

## Serv-Dawn 3" Curved Slat Door

# SERV-DAWN®

INDUSTRIAL SERVICE DOOR

Exo-Shield™



3" Curve with endlocks

3" Curve with continuous windlock endlocks (optional)

We also have the ability to accurately match the customer's color requirements when provided with the appropriate material samples.



### INSTALLATION

Opening preparation, miscellaneous or structural metal work, access doors, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.

Side Locks Optional



### APPLICATION AND USE

ISO 9001 Registered Company

#### HEAVY DUTY CONSTRUCTION DESIGN

Serv-Dawn doors are ideal for use in Factories, Parking Garages, Harsh Environments, Airports, Loading Docks, Industrial and Commercial Buildings, Security/Impact Areas, High Traffic Areas, Shipping and Ocean Container Loading and Unloading Areas.

### THE ALPINE ADVANTAGE AND BENEFIT

Alpine Serv-Dawn doors are recommended for security against theft and other applications where a space saving, low cost closure is required. No matter how large or small the job or how unusual the application, Alpine has a service door that meets your individual specifications. Doors are available in different materials including galvanized, prime painted, stainless steel, and aluminum. Alpine's quality and workmanship are proven throughout the door industry. Our hands-on approach to every job ensures customer satisfaction.

### FUNCTIONAL BENEFITS

Alpine ServDawn is cost effective, strong and come in contoured interlocking slat designs. Doors can be manually pushed up, hand-crank, hand-chain or motor operated. All operators can be adapted to specific conditions. Slide lock or pin locking mechanisms can be provided depending on the type of door operation. Alpine rolling steel doors are durable, sturdy and economical to install and maintain.

### OTHER RELATED PRODUCTS



## **DOOR CONSTRUCTION**

(ISO 9001: 2000 Registered Company)

### **CURTAIN**

Constructed of 22 gauge, roll-formed galvanized steel, 3" curved slats, interlocking, with contoured sections. Heavy Duty Industrial Design available in 20,18,16, and 14 gauge. Finish Options: baked enamel or powder coated.

### **BRACKETS**

Steel plate not less than 1/4" thick. Ball bearings are located at rotating support points. When bolted to the wall mounting angle it supports the counterbalance assembly and forms an end enclosure. Optional Stop-Lock Bearings.

### **GALVANIZED ENDLOCKS**

Ductile cast iron endlocks, hot-dipped galvanized and riveted to the ends of each alternate slat with 1/4" thick solid rivets which prevents lateral movement and limits the slat deflection of the curtain. Upon request, windlocks are provided based on door size and or design windload requirements.

### **BOTTOM BAR**

Made of two galvanized steel angles which extend into the guides. Option: Astragal.(Weatherstripping). Option: Sloping bottom bar.

### **GUIDES**

Guides are designed using structural or formed steel angles a minimum of 3/16" thick. Option: Brush Seals.

### **OPERATION**

Available in push-up, hand chain, hand-crank, or motor operation. For optional features see the motor operators section in this catalog.

### **COUNTERBALANCE ASSEMBLY**

Steel pipe barrel of a size capable of carrying a curtain load with a maximum deflection of 0.03" per ft. of door width. The Heat treated helical torsion springs are encased in a steel pipe barrel designed for proper door balance. This is to ensure that effort to operate the door will not exceed 35 lbs. A sealed and prelubricated ball bearing is present at rotating support points. A Charge Wheel is located outside the end bracket, which is used for applying initial spring torque and for future adjustments.

Option: High Cycle Springs can be designed to satisfy from 20,000 life cycles up to 400,000 life cycles

### **HOOD Hexagon (Option: Square or Round )**

Made from 22 gauge steel formed to fit the contour of the brackets with 3/8" thick intermediate supports as required to prevent excessive sag.

### **LOCKING (Optional)**

Doors can be optionally equipped with padlockable slide locks for latching and locking the door on the coil side of the bottom bar. Electric Interlocks are recommended for motorized doors.

