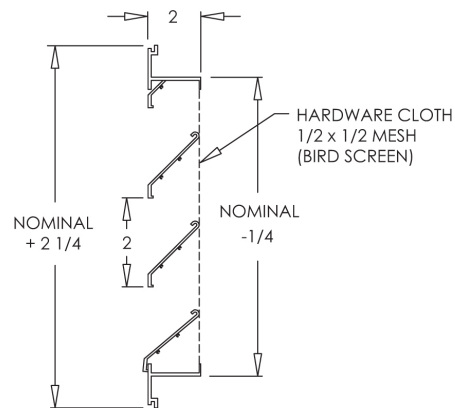
4550 SERIES

Quality. Value. Performance tested.

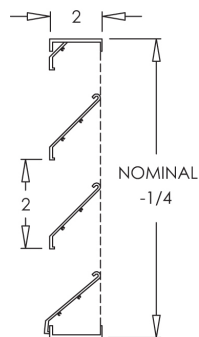
Storm bend on louvers
to minimize water
penetration



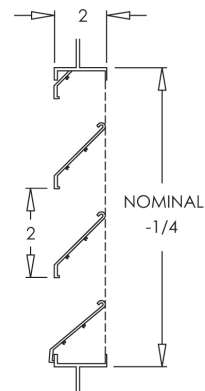
Model 4550



Model 4550-CF (Channel Frame)



Model 4550-OF (Offset flange frame)





OUTSIDE AIR LOUVER

4550 Series

Stationary 2" Outside Air Louver

Model	Description
4550	Standard Flange Frame
4550-CF	Flush Mount Channel Frame
4550-OF	Offset Flange Frame
4550-IS	Insect Screen (1/16"×1/16")
4550-RS	Removable Bird Screen

FEATURES

- Extruded aluminum construction
- Standard flange frame
- 2" depth
- Louvers set at 45° on 2" centers
- Storm bend on louvers to minimize water from entering behind louver
- Bird screen (1/2"×1/2")
- Blades run parallel to first dimension given
- Minimum size 6"×6"
- Maximum one piece size 96"×60"

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4550

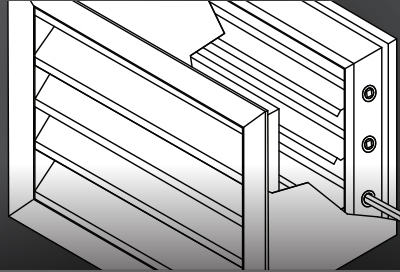
Options

- ▶ Flush mount channel frame
(MODEL: 4550-CF - not pictured)
- ▶ Offset flange frame
(MODEL: 4550-OF - not pictured)
- ▶ Insect Screen (1/16"×1/16")
(MODEL: 4550-IS - not pictured)
- ▶ Removable bird screen
(MODEL: 4550-RS - not pictured)
- ▶ Galvanneal steel construction
- ▶ Marine 12-gauge galvanneal construction with fully welded steel frame and louvers
- ▶ Fractional, exact I.D. and O.D. dimensions



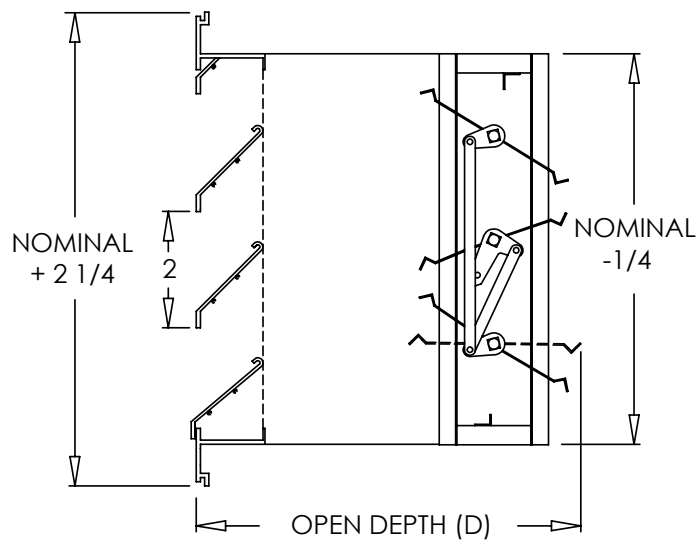
4550-3000OBD SERIES

Quality. Value. Performance tested.



Steel construction
3000OBD opposed
blade air control
damper

Model 4550-3000OBD



4550-3000 OBD



OUTSIDE AIR LOUVERS

4550-3000OBD Series

Combination Stationary 2" Outside Air Louver

Model	Description
4550-3000OBD	Combination Stationary 2" Outside Air Louver with Opposed Blade Air Control Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3000OBD opposed blade air control damper
- Sleeve attached to 4550 stationary outside air louver
- Standard flange frame
- 2" depth
- Driftwood Tan (4550)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



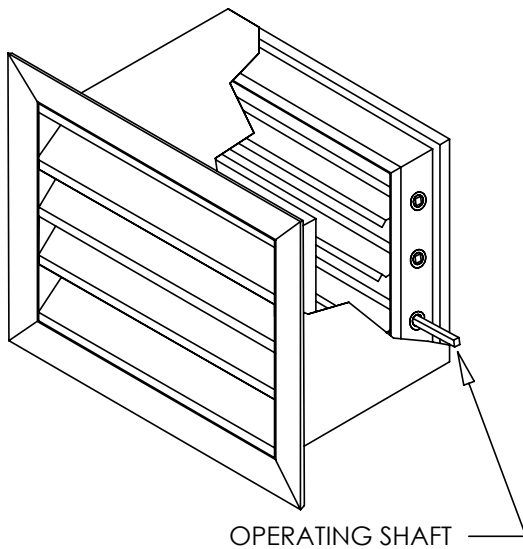
DT Driftwood Tan



BZ Bronze



BK Black



Options

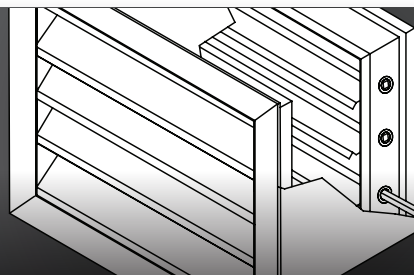
- ▶ **Low Leak Package:** features stainless steel jamb seals, blade to blade neoprene seals, and 3% maximum leakage with a pressure differential 3" W.C. (4550-3000 OBDLL)
- ▶ **Flush mount channel frame**
- ▶ **Offset flange frame, must specify placement**
- ▶ **Insect Screen**
- ▶ **Direct mount damper motors (Field installed.)** Mounts on operating shaft. Standard operating shaft position is bottom right, back side of damper blades when viewed from face of the product.
- ▶ **Fractional, exact O.D. dimensions available**

Model 4550-3000OBD



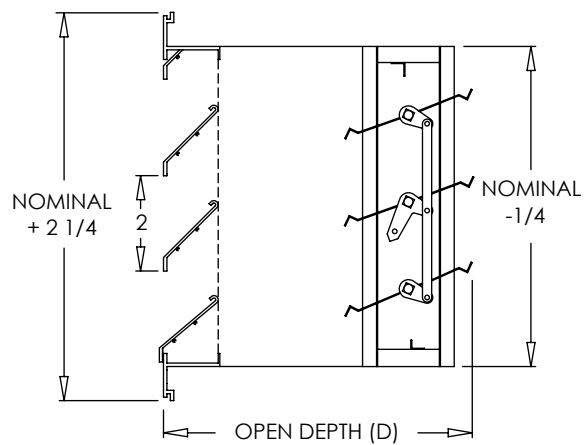
4550-3000P SERIES

Quality. Value. Performance tested.



Parallel Blade Air Control Damper

Model 4550-3000P



4550-3000 P



OUTSIDE AIR LOUVERS

4550-3000P Series

Combination Stationary 2" Outside Air Louver

Model	Description
4550-3000P	Combination Stationary 2" Outside Air Louver with Parallel Blade Air Control Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Steel construction 3000P parallel blade air control damper
- Sleeve attached to 4550 stationary outside air louver
- Standard flange frame
- 2" depth
- Driftwood Tan (4550)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



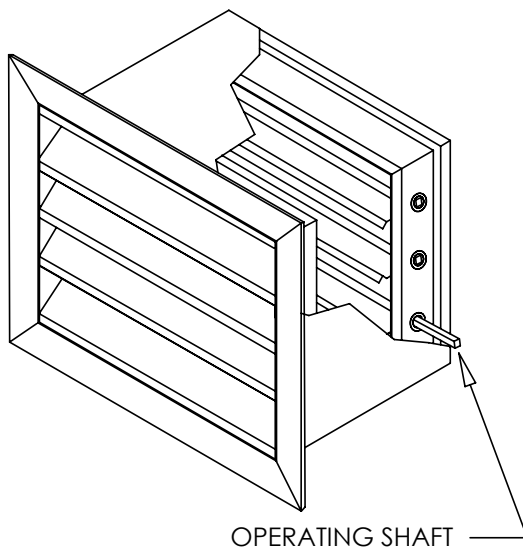
DT Driftwood Tan



BZ Bronze



BK Black



Model 4550-3000P

Options

- ▶ **Low Leak Package:** features stainless steel jamb seals, blade to blade neoprene seals, and 3% leakage with a pressure differential 3" W.C. (4550-3000 PLL)
- ▶ **Flush mount channel frame**
- ▶ **Offset flange frame, must specify placement**
- ▶ **Insect Screen**
- ▶ **Direct mount damper motors (Field installed.)** Mounts on operating shaft. Standard operating shaft position is bottom right, back side of damper blades when viewed from face of the product.
- ▶ **Double blades on dampers with a height of 8" or 10"** (i.e. 4550-3000 P-8x8 DB)
- ▶ **Fractional, exact O.D. dimensions available**



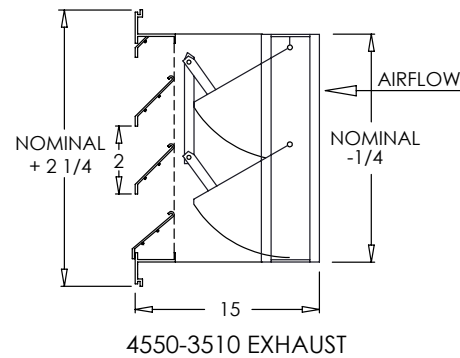
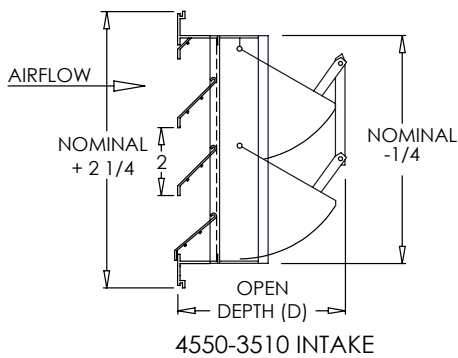
4550-3510 SERIES

Quality. Value. Performance tested.



Vertical Mount
Pressure Relief
Damper

Model 4550-3510

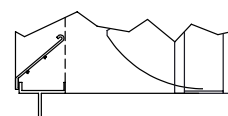


Model 4550-3510-CF (Channel Frame)



Flush Mount Channel Frame
4550-3510 EXHAUST CF

Model 4550-3510-OF (Offset flange frame)



Offset Flange Frame
4550-3510 EXHAUST OF



OUTSIDE AIR LOUVERS

4550-3510 Series

Combination Stationary 2" Outside Air

Model	Description
4550-3510	Combination Stationary 2" Outside Air Louver with Vertical Mount Pressure Relief Damper
	FEATURES • Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper • Aluminum construction 3510 pressure relief damper • Designed to open in negative or positive pressures for intake or exhaust air • Sleeve attached to 4550 stationary outside air louver • Standard flange frame • 2" depth • Driftwood Tan (4550)

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



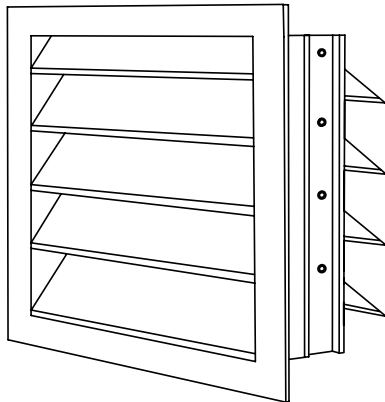
DT Driftwood Tan



BZ Bronze



BK Black



Model 4550-3510

Options

- ▶ Adjustable counter balance arms mounted to center of blades. Adjustable weights can be positioned along arm for various opening pressures. (Available only on dampers with multiple blades.)
- ▶ Flush mount channel frame
- ▶ Offset flange frame, must specify flange placement
- ▶ Insect Screen
- ▶ Fractional, exact O.D. dimensions available



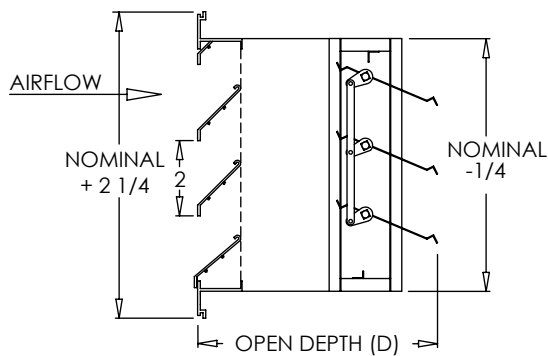
4550-3550 SERIES

Quality. Value. Performance tested.

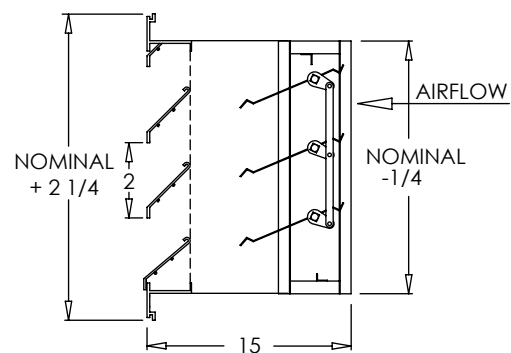


Vertical Mount
Backdraft Damper

Model 4550-3550



4550-3550 INTAKE



4550-3550 EXHAUST



OUTSIDE AIR LOUVERS

4550-3550 Series

Combination Stationary 4" Outside Air Louver

Model	Description
4550-3550	Combination Stationary 2" Outside Air Louver with Vertical Mount Backdraft Damper

FEATURES

- Dampers and louvers can be combined with a 20 gauge steel sleeve to create an environment to regulate airflow in or out of a louver with an operable blade damper
- Aluminum construction 3550 backdraft damper
- Dampers are opened by air pressure differential and closed by gravity
- Sleeve attached to 4550 stationary outside air louver
- Standard flange frame
- 2" depth
- Driftwood Tan (4550)

Application • Sidewall

Recommended for • Commercial applications
Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



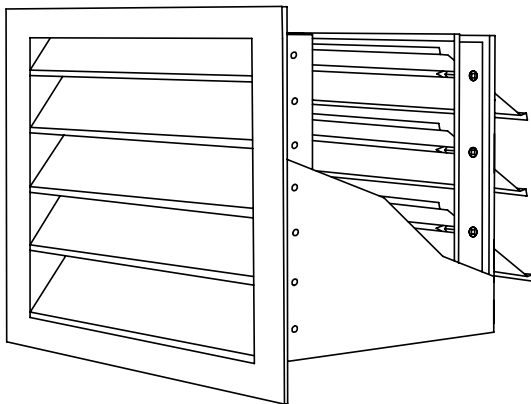
DT Driftwood Tan



BZ Bronze



BK Black



Model 4550-3550

Options

- ▶ *Flush mount channel frame*
- ▶ *Offset flange frame, must specify flange placement*
- ▶ *Insect Screen*
- ▶ *Bronze bearings*
- ▶ *Double blades on dampers with a height of 8" or 10" (i.e. 4550-3550-8x8 DB)*
- ▶ *Fractional, exact O.D. dimensions available*



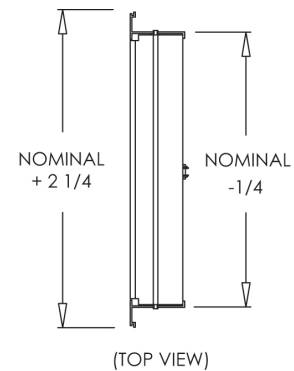
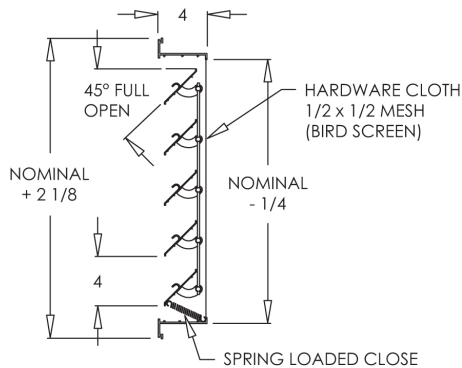
4600 SERIES

Quality. Value. Performance tested.

