

1900A SERIES: ADJUSTABLE FIRE-RATED Z-BLADE

For 1-3/4" Steel or Composite Fire Doors

PRODUCT DETAILS:

Size: Min Size: 10" x 6" - Max Size: 24" x 24"

Frame Material: 18 Gauge Cold Rolled Steel

Frame Construction: Mitered and welded corners; screws fastened through prepared frame into louver core leaving corridor side of frame free of fasteners.

Blade Material: 16 Gauge Cold Rolled Steel

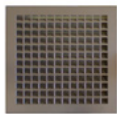
Blade Spacing: 1"

Door Thickness: 1-3/4"

Free Flow Area: 45% Free

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige



1900ASG:

Has an additional 12 Gauge Security Grille welded to louver core with 13/16" square openings 1" on center.

OPERATION:

Adjustable blades pivot on cadmium-plated steel rivets. The blades are operated by a manual adjusting lever. A spring loaded fusible link mechanism is incorporated into the design. Upon melting of the link at 165° F, the action bar is actuated, thereby closing and locking all of the blades.

FIRE RATING:

UL listed and labeled to ANSI/UL 10B and ANSI/UL 10C when properly installed in rated and approved door. Ratings up to 3 hours can be achieved, depending on glazing used and maximum exposed area.

Warnock Hersey listed and labeled upon request to NFPA 252, ANSI/UL 10B (CAN/ULC S104) and ANSI/UL 10C for ratings up to 90 minutes.

ADDITIONAL OPTIONS:

Materials:

18 Gauge Electro Zinc Plated Steel

Bird or Insect Screen: Attached to roll-formed frame on corridor side of door.

1100 SERIES: ADJUSTABLE SINGLE Z-BLADE

For 1-3/8" to 1-3/4" Doors

PRODUCT DETAILS:

Size: Min Size: 8" x 8" - Max Size: 24" x 30"

For multiple section sizes see submittal.

Frame Material: 16 Gauge Cold Rolled Steel

Frame Construction: 1-1/4" trim, with mitered and welded corners and countersunk mounting holes. Louver frame is screwed into door from 2 sides.

Blade Material: 16 Gauge Cold Rolled Steel

Blade Spacing: 1"

Door Thickness: 1-3/8" - 1-3/4"

Mounting Options: 1100 Core, 1100C, 1100A

Free Flow Area: 45%

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

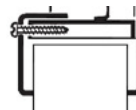
16 Gauge Electro Zinc Plated Steel

18 Gauge 304 Stainless Steel #4 Finish

Bird or Insect Screen: Attached to roll-formed frame on corridor side of door.

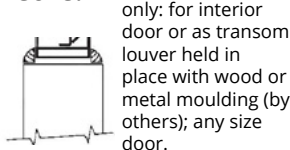
LOUVER MOUNTING OPTIONS FOR 1100 SERIES

A:



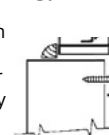
Basic blade unit with flanged frame welded to corridor side and separate flanged frame on room side; frame adjustable to fit doors from 1-3/8" - 1-3/4" thick. 1-1/4" Trim Mitered & Welded Corners.

Core:

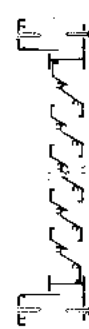
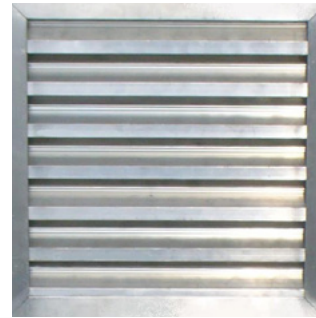
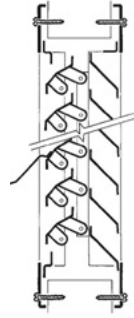


Basic blade unit only; for interior door or as transom louver held in place with wood or metal moulding (by others); any size door.

C:



Basic blade unit with single flanged frame welded to corridor side. Wood or metal moulding (by others) used on opposite side; fits any size door. 1-1/4" Trim Mitered & Welded Corners.