## **MOTOR OPERATORS**

Choice of Redi-Master™, Redi-Hoist™, or Redi-Lift™ operators are available for Alpine's Conventional product lines. Please See Alpine's Motor Operator Page (<http://www.alpinedoors.com/products/optional-features/>)

**ACCESS CONTROLS:** Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. Please See Alpine's Access Controls Page (<http://www.alpinedoors.com/products/optional-features/obstruction-sensing/>)

### **FINISH (EXO-SHIELD POWDER COATING)**

Slats are prepared with a minimum galvanizing of G-60 (interior) and G-90 (exterior). The hoods are galvanized and other exposed ferrous surfaces are prime painted. (Finish Options: phosphate, baked enamel or powder coated. Please See Alpine's Color Selection Page (<http://www.alpinedoors.com/standard-color-selection/>)

### **PIPE SHAFT**

Door opening sizes vary from 5' X 6' up to 65' X 40'.

Depending on the width and height of the door the pipe will vary between 4", 6", 8", up to 28" pipe. Pipe shafts are made from 1018 cold rolled round steel and the drive shaft range from 1 1/4" for 4" pipe, 1 1/2" for 6" pipe, and 1 3/4" for 8" pipe.



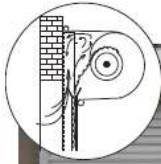
Fenestration Slats provide needed ventilation.

"We're Always Rolling"™

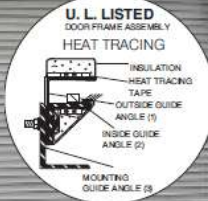
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# Alpine®

## Wind-Tite Flat Slat Door



INTERNAL HOOD Baffle  
PREVENTS INFILTRATION  
THRU HEADER



# WIND-TITE®

FULL WEATHER SEALED DOOR



WINDLOAD AND STRESS ANALYSIS CALCULATIONS  
SUPPLIED TO ARCHITECTS  
AND ENGINEERS UPON WRITTEN REQUEST

### APPLICATION AND USE

ISO 9001 Registered Company  
Alpine Wind-Tite Doors are used for Store Front's, Loading Dock's, Warehouses, Shipping and Receiving Platforms, AirCraft Hangars, Military Platforms and Specialty Applications.

### THE ALPINE ADVANTAGE AND BENEFIT

1. Alpine Wind-Tite Doors are designed for easy operation and are trouble free with minimal maintenance required. Alpine doors have been proven for use on thousands of installations for Commercial and Business locations. Alpine's quality and workmanship are proven throughout the door industry. Our hands-on approach to every job ensures customer satisfaction.
2. Make-to-Order manufacturing process. Alpine builds your product to the exact size, specifications and requirements.
3. All of our products are constructed to have a rigid and compact design which provides for a more structural grade product while reducing overhead space and obstruction.
4. Alpine builds trust by providing our products with a warranty on material and workmanship. As we also offer an optional five-year pro-rated warranties.
5. We are an ISO 9001 registered firm which ensures you that our products are built with true quality you can count on.

### INSTALLATION

Rolling service doors as manufactured by Alpine Overhead Doors, Inc. Opening preparation, miscellaneous or structural metal work, access doors, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.



STANDARD FLAT  
SLAT IS  
UPGRADEABLE  
TO INSUL-SOUND OR  
INSUL-VAPOR

We also have the ability to accurately match the customer's color requirements when provided with the appropriate material samples.



### FUNCTIONAL BENEFITS

1. Alpine Wind-Tite is strong and effective against strong wind conditions. They come in Flat interlocking slat designs. Doors can be manually pushed up, hand-crank, hand-chain or motor operated. All operators can be adapted to specific conditions. Alpine rolling steel doors are durable, sturdy and economical to install and maintain.
2. Utilized for specialty projects exceeding sizes of 60 feet in width.
3. Provides protection against high wind and water penetration.

### OTHER RELATED PRODUCTS



Alpine PATENT # 6,816,616  
**Insul-Sound**  
EQUIV. RESISTANT DOOR

PATENTED

Alpine PATENT # 6,816,616  
**insul-vapor**



**IMB - V8**<sup>TM</sup>  
15/16" THICK INSULATED SLAT

**REDI-STORM**<sup>®</sup>  
HURRICANE PROTECTION DEVICE  
APPROVED MEANS OF EGRESS

**IMB - V7**<sup>TM</sup>  
13/16" THICK INSULATED SLAT

**REDI-STORM**<sup>®</sup>  
Insulated IMB Metal Body  
HURRICANE PROTECTION DEVICE  
APPROVED MEANS OF EGRESS

"We're Always Rolling"<sup>TM</sup>

### DOOR CONSTRUCTION

#### CURTAIN

Constructed of interlocking, roll-formed 2 3/4" galvanized flat slats, G90 coating exterior, G60 coating interior, Structural Quality Grade C, as per ASTM-A653/A653-M. Slat Options: stainless steel or aluminum. Finish options: phosphate, baked enamel or powder coated.