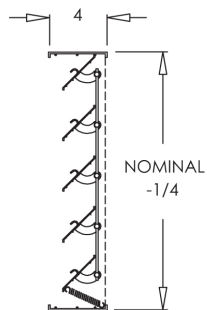
Standard
flange frame
4" depth



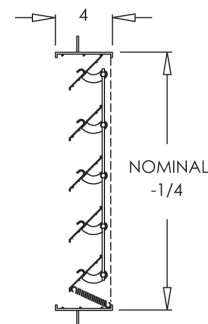
Model 4600



Model 4600-CF (Channel Frame)



Model 4600-OF (Offset flange frame)





OUTSIDE AIR LOUVERS

4600 Series

Adjustable 4" Outside Air Louver

Model	Description
4600	Standard Flange Frame
4600-CF	Flush Mount Channel Frame
4600-OF	Offset Flange Frame
4600-IS	Insect Screen ($\frac{1}{16}$ " $\times$ $\frac{1}{16}$ "

FEATURES

- Extruded aluminum construction
- Standard flange frame
- 4" depth
- Adjustable louvers on 4" centers
- Spring loaded close
- Storm bend on louvers to prevent water penetration
- Bird screen ($\frac{1}{2}$ " $\times$ $\frac{1}{2}$ "
- Blades run parallel to first dimension given
- $\frac{1}{4}$ " pivot pins in nylon bushings
- Minimum size 12" $\times$ 12"
- Maximum one piece size 48" $\times$ 48"

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4600

Options

- ▶ Flush mount channel frame
(MODEL: 4600-CF - not pictured)
- ▶ Offset flange frame
(MODEL: 4600-OF - not pictured)
- ▶ Insect Screen ($\frac{1}{16}$ " $\times$ $\frac{1}{16}$ "
(MODEL: 4600-IS - not pictured)
- ▶ Fractional, exact I.D. and
O.D. dimensions



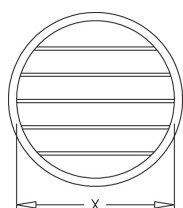
4700 SERIES

Quality. Value. Performance tested.

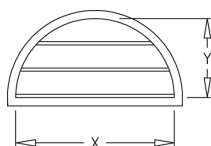
Stationary 4" Outside
Air Louver Radius and
Special Shapes



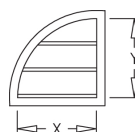
4700 Styles



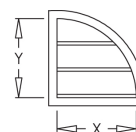
STYLE 1



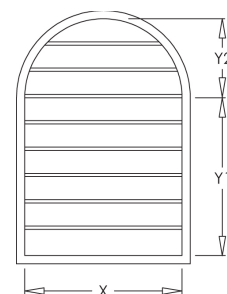
STYLE 2



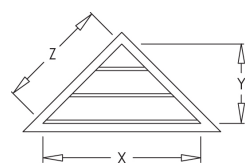
STYLE 3



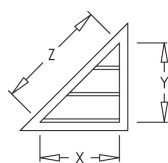
STYLE 4



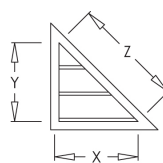
STYLE 5



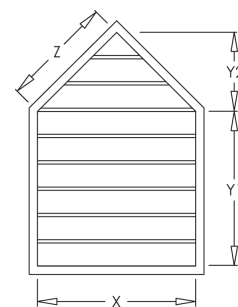
STYLE 6



STYLE 7

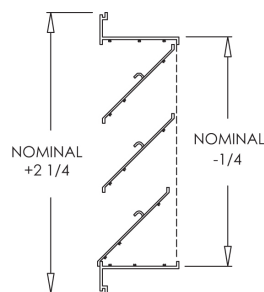


STYLE 8

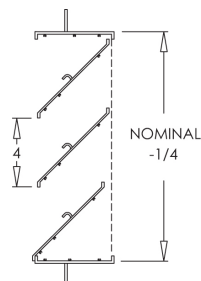


STYLE 9

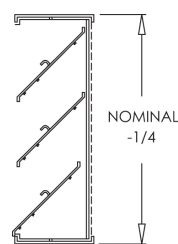
4700 Frames



FF
STANDARD



OF



CF

Note: Must specify
style of louver &
required X, Y, and Z
dimensions when
ordering.



OUTSIDE AIR LOUVERS

4700 Series

Stationary 2" and 4" Outside Air Louver Radius and Special Shapes

Model	Description
4750-CF	2" Flush Mount Channel Frame
4750-FF	2" Standard Flange Frame
4750-OF	2" Offset Flange
4750-IS	2" Insect Screen (1/16" X 1/16")
4700-CF	4" Flush Mount Channel Frame
4700-FF	4" Standard Flange Frame
4700-OF	4" Offset Flange Frame
4700-IS	4" Insect Screen (1/16" X 1/16")

FEATURES

- Extruded aluminum construction
- Standard flange frame
- 2" and 4" depth
- Louvers set at 45° on 4" centers
- Storm bend on louvers to minimize water from entering behind louver
- Bird screen (1/2" X 1/2")
- Blades run parallel to first dimension given

Application • Sidewall

Recommended for • Commercial applications

Standard Finish



SW Soft White

Additional Finish Options



PW Pristine White



WW Warm White



CG Cement Gray



AP Aluminum Paint



SG Storm Gray



CT Coffee Tan



DT Driftwood Tan



BZ Bronze



BK Black



Model 4700

Options

- ▶ Stationary 2" outside air louver radius and special shapes (MODEL: 4750)
- ▶ Flush mount channel frame (MODEL: 4700-CF - not pictured)
- ▶ Offset flange frame (MODEL: 4700-OF - not pictured)
- ▶ Insect Screen (1/16" X 1/16") (MODEL: 4700-IS - not pictured)
- ▶ Fractional dimensions



4900 SERIES

Quality. Value. Performance tested.

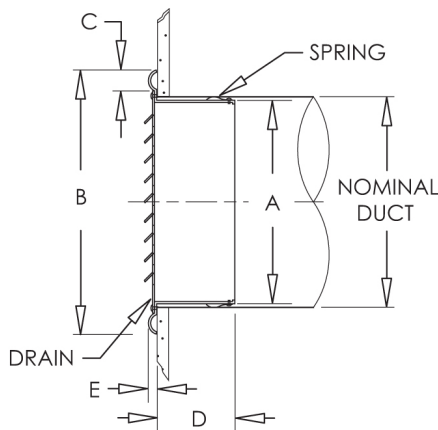
Round
Stamped
Louver Vent



Aluminum Fix
Bar Vent



Model 4901

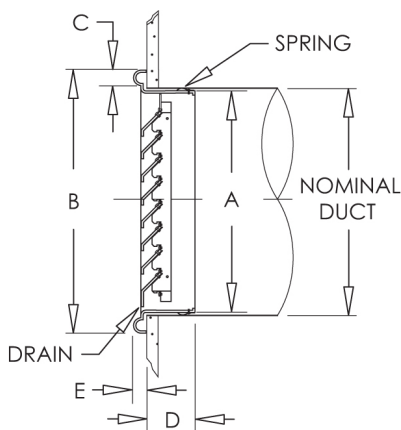


4901

4901 Dimensions

Duct Size	Free Area	A	B	C	D	E
3"	.02 ft ²	2 ²⁹ / ₃₂ "	4 ¹³ / ₁₆ "	1 ⁹ / ₃₂ "	1 ³ / ₈ "	⁹ / ₃₂ "
4"	.04 ft ²	3 ¹³ / ₁₆ "	5 ²³ / ₃₂ "	1 ⁹ / ₃₂ "	1 ²¹ / ₃₂ "	⁹ / ₃₂ "
5"	.05 ft ²	4 ³ / ₄ "	6 ²¹ / ₃₂ "	1 ⁹ / ₃₂ "	1 ²⁵ / ₃₂ "	⁹ / ₃₂ "
6"	.08 ft ²	5 ²³ / ₃₂ "	8	2 ⁵ / ₃₂ "	2 ³ / ₄ "	⁹ / ₃₂ "
7"	.11 ft ²	6 ¹¹ / ₁₆ "	8 ³¹ / ₃₂ "	2 ⁵ / ₃₂ "	2 ³ / ₄ "	⁹ / ₃₂ "
8"	.14 ft ²	7 ¹¹ / ₁₆ "	10"	2 ⁵ / ₃₂ "	2 ³ / ₄ "	⁹ / ₃₂ "

Model 4902



4902 Dimensions

Duct Size	Free Area	A	B	C	D	E
10"	.19 ft ²	9 ²¹ / ₃₂ "	12 ¹¹ / ₁₆ "	1"	2 ³¹ / ₃₂ "	1 ³ / ₃₂ "
12"	.27 ft ²	11 ¹⁹ / ₃₂ "	14 ²¹ / ₃₂ "	1"	2 ³¹ / ₃₂ "	1 ³ / ₃₂ "
14"	.37 ft ²	13 ¹⁹ / ₃₂ "	16 ⁵ / ₈ "	1"	3 ¹¹ / ₃₂ "	1 ⁹ / ₃₂ "
16"	.49 ft ²	15 ⁹ / ₁₆ "	18 ¹⁹ / ₃₂ "	1"	3 ¹¹ / ₃₂ "	1 ⁹ / ₃₂ "



OUTSIDE AIR LOUVER

4900 Series

Round Aluminum Vent Louver

Model	Description
4901	Stamped Louver 3" to 8" Diameter
4902	Fixed Bar 10" to 16" Diameter

FEATURES

- Lightweight aluminum
- Suitable for wet and corrosive environments
- Mounting springs secure cover to duct
- Easily sealed using only high-grade silicone caulk (RectorSeal Silicone Sealant)

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Anodized Finish



Model 4901



Model 4902



FIRE RATED

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Fire Rated

Shoemaker offers a comprehensive line of UL and California State Fire Marshal listed products for fire and smoke control in commercial and industrial HVAC systems. The product line includes T-Bars, curtain-type fire dampers, ceiling radiation dampers, access doors, and combination fire-smoke dampers.



FIRE RATED T-BARS

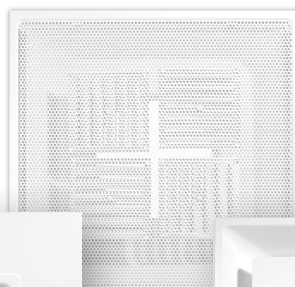
Fire Rated T-bar Assemblies

Series	Description	See Page
104-FR	UL Fire Resistance Classified Stamped Curved Blade T-Bar	24
104P-FR	UL Fire Resistance Classified Perforated T-Bar with Stamped Diffuser	48
700DVD-FR	UL Fire Resistance Classified T-Bar Directional Volume Diffuser	26
700MA-FR	UL Fire Resistance Classified T-Bar Modular Core Diffuser	16
780-FR	UL Fire Resistance Classified Perforated T-Bar with Adjustable Pattern Controllers	46
825CB-FR	UL Fire Resistance Classified Perforated T-Bar Adjustable Curved Blade Diffuser	50
825MA-FR	UL Fire Resistance Classified Perforated T-Bar Modular Core Diffuser	50
830-FR	UL Fire Resistance Classified Hinged Face Perforated T-Bar Return	60
HVD-FR	UL Fire Resistance Classified 4-Cone T-Bar Diffuser	34
HVL-FR	UL Fire Resistance Classified 3-Cone T-Bar Diffuser	38
HL-FR	UL Fire Resistance Classified T-Bar Plaque Diffuser	40

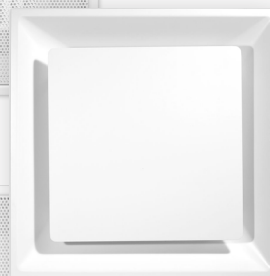
Model 104-FR



Model 780-FR



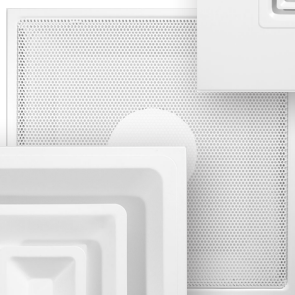
Model HL-FR



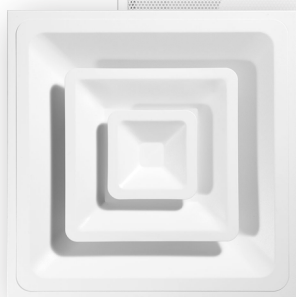
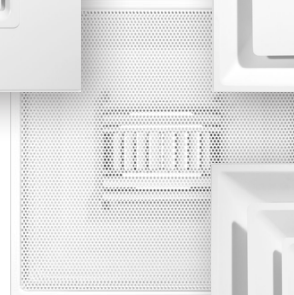
Model 700DVD-FR



Model 830-FR



Model 825CB-FR



Model HVL-FR

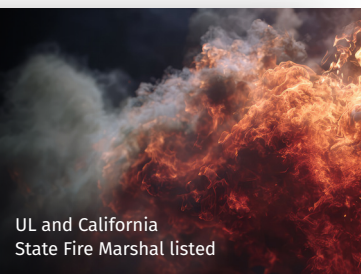
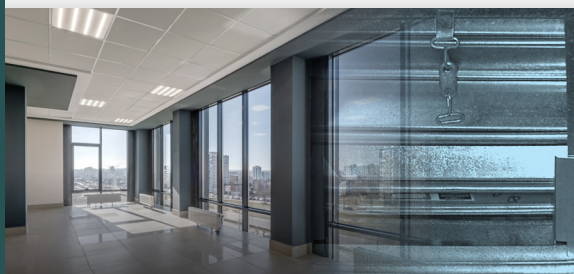


Model HVD-FR



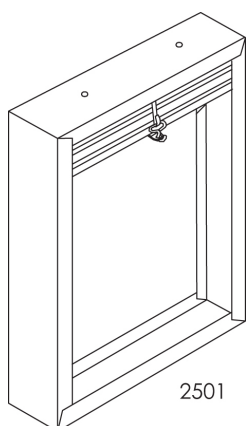
2502 SERIES

Quality. Value. Performance tested.