1200A SERIES: ADJUSTABLE TWIN Z-BLADE

For 1-3/4" or Larger Wood or Metal Doors

PRODUCT DETAILS:

Size: Min Size: 10" x 6" - Max Size: 24" x 36"
For multiple section sizes see submittal.

Frame Material: 18 Gauge Cold Rolled Steel

Frame Construction: Mitered and welded corners. Louver frame is screwed into door from 2 sides.

Blade Material: 18 Gauge Cold Rolled Steel

Blade Spacing: 1"

Door Thickness: 1-3/4"

Free Flow Area: 43%

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

18 Gauge Electro Zinc Plated Steel
20 Gauge 304 Stainless Steel #4 Finish

Bird or Insect Screen: Attached to interior of louver.

1400 SERIES: ALUMINUM STORM-PROOF Z-BLADE

For 1-3/8" to 1-3/4" Weather-Proof Doors in Exterior Environments

PRODUCT DETAILS:

Size: Min Size: 8" x 8" - Max Size: 36" x 80"

Frame Material: .063" thick 6063-T5 extruded Aluminum.

Frame Construction: Mitered and welded corners. Louver frame is screwed into door from 2 sides.

Blade Material: .063" thick 6063-T5 extruded Aluminum.

Blade Spacing: 1"

Door Thickness: 1-3/8" - 1-3/4"

Mounting Options: 1400 Core, 1400C, 1400A

Free Flow Area: 35%

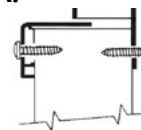
Standard Finish: Mill

ADDITIONAL OPTIONS:

Bird or Insect Screen: Attached to roll-formed frame on non-corridor side of louver.

LOUVER MOUNTING OPTIONS FOR 1400 SERIES

A:



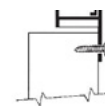
Basic blade unit with flanged frame welded to corridor side and separate flanged frame on room side; frame adjustable to fit doors from 1-3/8" - 1-3/4" thick. 1-1/4" Trim Mitered & Welded Corners.

Core:

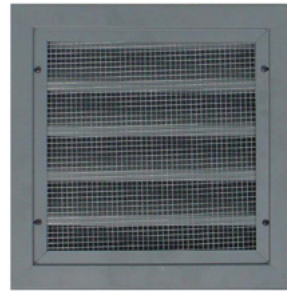


Basic blade unit only: for interior door or as transom louver held in place with wood or metal moulding (by others); any size door.

C:



Basic blade unit with single flanged frame welded to corridor side. Wood or metal moulding (by others) used on opposite side; fits any size door. 1-1/4" Trim Mitered & Welded Corners.



900 SERIES: STANDARD Z-BLADE

For 1-3/8" to 1-3/4" Doors

PRODUCT DETAILS:

Size: Min Size: 6" x 4" - Max Size: 48" x 80"
For multiple section sizes see submittal

Frame Material: 18 Gauge Cold Rolled Steel

Blade Material: 18 Gauge Cold Rolled Steel

Blade Spacing: 1"

Door Thickness:

900A1: 1-3/4"

900 Core, 900C, 900A: 1-3/8" - 1-3/4"

Mounting Options: 900A1, 900 Core, 900C, 900A

Free Flow Area: 43%

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

- 18 Gauge Electro Zinc Plated Steel
- 18 Gauge 304 Stainless Steel #4 Finish
- 18 Gauge Galvanneal Steel
- 16 Gauge Cold Rolled Steel

Bird or Insect Screen: Attached to roll-formed frame.

900FPL SERIES: EXTERIOR Z-BLADE

For 1-3/4" Doors in Exterior Environments

PRODUCT DETAILS:

Size: Min Size 10" x 10" - Max Size: 36" x 84"
For multiple section sizes see submittal

Frame Material: 20 Gauge Galvanneal Steel

Frame Construction: 2" trim, mitered and welded corners. Screws fasten through frame into louver core, leaving exterior side of frame free of fasteners.

Blade Material: 18 Gauge Galvanneal Steel

Blade Spacing: 2-1/4"

Bird Screen: Standard. 1/4" galvanized steel mesh installed on room side of louver.

Door Thickness: 1-3/4"

Free Flow Area: 50%

Standard Finish: Gray

Optional Powder Coat Finishes: Mineral Bronze, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

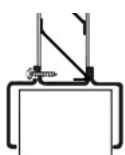
16 Gauge Galvanneal Steel

Insect Screen: 18 x 14 mesh on removable frame.

