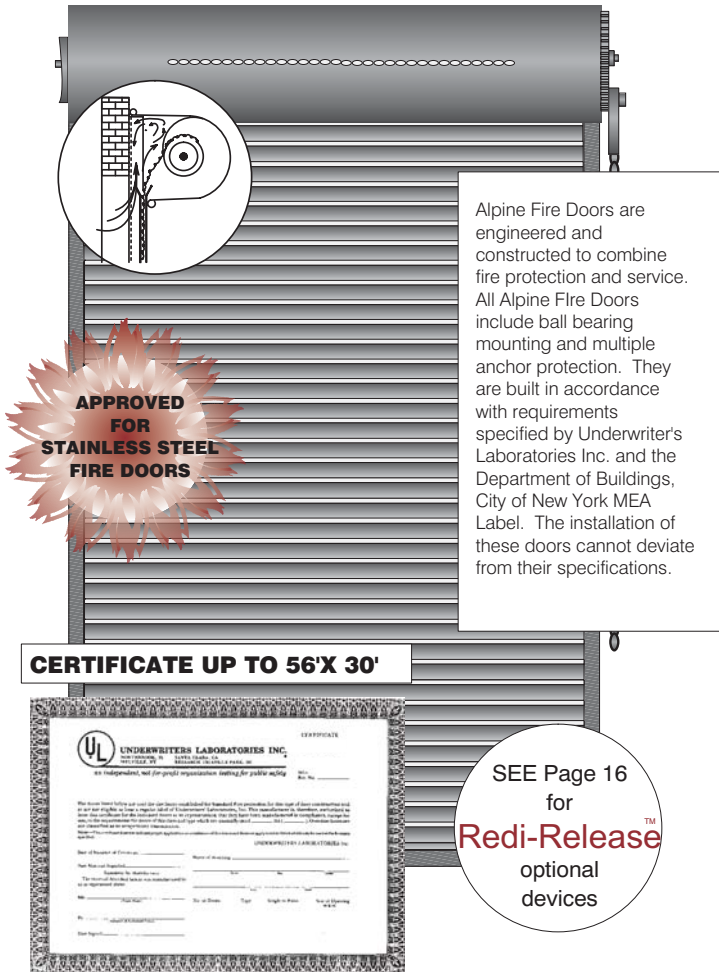


INTERNAL HOOD BAFFLE PREVENTS INFILTRATION THRU HEADER



Alpine Fire Doors are engineered and constructed to combine fire protection and service. All Alpine Fire Doors include ball bearing mounting and multiple anchor protection. They are built in accordance with requirements specified by Underwriter's Laboratories Inc. and the Department of Buildings, City of New York MEA Label. The installation of these doors cannot deviate from their specifications.

APPROVED FOR STAINLESS STEEL FIRE DOORS

CERTIFICATE UP TO 56'X 30'

SEE Page 16 for Redi-Release™ optional devices

The Oversize Certificate is authorized for rolling steel doors for the protection of openings in fire walls, vertical shafts and exterior walls where the area exceeds 120 square ft., or for openings in the above locations when width or height exceeds 12ft. The maximum dimensions for doors for standard fire protection provided with the Oversize Fire Door Certificate are not to exceed 40 ft. in width and 30 ft. in height.

Doors are constructed to conform within requirements specified by Underwriter's Laboratories, Inc. (U.L.). Doors are automatic and self-closing, Class (A) (B) (C) (D) or oversized certificate. 4 hour fire doors are also available.

Class (A) - 3 hour door; approved for doors in dividing fire walls with openings not exceeding 1200 sq. ft. in area.
Class (B) - 1.5 hour door; approved for doors, in vertical shaft openings not exceeding 1200 sq. ft. in area.
Class (C) - 0.75 hour door; approved for doors in a corridor or a room-partition opening not exceeding 1200 sq. ft. in area.
Class (D) - 1.5 hour door; approved for doors in an exterior wall opening not exceeding 1200 sq. ft. in area.

INSTALLATION/EXECUTION

- 1) The opening preparation and the installation of fire door are to be in strict compliance with NPFA-80.
- 2) At time of installation, the installer/distributor is (a) to test the operation of fire door in compliance with NFPA-80 and (b) to attest that operation of the door is in full compliance with NPFA-80.

SPECIFICATIONS GENERAL

Rolling Fire Doors manufactured by Alpine are classified for a 3 hour (Class A) rating and may also be installed in openings requiring a lower rating. They carry the label of Underwriter's Laboratories, Inc., (U.L.)

CURTAIN

Curtains shall be constructed of interlocking roll-formed galvanized steel slats with a zinc coating not less than 1.25 ounces per square foot of flat metal, A.S.T.M. standards. The curtain shall be equipped with a bottom bar consisting of two angles of equal weight, one on each side, securely fastened to the bottom of the curtain for reinforcement and to provide contact against the sill when closed. (Option: stainless steel slats)

COUNTERBALANCED 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. Heat treated helical torsion springs encased in a steel pipe and designed to include an overload factor of 25% to ensure minimum effort to operate. Sealed and prelubricated ball bearings are located at rotating support points. A charge wheel is present for applying initial spring torque and for future adjustments. (Option: stainless steel or hot dipped galvanized)

(Option: High Cycle Springs designed to satisfy 30, 40, 50, 60, 70, 80, and 90m life cycles. For extra high cycle, 100m and up, consult with Engineering.)

BRACKETS

Made from a steel plate no less than 3/16" thick. Ball bearing at rotating support points. Bolted to guide wall angle extension, supports counterbalance assembly and forms an end enclosure.

HOOD HEXAGON (Square or Round OPTIONAL)

Manufactured from #24 gauge galvanized steel and formed to fit the contour of the brackets. Intermediate supports are used as required in order to prevent excessive sag. (Option: stainless steel)

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. Bellmount stops shall be flush with the guide groove.

OPERATION

Choice of push-up, hand chain, hand-crank, or motor operation. (for optional features see the motor operators section in this catalog)

LOCKING

Doors are equipped for latching by slide bolts. Motor doors with locks will void the Alpine Warranty.

FINISHES (Optional)

Finish on steel to be shop coated primer, except galvanized surfaces. Stainless steel, #2B, #4B, #7B, polished or mill finish. Call for color options and finishes.

GALVANIZING

To be applied to the guides, brackets, pipe shafts and gears in addition to the standard specifications. Applied where conditions of extreme or unusual atmospheric contamination is present. (In accordance with ASTM: A324)