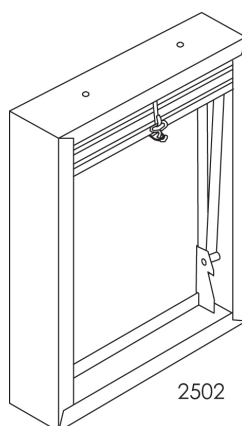


UL and California
State Fire Marshal listed

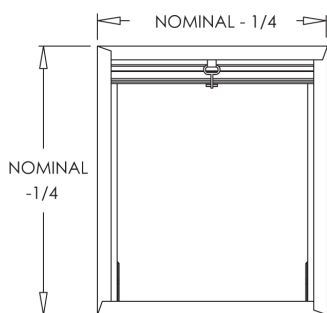
Models 2501 & 2502



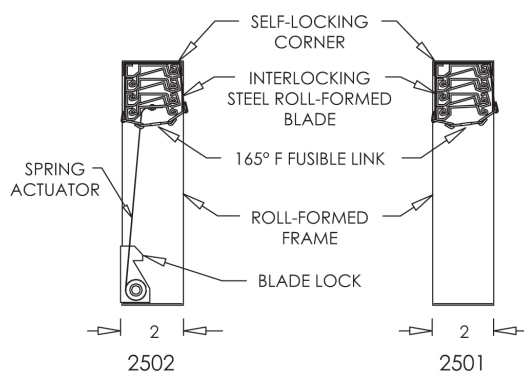
2501



2502



2501 & 2502



2502

2501



FIRE RATED DAMPER

2502 Series

Thin-line Frame 1 ½ Hour Curtain-Type Fire Damper (spring actuated)

Model	Description
2502	Thin-line Frame 1½ Hour Curtain-Type Fire Damper



FEATURES

- Square or rectangular spring actuated curtain-type fire damper for vertical or horizontal mount
- 2" thin-line roll formed frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 1½ hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- Building materials rated 2 hours or less
- CSFM California State Fire Marshall listed
- Interlocking steel roll-formed blades
- Blade lock to secure blades once product is activated
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum one piece size 41" W, 36" H

Application • Horizontal or Vertical mounting

Recommended for • Commercial applications



Options:

- ▶ Vertical mount only, maximum one piece size 48" W, 36" H (2501)
- ▶ Stainless steel
- ▶ 212° fusible link (#52)
- ▶ 2500 Series Sleeve Options
- ▶ Fractional, exact O.D. dimensions



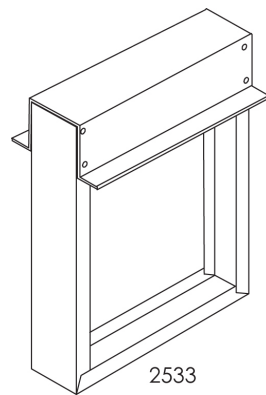
2534 SERIES

Quality. Value. Performance tested.

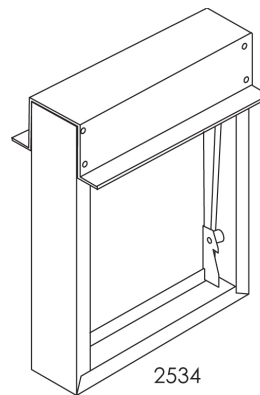


UL and California
State Fire Marshal listed

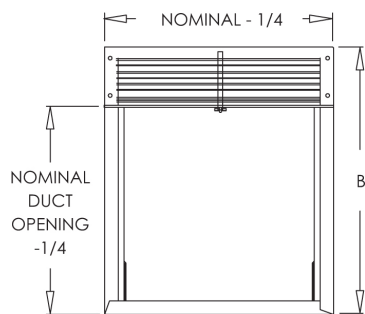
Models 2533 & 2534



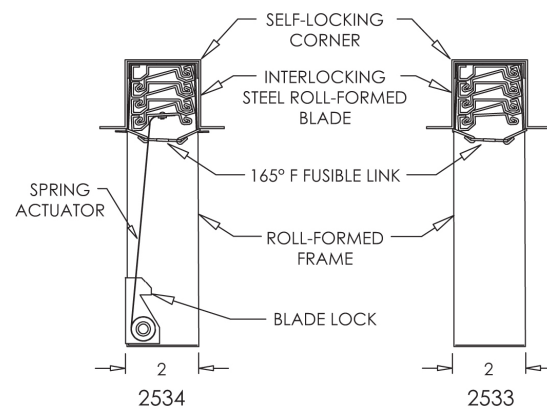
2533



2534



2533 & 2534



2534

2533



FIRE RATED DAMPER

2534 Series

Thinline Frame 1½ Hour Fire Damper Out-of-Airstream (spring actuated)

Model	Description
2534	Thin-line Frame 1 ½ Hour Curtain-Type Fire Damper



FEATURES

- Square or rectangular spring actuated curtain-type fire damper for vertical or horizontal mount
- 2" thin-line roll formed frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 1½ hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- Building materials rated 2 hours or less
- CSFM California State Fire Marshall listed
- Interlocking steel roll-formed blades
- Blade lock to secure blades once product is activated
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum one piece size 41" W, 36" H

Application • Horizontal or Vertical mounting

Recommended for • Commercial applications



Options:

- ▶ Vertical mount only, maximum one piece size 48" W, 36" H (2533)
- ▶ Stainless steel
- ▶ 212° fusible link (#52)
- ▶ 2500 Series Sleeve Options
- ▶ Fractional, exact O.D. dimensions



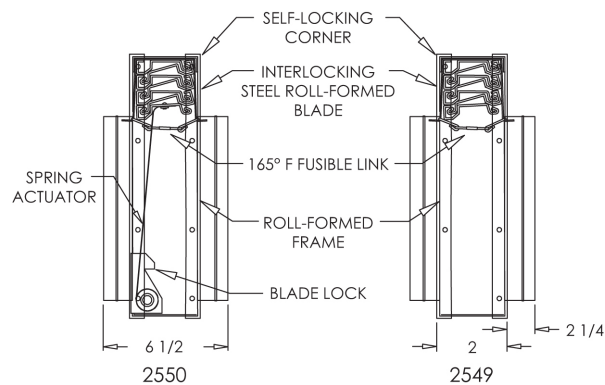
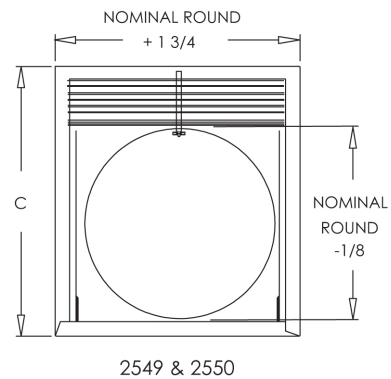
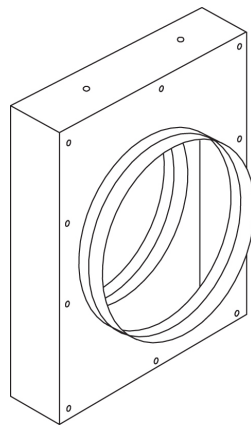
2550 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Models 2549 & 2550





FIRE RATED DAMPER

2550 Series

Round Thin-Line Out-of-Airstream 1½ Hour Rated Fire Damper (spring actuated)

Model	Description
2550	Thin-line Frame 1½ Hour Curtain-Type Fire Damper



FEATURES

- Spring actuated curtain-type fire damper with 2¼" round connection for horizontal or vertical mount
- 2" thin-line roll formed out-of-airstream frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 2 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- Building materials rated 2 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blades
- Blade lock to secure blades once product is activated
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Available in 4" through 29" round

Application • Horizontal or Vertical mounting

Recommended for • Commercial applications



Options:

- ▶ Vertical mount only, available 4" through 40" round (2549)
- ▶ Stainless steel
- ▶ 2500 Series Sleeve Options



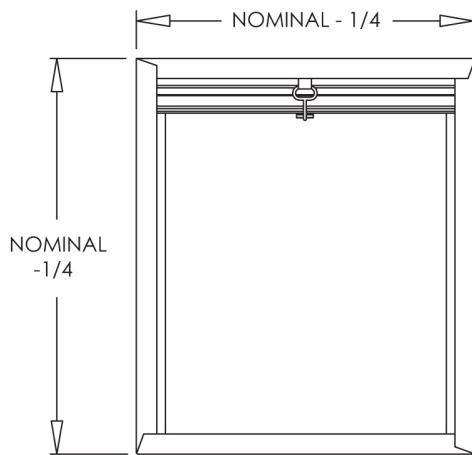
2561 SERIES

Quality. Value. Performance tested.

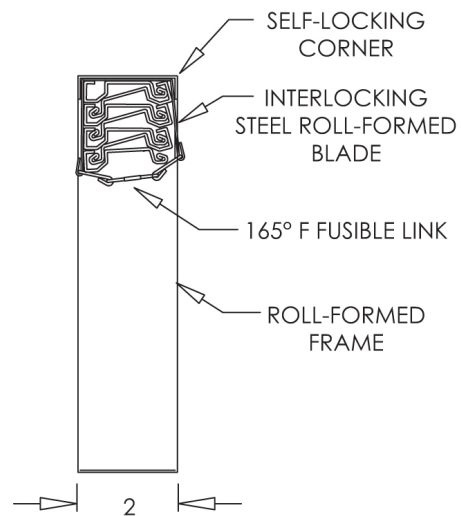


UL and California
State Fire Marshal listed

Model 2561



2561



2561



FIRE RATED DAMPER

2561 Series

Thin-Line 3 Hour Rated Fire Damper

Model	Description
2561	Thin-line Frame 3 Hour Curtain-Type Fire Damper

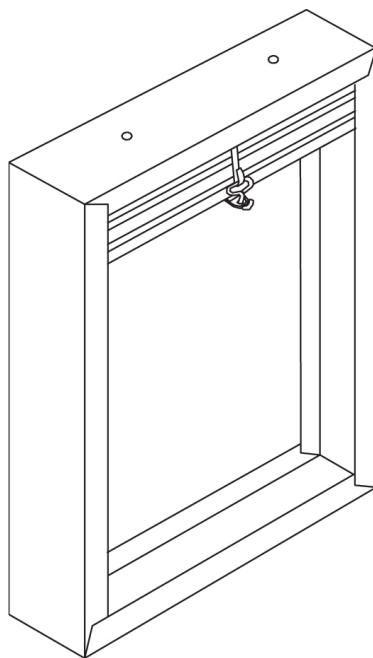
Application • Horizontal or vertical mounting

Recommended for • Commercial applications



FEATURES

- Square or rectangular curtain-type fire damper for vertical mount
- 2" thin-line roll formed frame
- Designed for use in walls and partitions with fire resistance ratings of 3 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 3 hour fire resistance rating
- Building materials rated 4 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blades
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum size 48" W, 49" H



Options:

- ▶ *Stainless steel*
- ▶ *2500 Series Sleeve Options*
- ▶ *Fractional, exact O.D. dimensions*



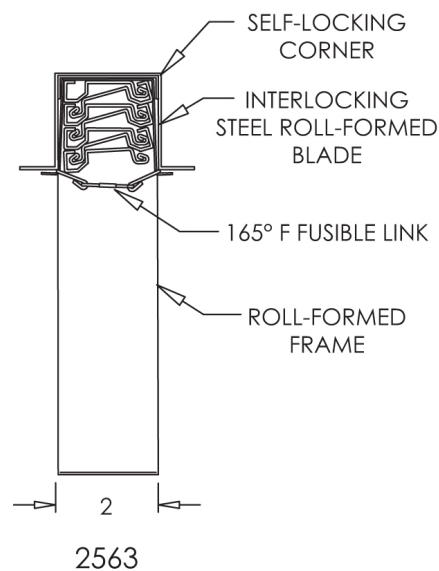
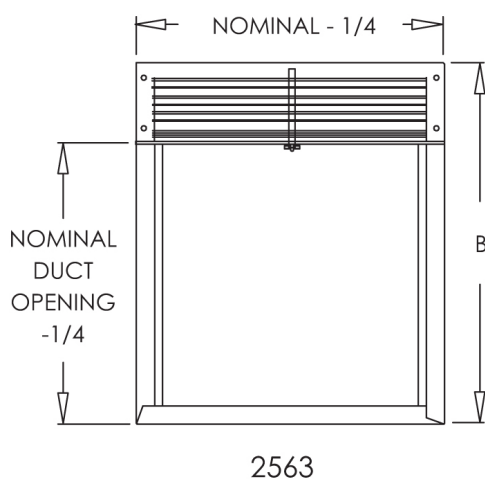
2563 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 2563





FIRE RATED DAMPER

2563 Series

Thin-Line 3 Hour Rated Fire Damper

Model	Description
2563	Thin-line Out-of-Airstream 3 Hour Rated Fire Damper

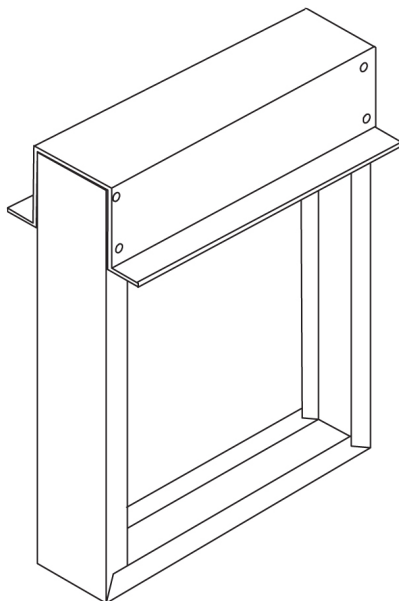
Application • Horizontal or vertical mounting

Recommended for • Commercial applications



FEATURES

- Square or rectangular curtain-type fire damper for vertical mount
- 2" thin-line roll formed frame
- Designed for use in walls and partitions with fire resistance ratings of 3 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 3 hour fire resistance rating
- Building materials rated 4 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blades
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum size 48" W, 49" H



Options:

- ▶ *Stainless steel*
- ▶ *2500 Series Sleeve Options*
- ▶ *Fractional, exact O.D. dimensions*



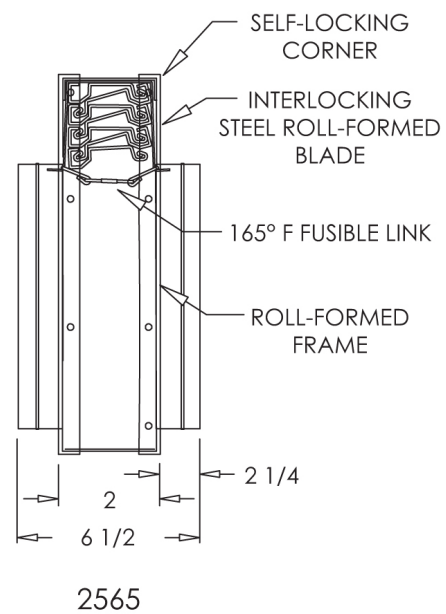
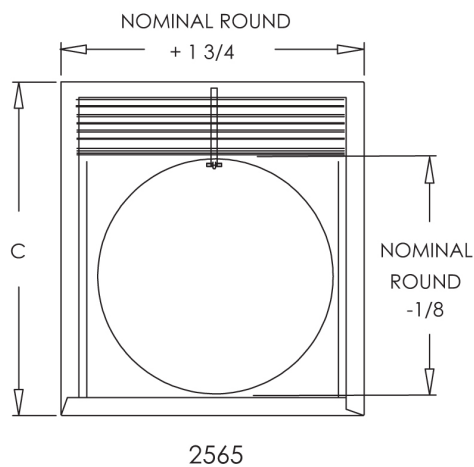
2565 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 2565





FIRE RATED DAMPER

2565 Series

Round Thin-line Out-of-Airstream 3 Hour Rated Fire Damper

Model	Description
2565	Round Thin-line Out-of-Airstream 3 Hour Rated Fire

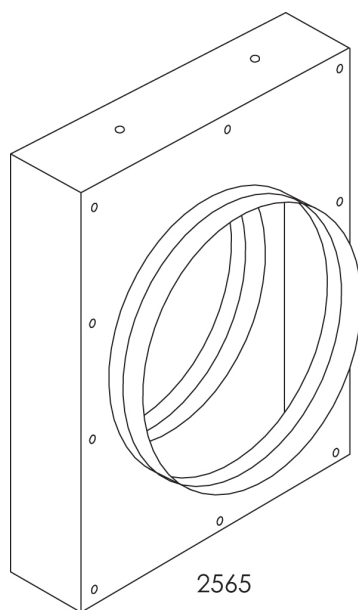
Application • Horizontal or vertical mounting

Recommended for • Commercial applications



FEATURES

- Curtain-type fire damper with round connection for vertical mount
- 2" thin-line roll formed out-of-airstream frame
- Designed for use in walls and partitions with fire resistance ratings of 3 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 3 hour fire resistance rating
- Building materials rated 4 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blades
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Available in 4" through 28" round



Options:

- ▶ *Stainless steel*
- ▶ *2500 Series Sleeve Options*



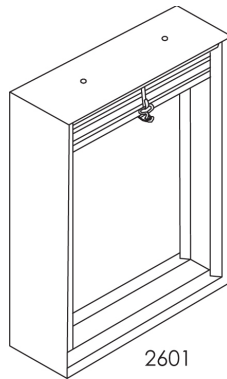
2602 SERIES

Quality. Value. Performance tested.