Insect Screen Options: Aluminum, Bronze, Fiberglass, Stainless Steel

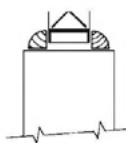
LOUVER MOUNTING OPTIONS FOR 900 SERIES

A1:



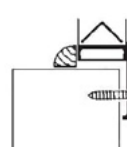
Self-attaching, vandal-proof design; basic blade unit with flanged frame welded to corridor side and separate removable flanged frame; fits 1-3/4" door only. 1-1/4" Trim Mitered & Welded Corners.

Core:



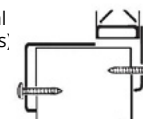
Basic blade unit only; for interior door or as transom louver held in place with wood or metal moulding (by others); any size door.

C:

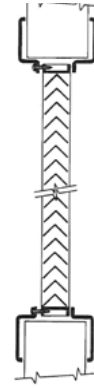
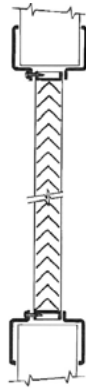


Basic blade unit with single flanged frame welded to corridor side. Wood or metal moulding (by others); used on opposite side; fits any size door. 1-1/4" Trim Mitered & Welded Corners.

A:



Basic blade unit with flanged frame welded to corridor side and separate flanged frame on opposite side; frame adjustable to fit doors from 1-3/8" - 1-3/4" thick. 1-1/4" Trim Mitered & Welded Corners.



600 SERIES: INVERTED V-BLADE

For 1-3/8" to 1-3/4" Doors

PRODUCT DETAILS:

Size: Min Size: 6" x 4" - Max Size: 24" x 80"
For multiple section sizes see submittal

Frame Material: 18 Gauge Cold Rolled Steel

Blade Material: 20 Gauge Cold Rolled Steel

Blade Spacing: 1/2"

Door Thickness:

600A1: 1-3/4"

600 Core, 600C, 600A: 1-3/8" - 1-3/4"

Mounting Options: 600A1, 600 Core, 600C, 600A

Free Flow Area: 60% Free

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

- 18 Gauge Electro Zinc Plated Steel
- 18 Gauge 304 Stainless Steel #4 Finish
- 18 Gauge Galvanneal Steel
- 16 Gauge Cold Rolled Steel

Bird or Insect Screen: Attached to roll-formed frame.

1300 SERIES: ALUMINUM INVERTED V-BLADE

For 1-3/8" to 1-3/4" Doors in Humid and Exterior Environments

PRODUCT DETAILS:

Size: Min Size 6" x 4" - Max 24" x 80"
For multiple section sizes see submittal

Frame Material: .050 Aluminum

Blade Material: .050 Aluminum

Blade Spacing: 1/2"

Door Thickness:

1300A1: 1-3/4"

1300 Core, 1300C, 1300A: 1-3/8" - 1-3/4"

Mounting Options: 1300A1, 1300 Core, 1300C, 1300A

Free Flow Area: 60% Free

Standard Finish: Silver

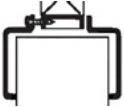
Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Brass, Sand, AMS Beige, SC Beige, Mineral Bronze

ADDITIONAL OPTIONS:

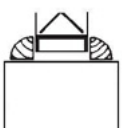
Bird or Insect Screen: Attached to roll-formed frame.

LOUVER MOUNTING OPTIONS FOR 600 & 1300 SERIES

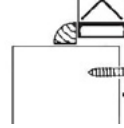
A1: Self-attaching, vandal-proof design; basic blade unit with flanged frame welded to corridor side and separate removable flanged frame; fits 1-3/4" door only. 1-1/4" Trim Mitered & Welded Corners.



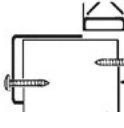
Core: Basic blade unit only; for interior door or as transom louver held in place with wood or metal moulding (by others); any size door.



C: Basic blade unit with single flanged frame welded to corridor side. Wood or metal moulding (by others); used on opposite side; fits any size door. 1-1/4" Trim Mitered & Welded Corners.

