Counter-Shutter Fire Door

Motor Operated
Face of Wall mounted

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BOTTOM BAR OPTIONS

HOOD SHAPES AVAILABLE FOR THIS DOOR

Electric Sensing Edge

Tubular Bar (Lazer Cut)
Door up to 8' wide

Roll-formed, Double Angle

Square Shape Hood

Round Shape Hood

For FM approval, door must have flame baffle installed.

Flame Baffle mounted to underside of hood will drop down to contain flames, in the event of a fire.

Obstacle Edges Available

Guide Detail

FLAME BAFFLE DETAIL

Tube Mounting for Fire Doors
To Allow For Heat Expansion

Existing Wall Construction Varies

Steel Space Plate
6" Min

Fastener Per Mfr Spec
Min 2 Req'd Assy
@ 6" O.C.

Top-of-Tube Assembly

Inner Steel Sleeve
Max 1/8" Total Clearance Between Inner Sleeve and Outer Steel Tube

1/8"/Pt of Height for Expansion

Steel Crush Plate

1/8"/Pt of Height for Expansion

Steel Crush Plate

FM Requires Intermediate Supports, Not More Than 8'-0" Apart.

Existing Floor

Base Plate

Outer Steel Tube

Existing Floor

Call your Alpine representative for additional options and safety products to help find the best Alpine door to suit your needs.

Distributed By:

Manufactured by:

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Finding the minimum required operation for the size door you need.

**Height of Shutter**

<table>
<thead>
<tr>
<th>0</th>
<th>6’-0”</th>
<th>8’-0”</th>
<th>10’-0”</th>
<th>12’-0”</th>
<th>14’-0”</th>
<th>16’-0”</th>
<th>18’-0”</th>
</tr>
</thead>
</table>

**Operator Legend**

- Hand Chain Operation
- Motor Operation Only

To use Chart: Find where your door width and height meet to find the minimum operation that may be used for that door size. For example: The blue line indicates a Hand Chain Operation. Any size door on that line or above that line may use a Hand Chain, including the door sizes that fall into the Manual push up door. But, The Manual push up door may not be used for any door size below the line representing Push up operation. For any door size larger than what is represented here please consult your Alpine Overhead Doors, Inc. Factory. This Graph is for reference only, subject to change without notice.

Finding the minimum required bracket size for the door you need.

**Height of Shutter**

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<th>12”</th>
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</table>

**NOTE:** Bracket sizes may vary based on gauge of curtain. Bracket size is directly related to the pipe low moment arm deflection (not more than .03 inches per foot).

To use Chart: Find where your door width and height meet to find the minimum bracket size for your door. For any door size larger than what is represented here please consult your Alpine Overhead Doors, Inc. Factory. This Graph is for reference only, subject to change without notice.