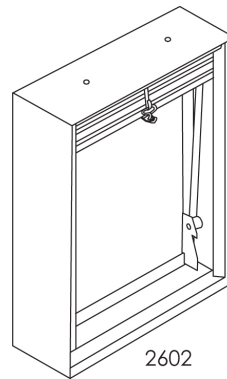


UL and California
State Fire Marshal listed

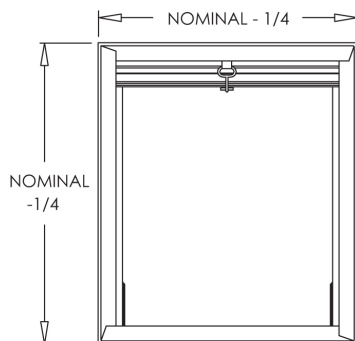
Models 2601 & 2602



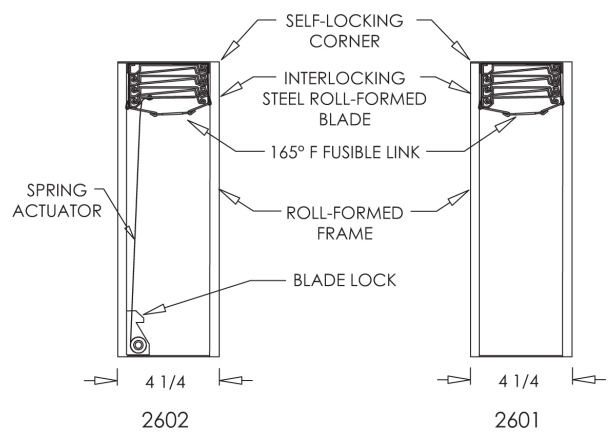
2601



2602



2601 & 2602



2602

2601



FIRE RATED DAMPER

2602 Series

Standard Frame 1½ Hour Curtain-type Fire Damper (spring actuated)

Model	Description
2602	1½ Hour Curtain-Type Fire Damper Spring Actuated

Application • Horizontal or vertical mount

Recommended for • Commercial applications



FEATURES

- Square or rectangular spring actuated curtain-type fire damper for horizontal or vertical mount
- 4¼" standard roll formed frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 2 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- Building materials rated 2 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blades
- Blade lock to secure blades once product is activated
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum size 60"x 60"



Options:

- ▶ Vertical mount only without spring actuator and blade lock, maximum size single section 60"x60" or multiple sections 120"x120" (2601)
- ▶ Stainless steel
- ▶ 2600 Series Sleeve Options
- ▶ Fractional, exact O.D. dimensions



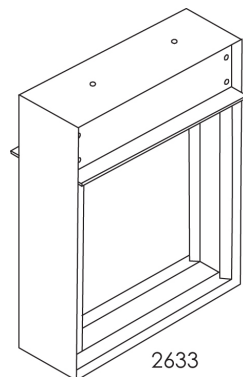
2634 SERIES

Quality. Value. Performance tested.

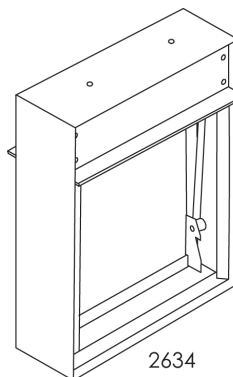


UL and California
State Fire Marshal listed

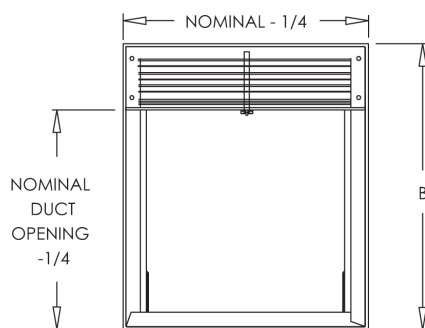
Models 2633 & 2634



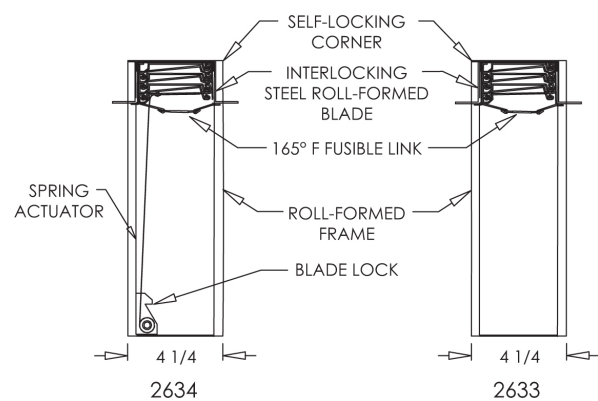
2633



2634



2633 & 2634





FIRE RATED DAMPER

2634 Series

Standard Frame 1½ Hour Curtain-type Fire Damper Out-of-Airstream (spring actuated)

Model	Description
2634	1½ Hour Curtain-Type Fire Damper Spring Actuated Out-of-Airstream



FEATURES

- Square or rectangular spring actuated curtain-type fire damper for horizontal or vertical mount
- 4¼" standard roll formed out-of-airstream frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 2 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- Building materials rated 2 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blade
- Blade lock to secure blades once product is activated
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum dimensions 60" W, 52" H

Application • Horizontal or vertical mount

Recommended for • Commercial applications



Options:

- ▶ Vertical mount only without spring actuator and blade lock (2633)
- ▶ Stainless steel
- ▶ Sleeves
- ▶ Fractional, exact O.D. dimensions
- ▶ 212° fusible link (#52)
- ▶ ETL link (#56)



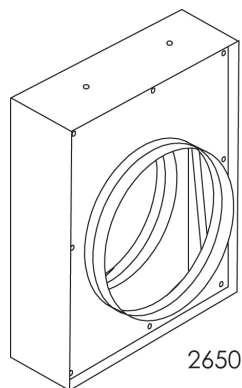
2650 SERIES

Quality. Value. Performance tested.

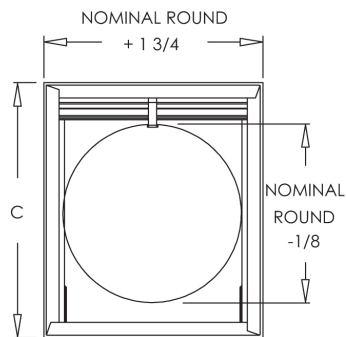


UL and California
State Fire Marshal listed

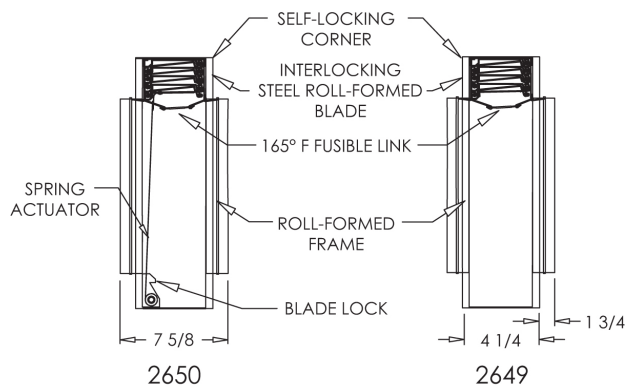
Models 2649 & 2650



2650



2649 & 2650



2650

2649



FIRE RATED DAMPER

2650 Series

Standard Frame 1½ Hour Rated Round Curtain-type Fire Damper (spring actuated)

Model	Description
2650	1½ Hour Round Curtain-Type Fire Damper Spring Actuated Out-of-Airstream

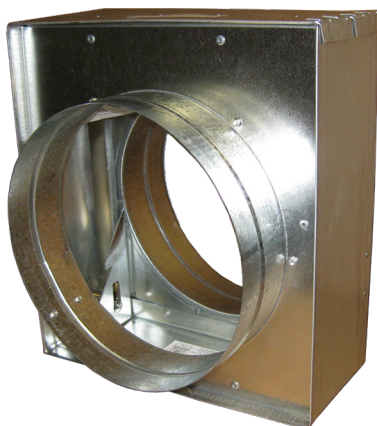


FEATURES

- Spring actuated curtain-type fire damper with 2¼" round connection for horizontal or vertical mount
- 4¼" standard roll formed out-of-airstream frame (G-90 22ga)
- Designed for use in walls, floors and partitions with fire resistance ratings of 2 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- Building materials rated 2 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blades
- Blade lock to secure blades once product is activated
- Damper manufactured from corrosion tested galvanized mild steel (G-90 22ga)
- 165° replaceable fusible link (#50)
- Available in 4" through 52" round

Application • Horizontal or vertical mount

Recommended for • Commercial applications



Options:

- ▶ Vertical mount only without spring actuator and blade lock (2649)
- ▶ Stainless steel
- ▶ Sleeves
- ▶ 212° fusible link (#52)
- ▶ ETL link (#56)



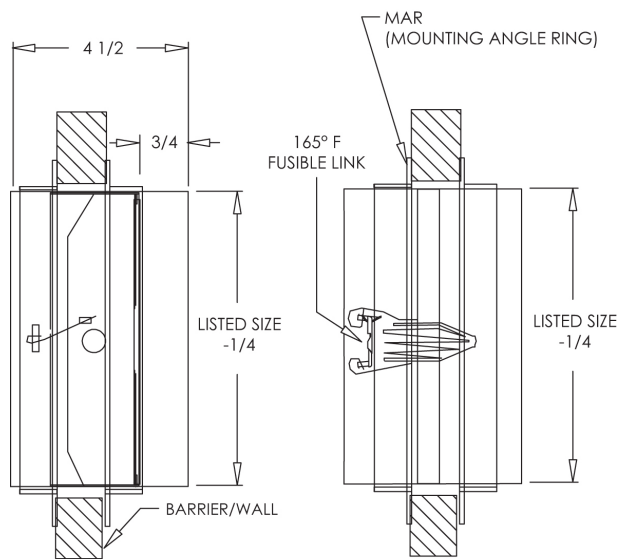
2652 SERIES

Quality. Value. Performance tested.

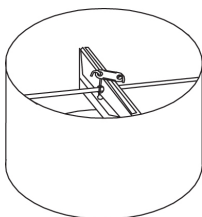


UL and California
State Fire Marshal listed

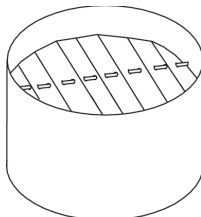
Model 2652



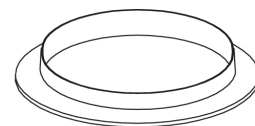
2652



2652
OPEN POSITION



2652
CLOSED POSITION



MAR
MOUNTING ANGLE RING



FIRE RATED DAMPER

2652 Series

True Round 1½ Hour Rated Fire Damper

Model	Description
2652	True Round 1½ Hour Rated Fire Damper



FEATURES

- True round fire damper
- Round steel frame
- Stainless steel curtain
- Horizontal or vertical installation
- Designed for use in walls, floors and partitions with fire resistance ratings of 3 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 1½ hour fire resistance rating
- CSFM California State Fire Marshal listed
- Damper construction meets NFPA 90A requirement
- 165° replaceable fusible link (#50)
- Available in 4" through 12" round

Application • Horizontal or vertical mount

Recommended for • Commercial applications



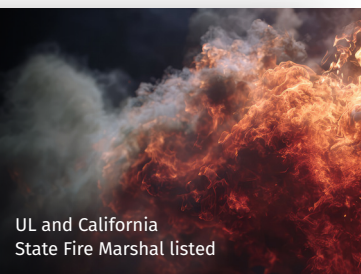
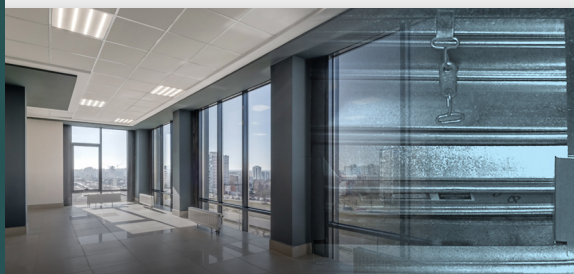
Options:

- ▶ Mounting Angle Ring
- ▶ 212° fusible link



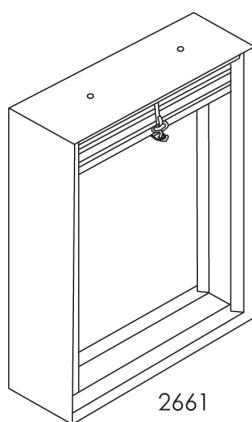
2661 SERIES

Quality. Value. Performance tested.