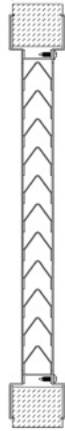


A: Basic blade unit with flanged frame welded to corridor side and separate flanged frame on opposite side; frame adjustable to fit doors from 1-3/8" - 1-3/4" thick. 1-1/4" Trim Mitered & Welded Corners.





LOUVERS



800 SERIES: INVERTED Y-BLADE

For 1-3/8" to 1-3/4" Doors

PRODUCT DETAILS:

Size: Min Size: 6" x 4" - Max Size: 48" x 80"
For multiple section sizes see submittal

Frame Material: 18 Gauge Cold Rolled Steel

Blade Material: 20 Gauge Cold Rolled Steel

Blade Spacing: 1"

Door Thickness:

800A1: 1-3/4"

800 Core, 800C, 800A: 1-3/8" - 1-3/4"

Mounting Options: 800A1, 800 Core, 800C, 800A

Free Flow Area: 50%

Standard Finish: Mineral Bronze

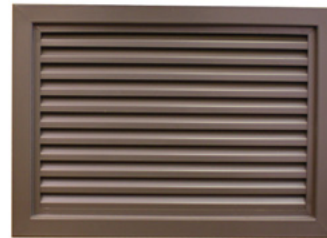
Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

- 18 Gauge Electro Zinc Plated Steel
- 18 Gauge Frame & 20 Gauge Blade Stainless Steel #4 Finish
- 18 Gauge Galvanneal Steel
- 16 Gauge Cold Rolled Steel

Bird or Insect Screen: Attached to roll-formed frame.



LOUVER MOUNTING OPTIONS FOR 800 SERIES

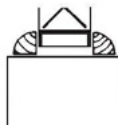
A1:

Self-attaching, vandal-proof design; basic blade unit with flanged frame welded to corridor side and separate removable flanged frame; fits 1-3/4" door only. 1-1/4" Trim Mitered & Welded Corners.



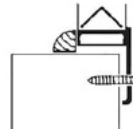
Core:

Basic blade unit only; for interior door or as transom louver held in place with wood or metal moulding (by others); any size door.



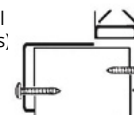
C:

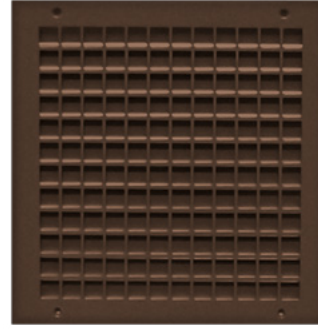
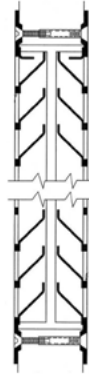
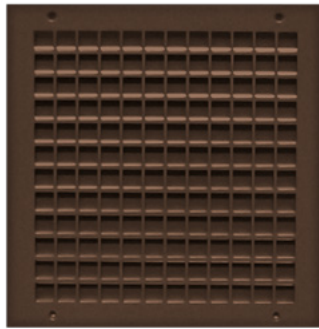
Basic blade unit with single flanged frame welded to corridor side. Wood or metal moulding (by others) used on opposite side; fits any size door. 1-1/4" Trim Mitered & Welded Corners.



A:

Basic blade unit with flanged frame welded to corridor side and separate flanged frame on opposite side; frame adjustable to fit doors from 1-3/8" - 1-3/4" thick. 1-1/4" Trim Mitered & Welded Corners.





1500A SERIES: SECURITY INVERTED Y-BLADE

For Vandal-Proof Building Design

PRODUCT DETAILS:

Size: Min Size 6" x 6" - Max Size: 36" x 80"
For multiple section sizes see submittal

Frame Material: 18 Gauge Cold Rolled Steel

Frame Construction: Security grille is welded to interior and exterior of louver with 13/16" square openings 1" on center.

Thru-bolted to door.

Blade Material: 18 Gauge Cold Rolled Steel

Blade Spacing: 1"

Grille Material: 12 Gauge Cold Rolled Steel

Door Thickness: 1-3/4"

Free Flow Area: 40%

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

18 Gauge Electro Zinc Plated Steel
16 Gauge Cold Rolled Steel

Bird or Insect Screen: Attached to interior of louver.