#### GALVANIZED ENDLOCKS/WINDLOCKS

Ductile Cast iron, hot-dipped galvanized endlocks/windlocks are riveted to the ends of the slats with 1/4" rivets. Option in brass material which prevents sparking. Furnish windlocks based on windload specifications.

#### BOTTOM BAR

Two roll-formed galvanized steel angles which are designed to reinforce the bottom of the curtain. Equipped with vinyl weatherstripping which extends into the guides. Galvanized steel as per ASTM-A653/A653-M.

#### BRACKETS

Steel plate not less than 1/4" thick with ball bearings at rotating support points. When bolted to the wall the mounting angle it supports the counterbalance assembly and forms an end enclosure. Option: Stop Lock Bearing which prevents the door from free falling in the event of a drive operation failure.

#### GUIDES

Guides are designed using structural steel angles with a minimum thickness of 3/16", minimum 1/14" slotted connections and removable bellmouth curtain stops which allow for curtain maintenance without removal of the guides. They are equipped with vinyl weather seals.

#### SPRING COUNTERBALANCE

To be housed in a steel pipe with a diameter and wall thickness to restrict maximum deflection to 0.03" per foot of door width. Springs are of the helical torsion type which are designed to include an overload factor of 25% for optimum ease of operation. The springs are grease packed and mounted on a cold rolled steel inner shaft. Spring tension is adjustable from the outside of the end bracket plate. Sealed ball bearings prevent wear on the pipe shaft. Life Cycle 17.5M thru 400M.

#### LOCKING

Option: 1. Can be equipped with slide locks for latching and locking the door on the coil side of the bottom bar. Option: 2. Cylinder Locks. Option: 3. Electric Interlocks are recommended for motorized doors.

#### FINISH

Slats are prepared with a minimum galvanizing of G-60 (interior) and G-90 (exterior). The hoods are galvanized and other exposed ferrous surfaces are either prime painted or powder coated.

**Exo-Shield™:** The Powder Coat Finish is available for all of Alpine's Products and are available in over 188 standard colors with the option for custom colors and environmental requirements. Please See Alpine's Color Selection Page ([www.alpinedoors.com/colors\\_standard.htm](http://www.alpinedoors.com/colors_standard.htm))

#### GALVANIZING (OPTION)

Applied to the guides, brackets, pipe shafts and gears in addition to Standard Specifications. Applied where conditions of extreme or unusual atmospheric contamination is present. As per ASTM-A123.

#### HOOD Hexagon (Option: Square or Round)

Made from #22 gauge galvanized steel and formed to fit the contour of the end brackets. Optional material in stainless steel or aluminum. Equipped with a neoprene air baffle. Finish Options: phosphate, baked enamel or powder coated.

#### FASCIA GALVANIZED (OPTIONAL)

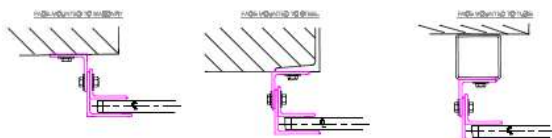
Useful where the area behind the hood is open. Especially applicable with pre-engineered buildings.

#### OPERATION

Available in push-up, hand chain, hand-crank, or motor operation. For other optional features see the motor operators section in this catalog. Please See Alpine's Motor Operator Page ([www.alpinedoors.com/motoroperators.htm](http://www.alpinedoors.com/motoroperators.htm))

**ACCESS CONTROLS:** Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. Please See Alpine's Access Controls Page ([www.alpinedoors.com/accesscontrols.htm](http://www.alpinedoors.com/accesscontrols.htm))

#### GUIDE CONFIGURATIONS



"We're Always Rolling"™



## Econo-Serv-Dawn 4" Steel Vision



### INSTALLATION

Rolling Econo-Serv-Dawn Steel Vision Doors as manufactured by Alpine Overhead Doors, Inc. Opening preparation, miscellaneous or structural metal work, access doors, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.