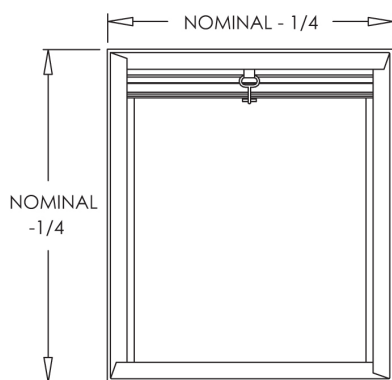


UL and California
State Fire Marshal listed

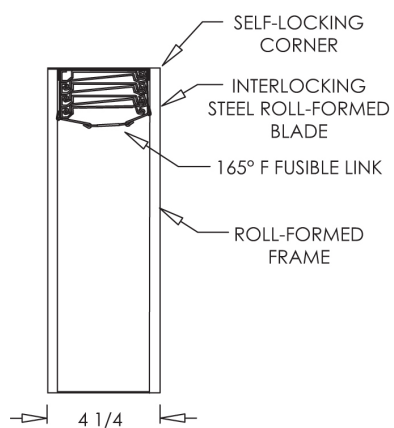
Model 2661



2661



2661



2661



FIRE RATED DAMPER

2661 Series

Standard Frame 3 Hour Rated Curtain-type Fire Damper

Model	Description
2661	3 Hour Rated Curtain-type Fire Damper



FEATURES

- Square or rectangular curtain-type fire damper for vertical mount
- 4 1/4" standard roll formed frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 3 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- 3 hour fire resistance rating
- Building materials rated 4 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blade
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum size 60" W, 60" H

Application • Vertical mount

Recommended for • Commercial applications



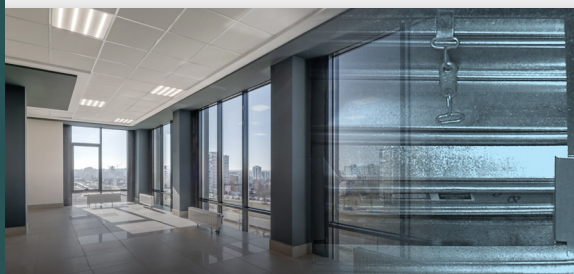
Options:

- ▶ *Stainless steel*
- ▶ *2600 Series Sleeve Options*
- ▶ *Fractional, exact O.D. dimensions*



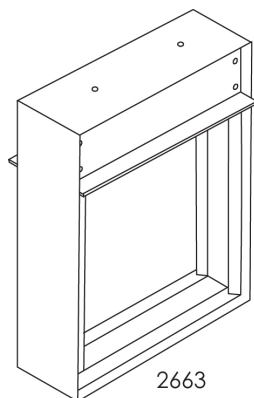
2663 SERIES

Quality. Value. Performance tested.

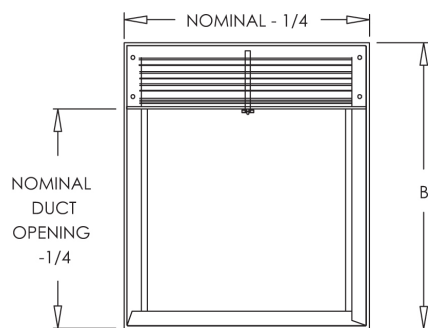


UL and California
State Fire Marshal listed

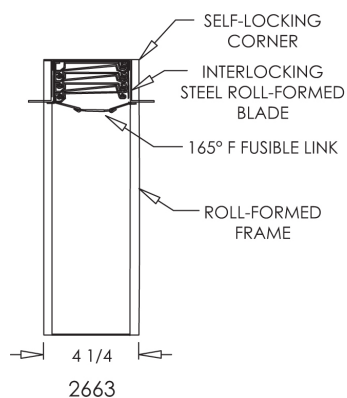
Model 2663



2663



2663





FIRE RATED DAMPER

2663 Series

Standard Frame 3 Hour Rated Curtain-type Fire Damper Out-of-Airstream

Model	Description
2663	3 Hour Rated Curtain-type Fire Damper Out-of-Airstream



FEATURES

- Square or rectangular curtain-type fire damper for vertical mount
- 4 1/4" standard roll formed out-of-airstream frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 3 hours or less
- UL listed and tested in accordance with UL Standard 555
- 3 hour fire resistance rating
- Building materials rated 4 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blade
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Maximum size 60" W, 52" H

Application • Vertical mount

Recommended for • Commercial applications



Options:

- ▶ *Stainless steel*
- ▶ *2600 Series Sleeve Options*
- ▶ *Fractional, exact O.D. dimensions*



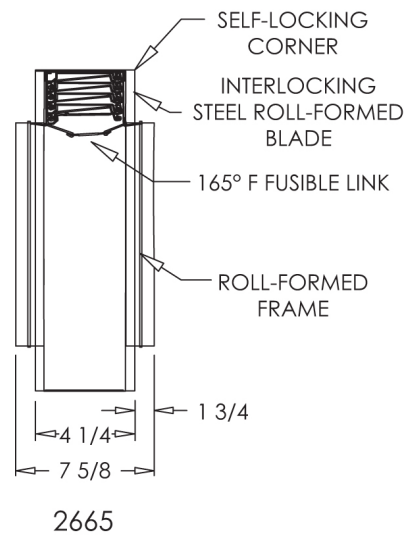
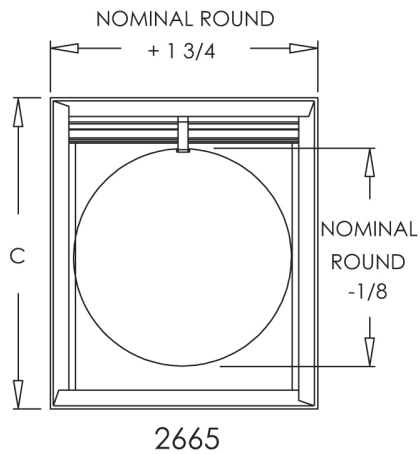
2665 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 2665





FIRE RATED DAMPER

2665 Series

Standard Frame 3 Hour Rated Curtain-type Round Fire Damper

Model	Description
2665	3 Hour Rated Curtain-type Round Fire Damper



FEATURES

- Round curtain-type fire damper for vertical mount
- 4 1/4" standard roll formed out-of-airstream frame
- Designed for use in walls, floors and partitions with fire resistance ratings of 3 hours or less
- UL listed and tested in accordance with UL Standard 555
- 3 hour fire resistance rating
- Building materials rated 4 hours or less
- CSFM California State Fire Marshal listed
- Interlocking steel roll-formed blade
- Damper manufactured from corrosion tested galvanized mild steel (G-90)
- 165° replaceable fusible link (#50)
- Available in 4" through 52" round

Application • Vertical mount

Recommended for • Commercial applications



Options:

- ▶ Stainless steel
- ▶ 2600 Series Sleeve Options



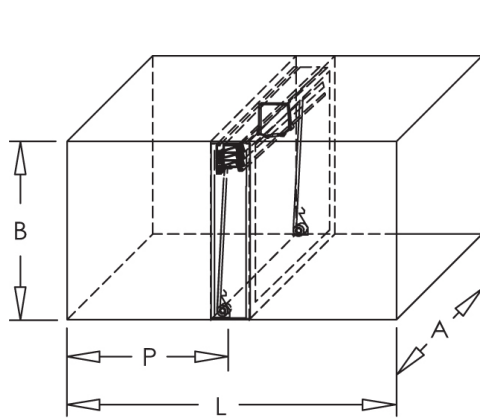
FIRE DAMPER SLEEVES

Quality. Value. Performance tested.

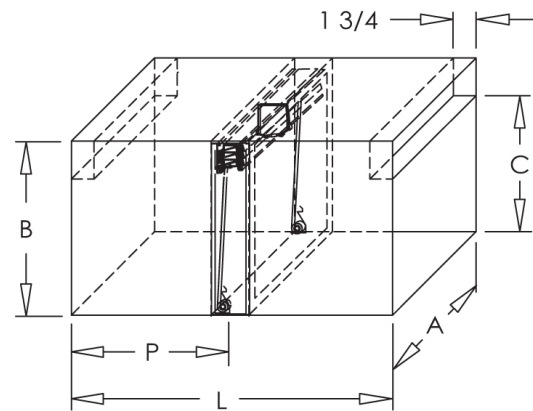


UL and California
State Fire Marshal listed

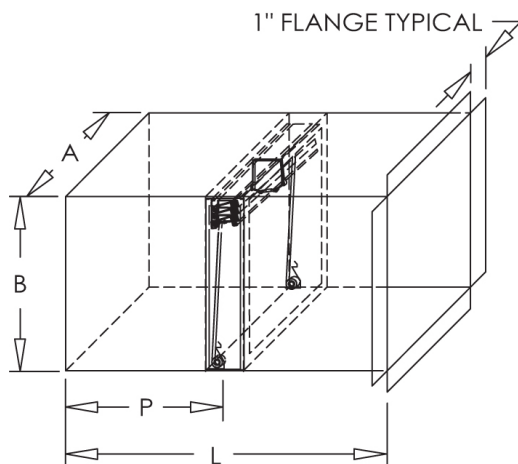
Fire Damper Sleeves



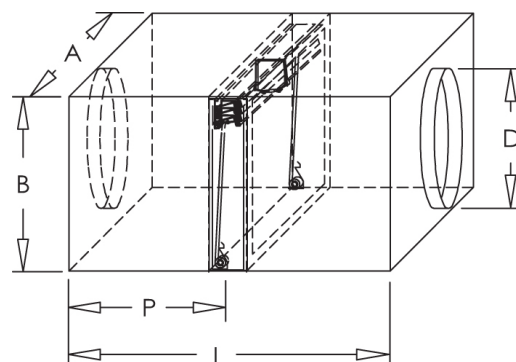
SLEEVE TYPE A



SLEEVE TYPE B



SLEEVE TYPE C



SLEEVE TYPE D

Note: Please submit drawings with required dimensions A, B, C, D, L and P specified prior to ordering.



FIRE RATED SLEEVES

Fire Damper Sleeves

Sleeves for Fire Dampers: 2500 & 2600

Model	Description
Type A	Square or rectangular
Type B	Out-of-Airstream
Type C	Square or rectangular with flange
Type D	Square or rectangular with round collar*

FEATURES

- **Sleeve Type A:** Square or rectangular
- Standard sleeve length 18"
- 20 gauge galvanized steel
- Mill finish
- **Type B:** - Out-of-Airstream
- **Type C:** Square or rectangular with flange
- **Type D:** Square or rectangular with round collar (Note: round collar must be 2" smaller than square sleeve dimension i.e. 10"x10"-8")

Note: round collar must be 2" smaller than square sleeve dimension i.e. 10"x10"-8")

Application • Horizontal or vertical mount

Recommended for • Commercial applications

Standard Finish • Mill Finish

Options:

- ▶ Gauges: 14 through 22 ga.
- ▶ Access door installed
- ▶ Retaining angles for smoke fire dampers
- ▶ Available in sleeve lengths 6" through 20"
- ▶ Fractional, exact O.D. dimensions





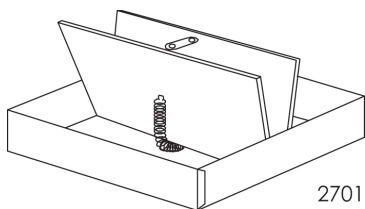
2701 SERIES

Quality. Value. Performance tested.

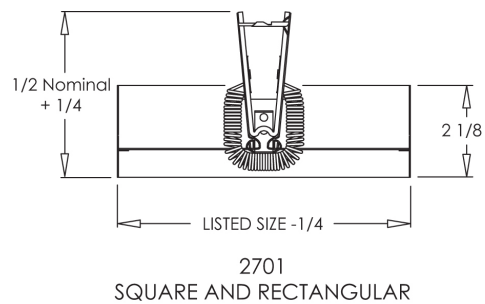


UL and California
State Fire Marshal listed

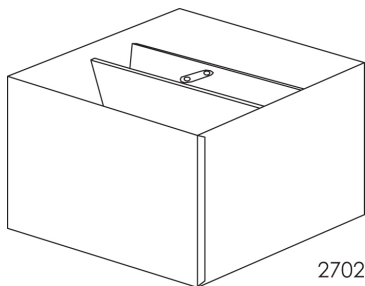
Models 2701



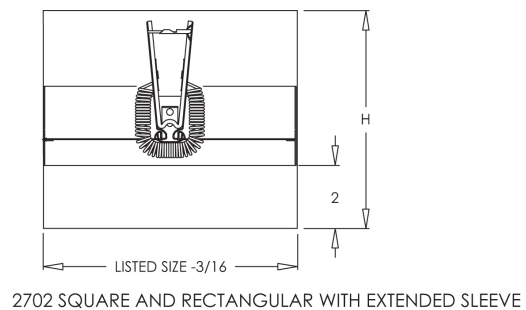
2701



Models 2702



2702





FIRE RATED DAMPER

2701 Series

3 Hour Rated Ceiling Radiation Butterfly Damper

Model	Description
2701	3 Hour Rated Ceiling Radiation Butterfly Damper



FEATURES

- Square or rectangular ceiling radiation butterfly damper
- Designed for protection of ceiling openings in fire rated floor/ceiling assemblies with fire resistance ratings of 3 hours or less
- UL listed and tested in accordance with UL Standard 555C
- 3 hour fire resistance rating
- Building materials rated 3 hours or less
- CSFM California State Fire Marshal listed
- Zinc plated steel closure spring
- All steel parts with galvanized finish or zinc coating
- 22 gauge butterfly style galvanized steel blades
- 22 gauge galvanized steel roll formed frame
- Ceramic fiber blade installation with fiberglass cover*
- 165° replaceable fusible link
- Maximum single section size 24"x 24"
- Minimum size is 4"x 4"

***Note:** Ceramic fiber blade insulation is not UL required on dampers with free areas less than 80 square inches. Dampers above 80 square inches free area will be provided with blade insulation. (A 10x10 damper does not have a blanket.)

Application • Ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Options:

- ▶ Extended sleeve (2702)
- ▶ 212° Fusible Link



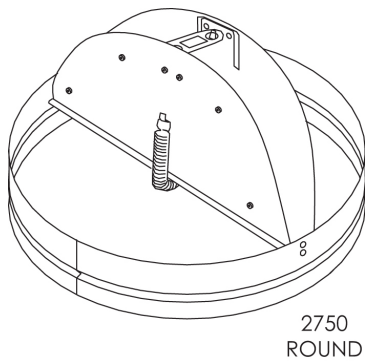
2750 SERIES

Quality. Value. Performance tested.

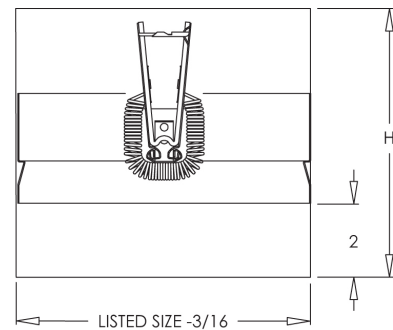


UL and California
State Fire Marshal listed

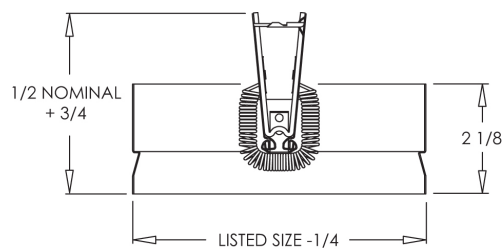
Models 2750 & 2751



2750
ROUND



2751
ROUND WITH EXTENDED SLEEVE



2750
ROUND



FIRE RATED DAMPER

2750 Series

3 Hour Rated Round Ceiling Radiation Butterfly Damper

Model	Description
2750	3 Hour Rated Round Ceiling Radiation Butterfly Damper



FEATURES

- Round ceiling radiation butterfly damper
- Designed for protection of ceiling openings in fire rated floor/ceiling assemblies with fire resistance ratings of 3 hours or less
- UL listed and tested in accordance with UL Standard 555C
- 3 hour fire resistance rating
- Building materials rated 3 hours or less
- CSFM California State Fire Marshal listed
- Zinc plated steel closure spring
- All steel parts with galvanized finish or zinc coating
- 22 gauge butterfly style galvanized steel blades
- 22 gauge galvanized steel roll formed frame
- Ceramic fiber blade insulation with fiberglass cover*
- 165° replaceable fusible link
- Available in 4" through 24" round

***Note:** Ceramic fiber blade insulation is not UL required on dampers with free areas less than 80 square inches. Dampers above 80 square inches free area will be provided with blade insulation.

