

Exo-Shield™



APPLICATION AND USE

ISO 9001 Registered Company

Rolling 6" Industrial-Grille doors as manufactured by Alpine. Industrial Grille doors are designed for easy operation and long life use with minimum maintenance required. Ideal for store fronts, malls, display cases, office windows and shopping centers. Alpine Grille Doors are also used to protect glass window openings and service window openings.

THE ALPINE ADVANTAGE AND BENEFIT

Alpine Grille 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 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.

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.

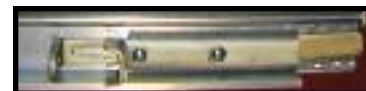
FUNCTIONAL BENEFITS

Alpine Security Grille Doors are designed for easy operation and are trouble free with minimal maintenance. The Alpine Grille offers security and protection as well as the ability to visually observe what is behind the door when fully closed.

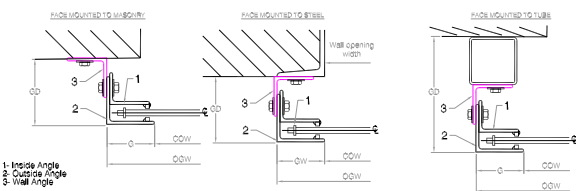
OTHER RELATED PRODUCTS



Slide Locks Optional



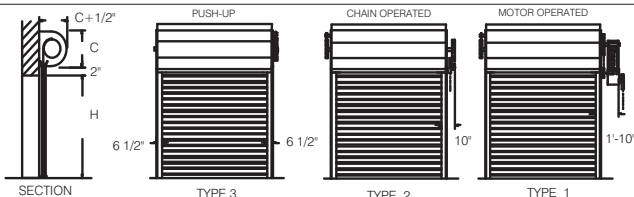
GUIDE CONFIGURATIONS



CLEARANCE DETAILS

FACE MOUNTED

(C = BRACKET SIZE; H = HEIGHT)



HEIGHT	C	C+ 1/2	TYPE	A	B
up to 6'0"	14	14 1/2	1	5 1/2	6 1/2
6'6" to 9'6"	15	15 1/2	2	5 1/2	7
10'0" to 12'6"	16	16 1/2	3	5 1/2	1'10"

"We're Always Rolling"™



DOOR CONSTRUCTION

CURTAIN/GRILLE ASSEMBLY

Curtain grille construction consists of the Alpine Straight Pattern 6" with aluminum vertical links and horizontal PVC sleeves. There is a choice of 4 standard colors: bronze, black, silver, or gold. Continuous solid 5/16" hot dipped galvanized horizontal rods spaced 2" o.c. are to be covered with tubular spacers. Continuous end links are made to prevent the curtain from leaving the side of the guides.

BOTTOM BAR

Two roll-formed galvanized steel angles measuring 2"x2"x1/8", designed to reinforce the bottom of the curtain. Standard galvanized steel as per ASTM A653/A653 M. Option: stainless steel.

BRACKET PLATES

The carrying pipe counterbalancing shafts are made of steel plating no less than 3/16" thickness. The drive end bracket plate is fitted with a sealed ball bearing and the bracket plates contains the grille door coil.

GUIDES

Guides are designed using structural steel angles with a minimum thickness of 3/16", expansion slotted connections, and removable bellmount curtain stops to allow for curtain maintenance without removal of the guides.

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.

HOOD Hexagon (OPTION: Square or Round)

Produced in 22 gauge steel and formed to fit the contour of the brackets with 3/8" thick intermediate supports used as needed to prevent excessive sag.

OPERATION

Push-up, hand chain, hand-crank, or motor operation available. For optional features see the motor operators section in this catalog. *Please See Alpine's Motor Operator Page (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)*

LOCKING

Optional cylinder locks. Also available with padlockable slide locks for latching and locking the door on the coil side of the bottom bar. Electric Interlocks required with motorized doors.

FASCIA GALVANIZED (OPTION)

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

FINISH (OPTION)

Steel surfaces are powder coated. Optional aluminum, mill finish, in clear anodized, bronze or black. Also available in Stainless Steel as per ASTM-A240, mill finish #2B, or satin finish #4. **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)*