### APPLICATION AND USE

ISO 9001 Registered Company

Alpine Econo-Serv-Dawn Steel Vision Doors are used for Store Front's, Office Window's, Shopping Malls, Display Cases and Ventilated Areas..

### SLAT DESIGN

#### 4" CURVED PERFORATED SLAT WITH STEEL STAMPED ENDLOCKS



Back of Coil Side



Front of Coil Side

We also have the ability to accurately match the customer's color requirements when provided with the appropriate material samples.

### THE ALPINE ADVANTAGE AND BENEFIT

Alpine Doors are very durable and require very low maintenance for many years of continued operational use. No matter how large or small the job or how unusual the application, Alpine has a door that meets your individual specifications. Doors are available in different materials including galvanized, prime painted, stainless steel, and aluminum. Alpine's quality and workmanship are proven throughout the door industry. Our hands-on approach to every job ensures customer satisfaction.

### FUNCTIONAL BENEFITS

There are no visual distractions when looking through an Econo-Serv-Dawn STEELVISION door. A clean, uncluttered view is achieved, eliminating the claustrophobic effect of being "closed-in". Safe and secure - made of heavy gauge steel. Econo-Serv-Dawn STEELVISION doors are available in a variety of sizes. They can be used in conjunction with our Transfer Seal Slat for changes of weather or seasons. Econo-Serv-Dawn STEELVISION doors can be motor or manually operated. They can be used on Alpine Thermo Doors. Available in brush silver, brushed gold and bronze or any anodized color to match your mall decor. Accents the appearance of doors and enhances building decor. Available in different configurations and shapes and can be used in counter shutters.

### OTHER RELATED PRODUCTS





## Econo-Serv-Dawn 4" Steel Vision



### DOOR CONSTRUCTION

#### CURTAIN

Constructed of interlocking, roll formed, galvanized 4" Curved perforated slats. G90 coating exterior, G60 coating interior, Structural Quality Grade C, as per ASTM-A653/A653-M.

#### GUIDES

Consists of 13 gauge roll-formed steel guides, expansion slotted connections and removeable bellmouth curtain stops.

#### SPRING COUNTERBALANCE

To be housed in a steel pipe with a diameter and wall thickness to restrict maximum deflection to 0.03" per foot of door width. Springs are of the helical torsion type which are designed to include an overload factor of 25% for optimum ease of operation. The springs are grease packed and mounted on a cold rolled steel inner shaft. Spring tension is adjustable from the outside of the end bracket plate. Sealed ball bearings prevent wear on the pipe shaft. Life Cycle 17.5M thru 400M.

#### HOOD

Made from 22 gauge steel formed to fit the contour of the brackets.

#### BRACKETS

Steel plate not less than 1/4" thick. Ball bearings are located at rotating support points. When bolted to the wall the mounting angle supports the counterbalance assembly and forms an end enclosure.

#### LOCKING

Doors are equipped with padlockable slide locks for latching and locking the door on the coil side of the bottom bar. Electric Interlocks recommended for motorized doors.

#### OPERATION

Motor operator is optional. *Please See Alpine's Motor Operator Page ([www.alpinedoors.com/motoroperators.htm](http://www.alpinedoors.com/motoroperators.htm))*

**ACCESS CONTROLS:** Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. *Please See Alpine's Access Controls Page ([www.alpinedoors.com/accesscontrols.htm](http://www.alpinedoors.com/accesscontrols.htm))*

#### FINISH

Slats are prepared with a minimum galvanizing of G-60 (interior) and G-90 (exterior). The hoods are galvanized and other exposed ferrous surfaces are prime painted. Finish Options: phosphate, baked enamel or powder coated.

**Exo-Shield™:** The Powder Coat Finish is available for all of Alpine's Products and are available in over 188 standard colors with the option for custom colors and environmental requirements. *Please See Alpine's Color Selection Page ([www.alpinedoors.com/colors\\_standard.htm](http://www.alpinedoors.com/colors_standard.htm))*