Application • Ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Options:

- ▶ Extended sleeve (2751)
- ▶ 212° Fusible Link



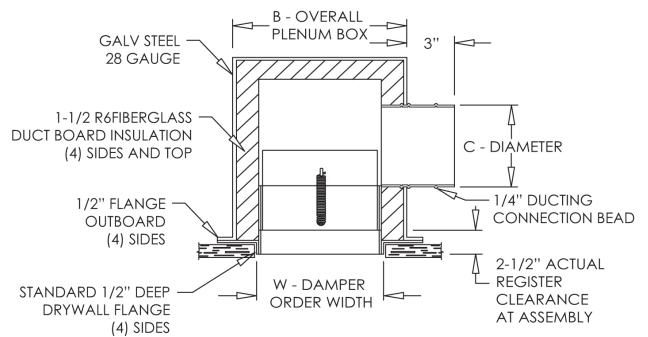
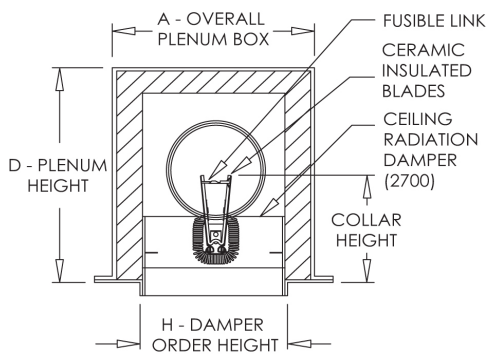
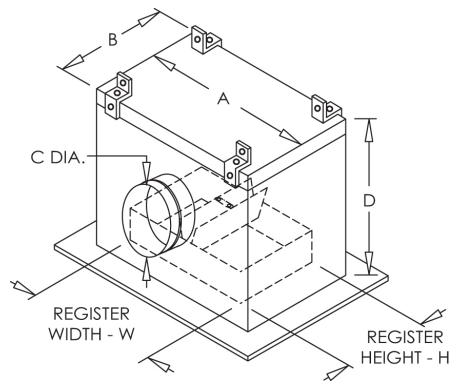
CDR50 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model CDR50 EA-BT-6.0





FIRE RATED DAMPER

CDR50 EA-BT-6.0 Series

Rectangular Ceiling Radiation Damper w/register box assembly

Model	Description
CDR50 EA-BT	1 Hour Ceiling Box Assembly Unit with Rectangular Ceiling Radiation Butterfly Damper



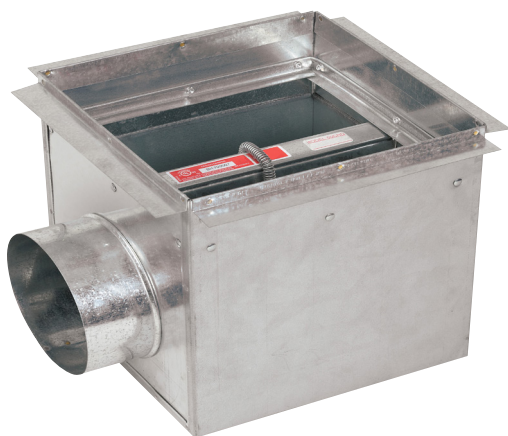
FEATURES

- Factory assembled plenum box with side outlet and square or rectangular ceiling radiation damper
- UL rated for floor/ceiling and roof/ceiling wood truss assemblies L528, L558, L562, L563, L574, L585, P533, P544, P545 and P547 types
- Meets UL263 and NFPA 90A requirements
- CSFM California State Fire Marshal listed

Application • Ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Ceiling Radiation Damper:

- ▶ Roll formed 22 gauge galvanized steel frame
- ▶ 165° fusible link
- ▶ 22 gauge galvanized steel blades with ceramic fiberglass cover*

Plenum Box:

- ▶ Plenum outer box made of 28 gauge galvanized steel
- ▶ Roll formed 26 gauge galvanized steel collar with ¼" bead
- ▶ Fiberglass duct board 1½" thick (R6)
- ▶ Minimum size 4"x 4"x 2" (collar)
- ▶ Maximum size 16"x 16"x 12" (collar)

Options:

- ▶ Extended length drywall flange
- ▶ Stainless steel



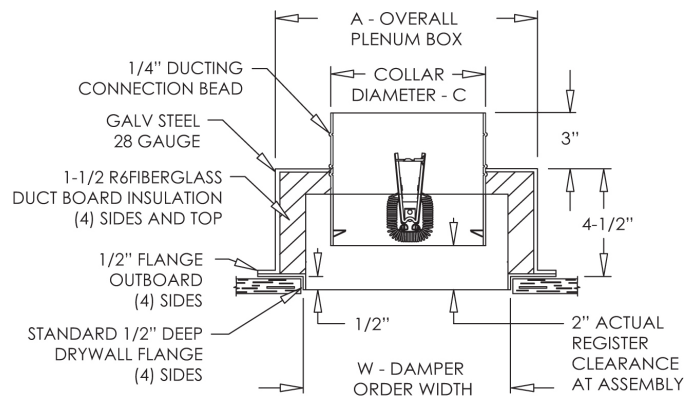
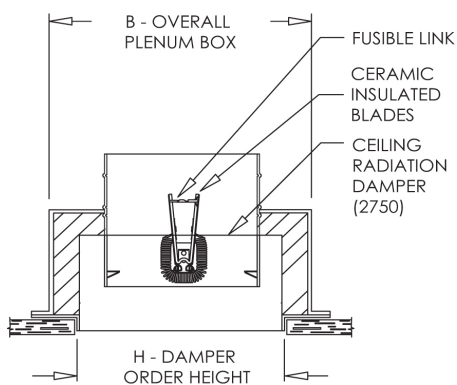
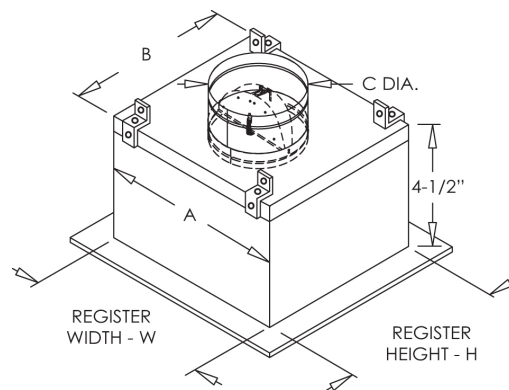
CRD55 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model CRD55 EA-BT-6.0





FIRE RATED DAMPER

CRD55 EA-BT-6.0 Series

1hr Rated Round Ceiling Radiation Damper w/Register Box Assembly

Model	Description
CRD55 EA-BT	1 Hour Rated Round Ceiling Radiation Damper with Register Box Assembly



FEATURES

- Factory assembled plenum box with top outlet and round ceiling radiation damper
- UL rated for floor/ceiling and roof/ceiling assemblies L528, L558, L562, L563, L574, L574, L585, P533, P544, P545, and P547
- Meets UL263 and NFPA 90A requirements
- CSFM California State Fire Marshal listed

Application • Ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Ceiling Radiation Damper:

- ▶ 165° fusible link
- ▶ 22 gauge galvanized steel blades with ceramic fiberglass cover*
- ▶ Roll formed 22 gauge galvanized steel frame

Plenum Box:

- ▶ Plenum outer box made of 26 gauge galvanized steel
- ▶ Roll formed 26 gauge galvanized steel collar with ¼" bead
- ▶ Fiberglass duct board 1½" thick (R6)
 - Minimum size 7"x7"x4" (collar)
 - Maximum size 16"x16"x12" (collar)

*Note: Ceramic fiber blade insulation is not required on dampers with areas less than 80 sq. in. will be constructed with ceramic fiber blade insulation.

Options:

- ▶ Extended length drywall flange
- ▶ Stainless steel



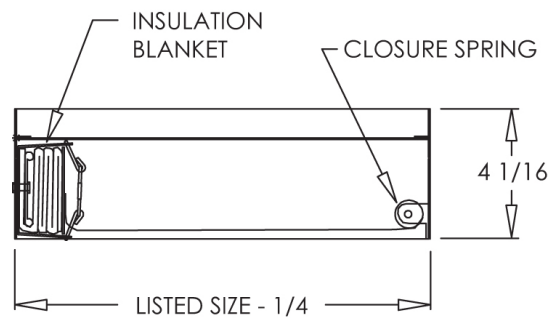
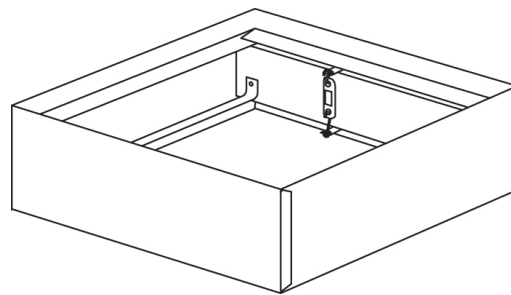
2720 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 2720



2720



FIRE RATED DAMPER

2720 Series

3 Hour Rated Ceiling Radiation Curtain-Type Damper

Model	Description
2720	3 Hour Rated Ceiling Radiation Curtain-Type Fire Damper



FEATURES

- Square or rectangular ceiling radiation curtain-type damper for horizontal mounting
- Designed for protection of ceiling openings in fire rated floor/ceiling assemblies with fire resistance ratings of 3 hours or less
- UL listed and tested in accordance with UL Standard 555C
- 3 hour fire resistance rating
- Building materials rated 3 hours or less
- CSFM California State Fire Marshal listed
- 22 gauge steel blades with insulated blanket
- Steel riveted and metal formed assembly
- Negator stainless steel closure springs mounted on spring pin brackets
- 165° replaceable fusible link
- Minimum size 4"x 4"
- Maximum size 14"x 14"

Application • Ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Options:

- 212° Fusible Link



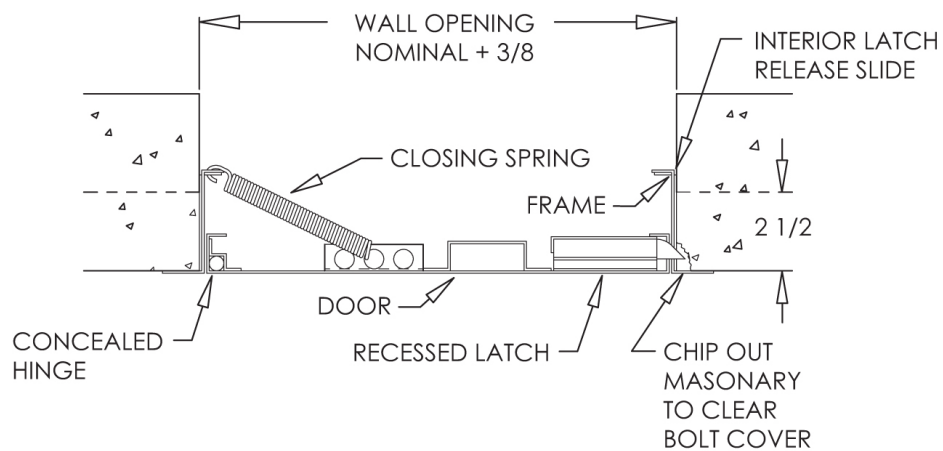
6800 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 6800





FIRE RATED ACCESS DOOR

6800 Series

Fire Rated Wall & Ceiling Access Door

Model	Description
6800	Fire Rated Wall Access Door



FEATURES

- UL listed and tested with fire resistance rating for 1½ hours
- 16 gauge galvanized steel door and frame construction
- Door has heavy duty spring closure for positive latching when panel closes
- Exterior recessed latch is operated using a ring attached to the sliding bolt
- Masonry anchors and bolt holes on frame for installation in various types of wall construction
- Concealed hinge
- Available 8x8 through 36x48
- Prime Coat Finish

Application • Sidewall

Recommended for • Commercial applications

Standard Finish • Prime Coat Finish

Options:

- ▶ *Stainless steel*
- ▶ *Cylinder lock (one per door)*

***Note:** Hour rating depends both on materials used in construction and the mounting application (i.e. ceiling versus wall mount).



Model 6800



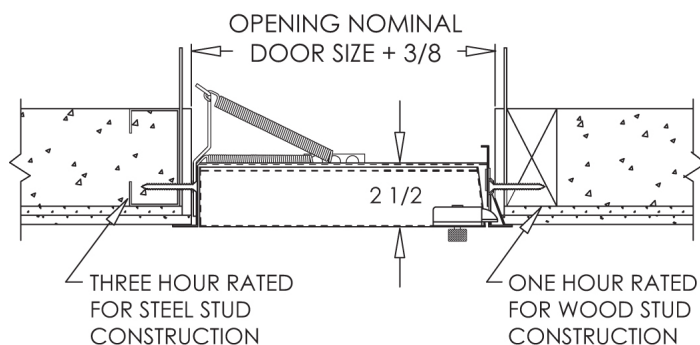
6900 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 6900





FIRE RATED ACCESS DOOR

6900 Series

Fire Rated Wall & Ceiling Access Door

Model	Description
6900	Fire Rated Ceiling Access Door



FEATURES

- UL listed and tested with fire resistance rating for 1½ hours
- 16 gauge galvalume steel door and frame construction
- Door has heavy duty spring closure for positive latching when panel closes
- Exterior recessed latch is operated using a ring attached to the sliding bolt
- Masonry anchors and bolt holes on frame for installation in various types of wall construction
- Concealed hinge
- Available 8 x 8 through 36 x 48
- Prime Coat Finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Prime Coat Finish

Options:

► *Stainless steel*

► *Cylinder lock (one per door)*

***Note:** Hour rating depends both on materials used in construction and the mounting application (i.e. ceiling versus wall mount).