1500AHR: HURRICANE-RATED INVERTED Y-BLADE

For Severe Windstorm & Exterior Environments

PRODUCT DETAILS:

Size: Min Size 6" x 6" - Max Size: 24" x 64"

Frame Material: 18 Gauge Electro Zinc Plated Steel

Frame Construction: Security grille is welded to interior and exterior of louver with 13/16" square openings 1" on center. Thru-bolted to door.

Blade Material: 18 Gauge Electro Zinc Plated Steel

Blade Spacing: 1"

Grille Material: 12 Gauge Electro Zinc Plated Steel

Door Thickness: 1-3/4"

Free Flow Area: 40%

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

HURRICANE RATING:

Severe Windstorm Rating:

Warnock Hersey Listed and Labeled to ASTM E330, ASTM E1886, ASTM E1996, ANSI A250.13, TAS 201, TAS 202, TAS 203

Florida Product Approval: File # FL13341-R3

ADDITIONAL OPTIONS:

Bird or Insect Screen: Attached to interior of louver.



700A SERIES: INVERTED SPLIT Y-BLADE

For 1-3/8" or Larger Wood or Metal Doors

PRODUCT DETAILS:

Size: Min Size 6" x 4" - Max 48" x 80"
For multiple section sizes see submittal

Frame Material: 18 Gauge Cold Rolled Steel

Frame Construction: 1-1/4" trim, with mitered and welded corners and countersunk mounting holes. Louver frame is screwed into door from 2 sides.

Blade Material: 18 Gauge Cold Rolled Steel

Blade Spacing: 1"

Door Thickness: 1-3/8" minimum

Free Flow Area: 50% Free

Standard Finish: Mineral Bronze

Optional Powder Coat Finishes: Gray, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

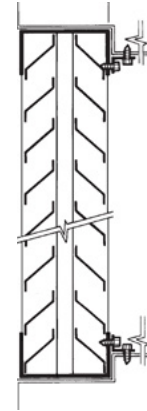
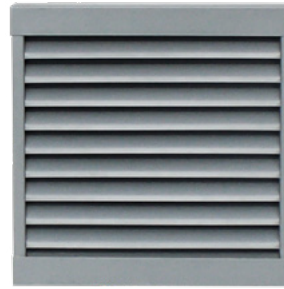
ADDITIONAL OPTIONS:

Materials:

- 18 Gauge Electro Zinc Plated Steel
- 18 Gauge 304 Stainless Steel #4 Finish
- 18 Gauge Galvanneal Steel
- 16 Gauge Cold Rolled Steel

Bird or Insect Screen:

Attached to interior of louver.



700TL SERIES: INVERTED SPLIT Y-BLADE

For Hollow Metal Frames & Transoms

PRODUCT DETAILS:

Size: Min Size 6" x 4", Max 36" x 36".
For multiple section sizes see submittal

Frame Material: 18 Gauge Cold Rolled Steel

Frame Construction: "U" channel frame for Flush Mounting

Blade Material: 18 Gauge Cold Rolled Steel

Blade Spacing: 1"

Frame: For installation into hollow metal frame by others.

Free Flow Area: 50% Free

Standard Finish: Gray

Optional Powder Coat Finishes: Mineral Bronze, Black, Flat Black, White, Silver, Brass, Sand, AMS Beige, SC Beige

ADDITIONAL OPTIONS:

Materials:

- 20 Gauge Electro Zinc Plated Steel
- 18 Gauge 304 Stainless Steel #4 Finish
- 18 Gauge Galvanneal Steel
- 16 Gauge Cold Rolled Steel

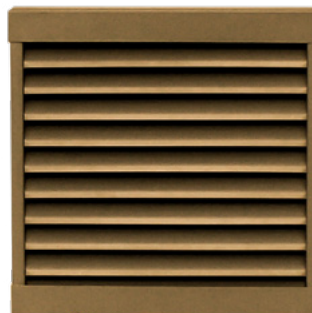
Bird or Insect Screen: Attached to interior of louver.



700A in Sand



700A in Flat Black



700TL in AMS Beige



700TL in White