Model 6900



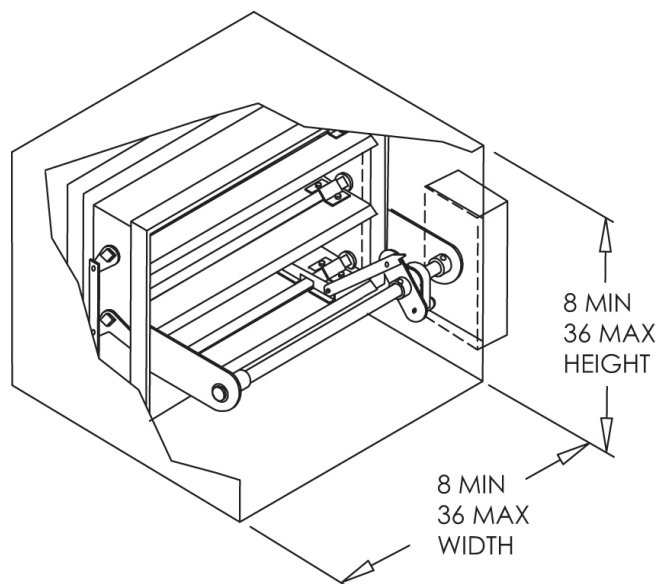
FSD-111-2 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model FSD-111-2





FIRE AND SMOKE DAMPER

FSD-111-2 Series

1½ Hour Fire & Smoke Damper

Model	Description
FSD-111-2	1½ Hour Fire & Smoke Damper



FEATURES

- Class 2 - low leakage
- Sleeve Type A: 20 gauge 18" sleeve
- 120V actuator mounted (position shown in drawing)
- Horizontal (floor) or vertical (wall) installation
- UL and CSFM California State Fire Marshal listed
- Parallel blade operation
- Power open/spring closure
- 16 gauge galvanized steel channel frame
- 16 gauge galvanized triple vee formed blades
- Sintered bronze, oil impregnated bearings
- Axles: 1/2" square zinc plated steel studs
- Linkage: .12 x .50 zinc plated steel concealed in channel frame
- Jackshaft: 1/2" diameter zinc plated steel with jackshaft connector coupling
- Caulking UL approved silicone sealants: Dow Corning RTV-732, 99A, GE-1200
- Blade Seals: 60-65 Durometer Silicone rubber with laminated acrylic adhesive permanently bonded to blade edges
- Jamb Seals: corrosion resistant stainless steel
- R Stat: resettable, reusable thermal disc, fixed setting of 165°
- Minimum size 8"x 8"
- Maximum size 36"x 36"

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



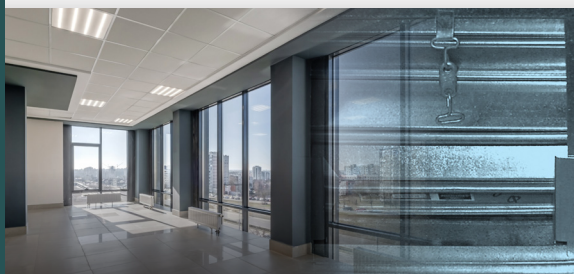
Options:

- ▶ Class 1 Ultra Low Leakage fire & smoke damper
 - Minimum size 12"x8"
 - Maximum size: 24"x24"
- ▶ Class 1 - Ultra Low Leakage smoke only damper
- ▶ Class 2 - Low Leakage smoke damper only
- ▶ Stainless Steel
- ▶ 1½ hour rated motorized 24x actuator fire damper
- ▶ Pneumatic actuator
- ▶ Internal mount actuator
 - Minimum damper size: 8"x 8"
 - Minimum sleeve length: 25"
- ▶ Retaining angles
- ▶ Rapid Mounting Angle
- ▶ Sleeve Options



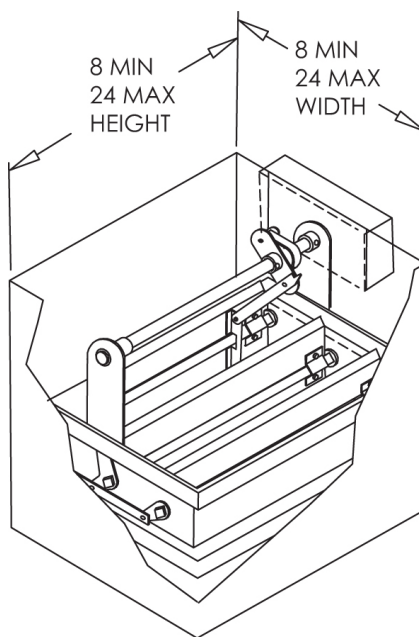
CFSD-222-2 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model CFSD-222-2





CORRIDOR FIRE-SMOKE DAMPER

CFSD-222-2 Series

1 Hour Corridor Fire & Smoke Damper

Model	Description
CFSD-222-2	1 Hour Corridor Fire and Smoke Damper



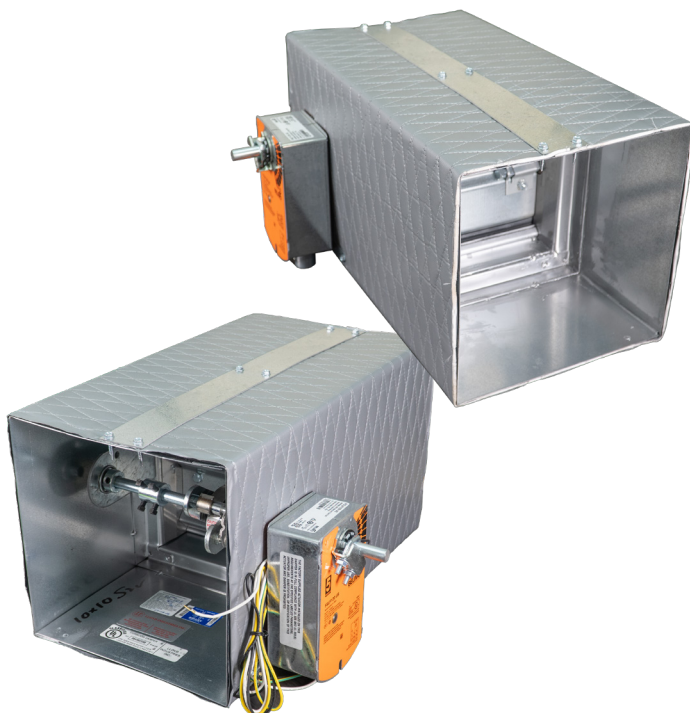
FEATURES

- Class 2 - low leakage
- Sleeve Type A: 20 gauge 18" minimum sleeve length
- 120V actuator mounted (position shown in drawing)
- Horizontal mount for tunnel corridor installation
- UL listed and tested in accordance with UL Standard 555 and UL Standard 555S
- Fire resistance rated 1 hour
- CSFM California State Fire Marshal listed
- Parallel blade operation
- Power open/spring closure
- 16 gauge galvanized steel channel frame
- 16 gauge galvanized triple vee formed blades
- Sintered bronze, oil impregnated bearings
- Axles: 1/2" square zinc plated steel studs
- Linkage: .12 x .50 zinc plated steel concealed in channel frame
- Jackshaft: 1/2" diameter zinc plated steel with jackshaft connector coupling
- Caulking UL approved silicone sealants: Dow Corning RTV-732, 999A, GE-1200
- 165° replaceable fusible link
- Minimum size 8"x 8"
- Maximum size 24"x 24"

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Options:

- ▶ Class 1 - Ultra Low Leakage fire smoke corridor damper
 - Minimum size: 12"x8"
 - Maximum size: 24"x24"
- ▶ Class 1 - Ultra Low Leakage smoke only corridor damper
- ▶ Class 2 - Low Leakage smoke only corridor damper
- ▶ Stainless Steel
- ▶ 24v actuator
- ▶ Pneumatic actuator
- ▶ Internal mount actuator
 - Minimum damper size: 8"x8"
 - Minimum sleeve length: 25"
- ▶ Retaining angles
- ▶ Sleeve Options



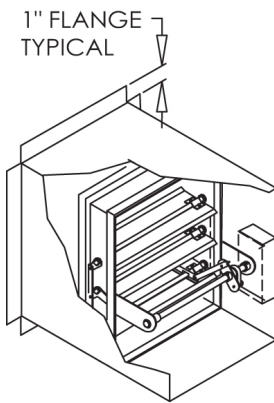
SLEEVES

Quality. Value. Performance tested.

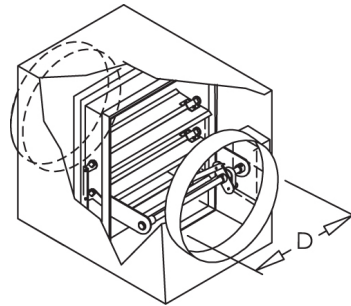


UL and California
State Fire Marshal listed

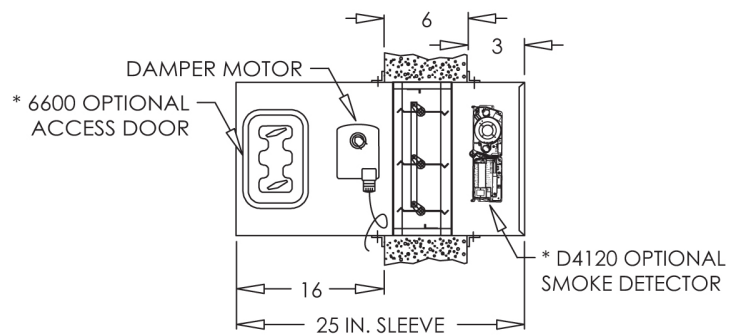
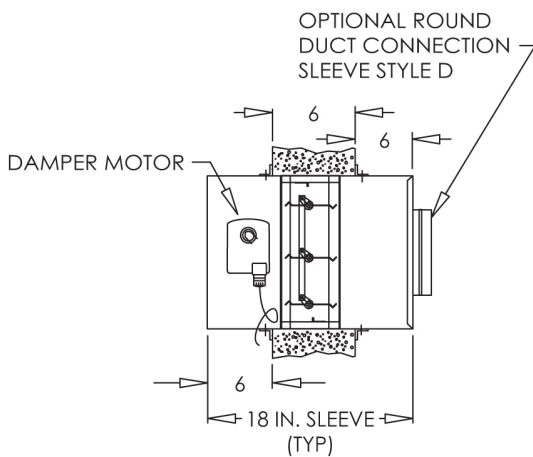
Models Type A, C & D



SLEEVE TYPE C



SLEEVE TYPE D





DAMPER SLEEVES

Sleeves

Fire & Smoke Damper Sleeves

Model	Description
TYPE A	Square or rectangular
TYPE C	Square or rectangular with flange
TYPE D	Square or rectangular with round collar

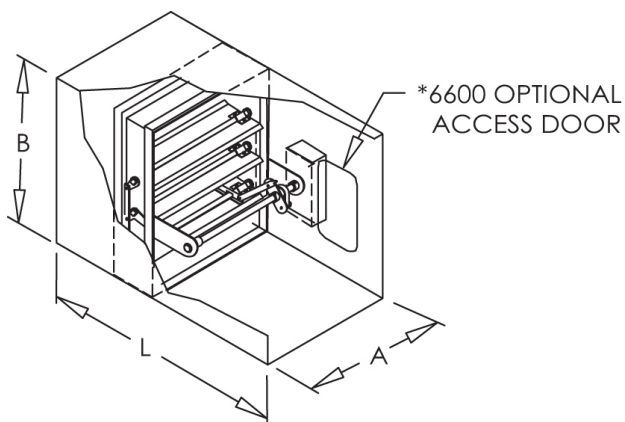
FEATURES

- 20 gauge galvanized steel
- 18" minimum length
- Mill finish

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



SLEEVE TYPE A

Options:

- ▶ Gauges: 14 through 22 ga.
- ▶ Access door installed (6600), minimum 25" sleeve length required (Note: Minimum size damper 10"×10" i.e. FSD-111-2-10"×10")
- ▶ Duct smoke detector (D4120), minimum 25" sleeve length required
- ▶ Retaining angles
- ▶ Fractional, exact O.D. dimensions



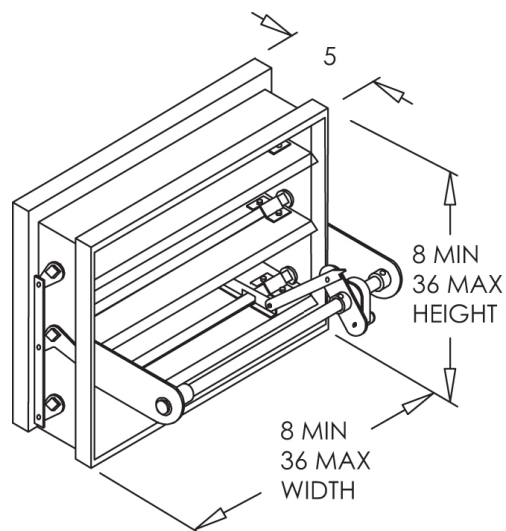
2800 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model 2800





DYNAMIC FIRE DAMPER

2800 Series

1½ Hour Dynamic Fire Damper

Model	Description
2800	1½ Hour Dynamic Fire Damper



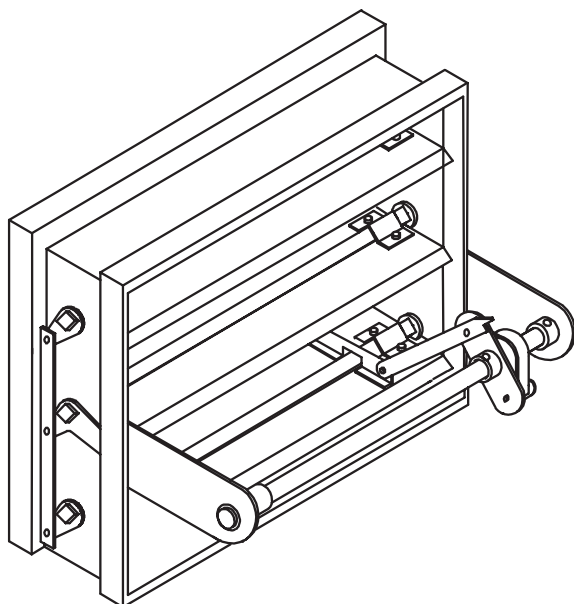
FEATURES

- Horizontal or vertical installation (not for ceiling application, see 2700 Series)
- Designed for use in walls, floors and partitions with fire resistance ratings of 2 hours or less (for ceiling application, see 2700 series)
- UL listed and tested in accordance with UL Standard 555
- Fire resistance rated 1½ hours
- CSFM California State Fire Marshal listed
- Parallel blade operation
- 16 gauge galvanized triple vee formed blades
- 16 gauge galvanized steel channel frame
- Sintered bronze, oil impregnated bearings
- Axles: ½" square zinc plated steel studs
- Linkage: .12 x .50 zinc plated steel concealed in channel frame
- Jackshaft: ½" diameter zinc plated steel with jackshaft connector coupling
- Caulking UL approved silicone sealants: Dow Corning RTV-732, 999A, GE-1200
- 165° replaceable fusible link
- Minimum size 8"x 8"
- Maximum size 36"x 36"

Application • Sidewall, ceiling

Recommended for • Commercial applications

Standard Finish • Galvanized



Options:

- ▶ Stainless steel
- ▶ Sleeves - contact factory



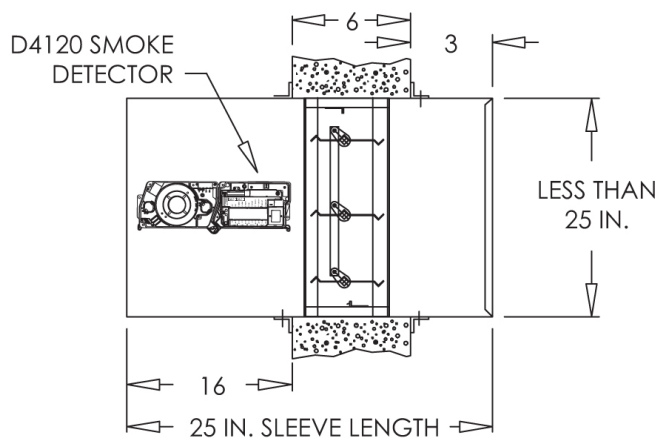
D4120 SERIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

Model D4120



SMOKE DETECTOR MOUNTING ORIENTATION FOR
DAMPERS LESS THAN 25 INCHES IN HEIGHT



FIRE SMOKE DETECTOR

D4120 Series

Innovair Duct Smoke Detector

Model	Description
D4120	Innovair Duct Smoke Detector



FEATURES

- 4-wire low-profile duct smoke detector
- UL, CSFM California State Fire Marshall and FM listed
- Built-in reset button
- Multiple detectors can be interconnected for multi-fan shutdown (up to ten air handlers)
- 24 VAC/DC or 120/240 VAC operation
- Easy mounting to round or rectangular ducts from 1' to 12' wide
- Clear cover for convenient visual inspection

Application • Sidewall, ceiling

Recommended for • Commercial applications



Options:

- ▶ Remote test station with key lock
- ▶ Remote annunciator alarm LED
- ▶ Remote annunciator with Piezo alarm
- ▶ Multi-signaling accessory
- ▶ Multi-signaling accessory with add-on strobe



FIRE RATED ACCESSORIES

Quality. Value. Performance tested.



UL and California
State Fire Marshal listed

U.L. Designated Fusible Links for series 2500 & 2600*



MODEL: #50

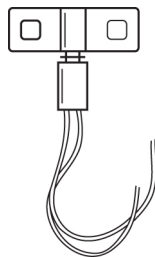
- ▶ 165° fusible link, small

MODEL: #52

- ▶ 212° fusible link, small

* **Note:** These fusible links are not to be used for smoke/fire dampers. See below for smoke/fire damper replacement links.

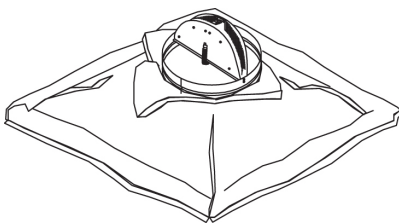
ETL Link



MODEL: #56

- ▶ A multi-purpose, dual responsive fusible link specifically designed to substitute for ordinary links and/or other actuators in existing and new installations of fire dampers and fire doors.

Fire Rated T-Bar Blanket



MODEL: TTb

- ▶ Thermal Blanket – 3 hour rated, 28 × 28, ¼ thickness, #6 density ceramic fiber with woven mesh screen and starter hole



FIRE SMOKE ACCESSORIES

Fusible Links for series FSD, CFSD & 2800



MODEL: #50a

- ▶ 165° fusible link, small

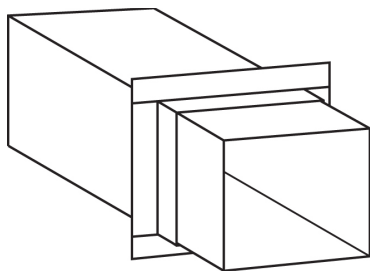
MODEL: #52a

- ▶ For 2800 Dynamic Dampers only:
- ▶ 212° fusible link, small

MODEL: #54a

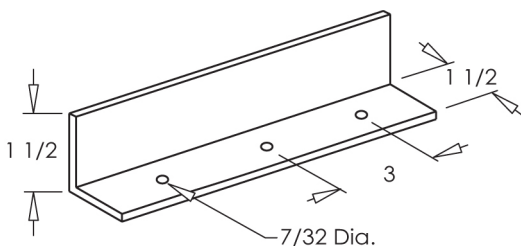
- ▶ 265° fusible link, small

Rapid Mounting Angle for Fire Dampers



- ▶ UL approved for all fire, smoke/fire damper installations in metal studs and concrete/masonry walls and floors
- ▶ Rapid Mounting Angle wraps around the sleeve, completing installation from one side
- ▶ Designed for field mounting

Retaining Angle for Fire Dampers



- ▶ 1½"× 1½" 16 gauge cold formed galvanized angle
- ▶ Pre-punched 7/32 holes for faster fastening of sleeve angle to sleeve
- ▶ Hole spacing is 3" on center
- ▶ 4 piece set



CRITICAL ENVIRONMENT

Quality. Value. Performance tested.

Type 304
stainless steel

Satin
polished finish

Critical Environment

Shoemaker offers a comprehensive line of critical environment products for applications where air motion, volume and filtration are essential to the satisfactory outcome of the procedure or process being performed.



CRITICAL ENVIRONMENT

Critical Environment Products

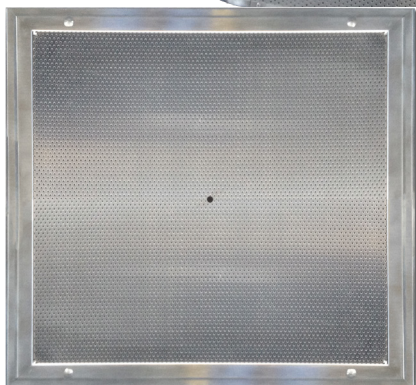
Series	Description
5300	Laminar Flow Diffuser Panel
5350	Medium Medium-Capacity Capacity Laminar Flow Diffuser Panel
5375	High-Capacity Laminar Flow Diffuser Panel
5700	Fan-Powered Laminar Flow Diffuser
5160	Flat Radial Diffuser with 90° Air Flow Pattern
5165	Flat Radial Diffuser with 180° Air Flow Pattern
5180	Hinged Radial Diffuser with 90° Air Flow
5185	Hinged Radial Diffuser with 180° Air Flow
5500	Hemispherical Diffuser
5600	Sterile Room Perimeter Slot Diffuser
HF	HEPA Filter
700-SS	T-Bar Panel Only

For more on critical environment products visit: rectorseal.com

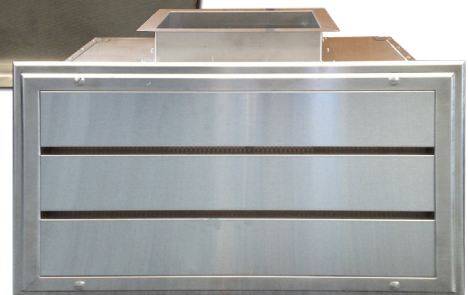
Model 5180



Model 5300



Model 5700

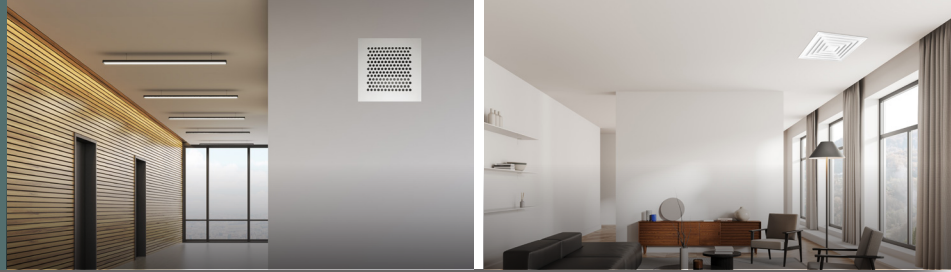


Model 5600



ACCESSORIES

Quality. Value. Performance tested.



SMTB Series

T-Bar to Surface Mount Conversion Frame

Model	Description
SMTB	Surface Mount T-Bar Frame

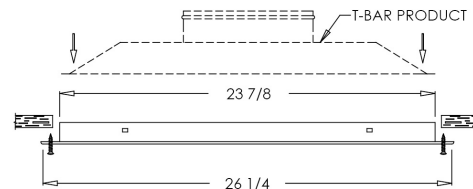
FEATURES

- Converts T-Bar products to surface mount
- Sizes: 1×1, 1×2, 2×2, 2×4, odd and fractional sizes available
- Rust resistant pre-coat with durable powder finish

Application • Surface mount

Recommended for • Commercial applications

Standard Finishes • Soft White • Designer colors optional



SMTB

Options:

SMTB-CM – concealed mounting holes in frame

NLC Series

Round Collar

Model	Description
NLC	Round Collar

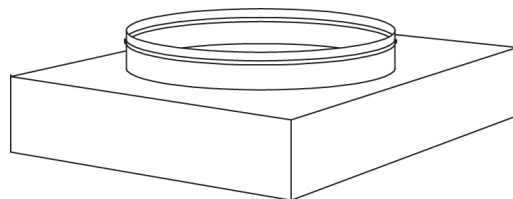
FEATURES

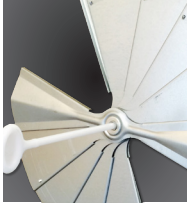
- 2" ADC compliant collar with roll formed retention bead
- Box sizes available in 6"×6" through 24"×24"
- Collar sizes available in 6" through to 24" (must be equal to or smaller than box size)
- Optional Premium 3" round collar w/bead

Application • Grid ceilings

Recommended for • Commercial applications

Standard Finish • Mill finish





T-BAR ACCESSORIES

OBR Series

Opposed Blade Radial Damper

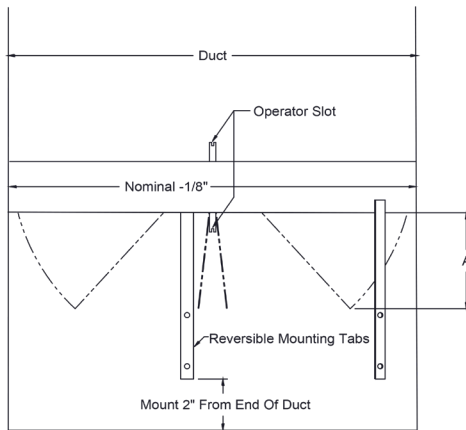
Model Description

OBR Opposed Blade Radial Damper

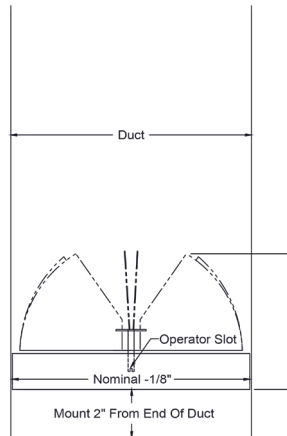
FEATURES

- Gang-operated opposed blade radial volume control damper
- Steel construction
- Available in 6" - 20", 24" (30", 36" special order)
- Galvanized finish
- Duct mounted

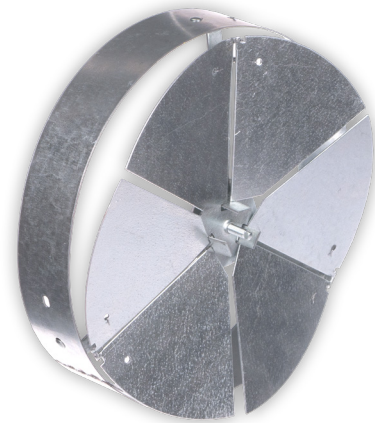
Recommended for • Commercial applications



14" Thru 36"



6" Thru 12"



BD Series

Bowtie Damper

Model Description

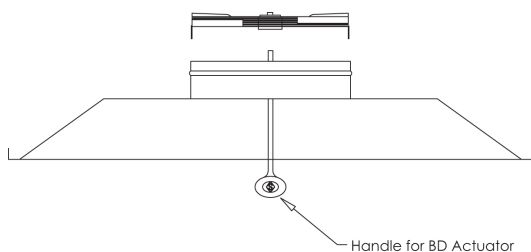
BD Bowtie Damper

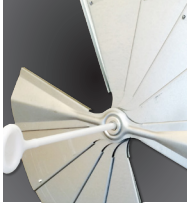
FEATURES

- Field installable bowtie damper
- Available in 6, 8, 10, 12 and 14"
- Mill finish
- BD Handle, plastic adjustment tool

Application • Surface mount and grid ceiling air control

Recommended for • Residential and Commercial applications





T-BAR ACCESSORIES

T-Bar Blankets

Model	Description
TVB	Thermal Vapor Blanket
TTB	Thermal Blanket
FBP	Fiberglass Back Plenum

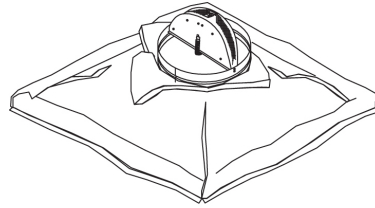
FEATURES

- Formable $\frac{3}{4}$ in. thick 2"×2" foil faced insulation blanket (R4) (MODEL: TVB)
- 28"×28", $\frac{1}{4}$ thickness, #6 density ceramic fiber with woven mesh screen and starter hole (MODEL: TTB)
- Preformed, contour molded fiberglass backing with a foil barrier backing (R6) (MODEL: FBP)

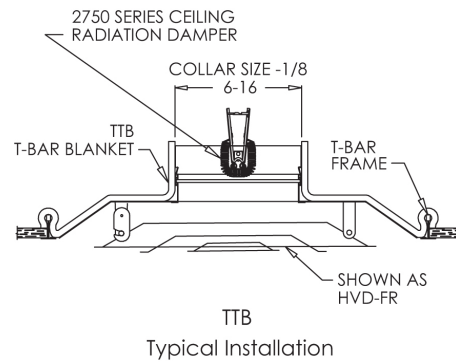
Application • Grid ceiling

Recommended for • Commercial applications

Standard Finish • Soft White



TTB



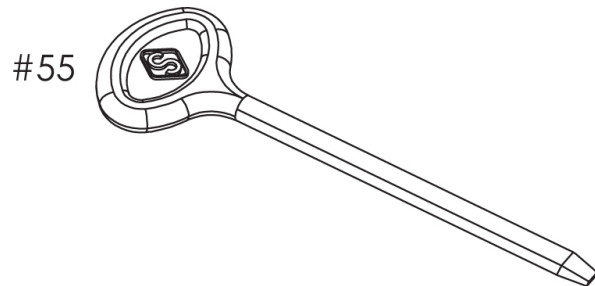
Adjustment Tools

Model	Description
#35	Handle cap for lever operated dampers
#55	BD Handle, plastic adjustment tool

FEATURES

- Field installable

Applicable Product Series • 90, 116, FTD, and BD



#55



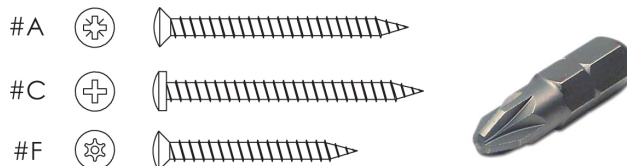
COMMERCIAL ACCESSORIES

Screws and Bits

Model	Description
#A	1 $\frac{7}{8}$ " Philips pozi-driv Oval-head screw
#C	8 x 2" Philips pan-head screw
#F	T-20 Torx Tamper Proof screw
POSI BIT	1" Philips pozi-driv bit
POSI BIT Long	1 $\frac{5}{16}$ " Philips pozi-driv bit
#1	T-20 Torx Tamper Proof bit

FEATURES

- Field installable



Touch-up Paint

Model	Description
39	Pristine White – 6oz. Spray Paint
41	Aluminum paint – 6oz. Spray Paint
42	Bronze – 6oz. Spray Paint
43	Black – 6oz. Spray Paint
44	Coffee Tan – 6oz. Spray Paint
45	Driftwood Tan – 4.5oz. Spray Paint
46	Soft White – 12oz. Spray Paint
47	Warm White – 6oz. Spray Paint
48	Cement Gray – 6oz. Spray Paint
49	Storm Gray – 6oz. Spray Paint

FEATURES

- Field installable



#45

#46

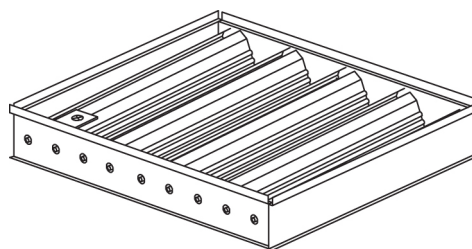
OBD Series

Opposed Blade Damper

Model	Description
OBD	Opposed Blade Damper

FEATURES

- Field installable screwdriver operated Opposed Blade Damper
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Fully adjustable and provides complete shut off in closed position
- Effectively controls airflow without disrupting air patterns
- Available in sizes 4"x4" – 24"x24"
- Fractional and exact sizes available





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