

SAFETY, PROTECTION, SECURITY.

ASTA Door 500 Series Rolling Steel Fire Door is designed and manufactured for use on openings where a fire rated door is required. The **500 Series** fire door curtain is provided in 3"- 22, 20, or 18-gauge flat slats. This fire door mounts to steel, concrete, masonry block (filled or hollow), and is available in sizes up to 30' wide and 24' high (not to exceed 600 sq. ft.). The **500 Series** is available in chain hoist or electric operations. Activation options include fusible links and automatic closing devices XP or XPBB (battery backup), which are fail-safe release mechanisms that allow routine fire door testing to be completed without the activation of the central alarm system.



Endlocks: Each end of alternate slats to be fitted with malleable cast iron endlocks.

Bottom Bar: Structural steel two-piece angle bottom bar (back to back) with weather seal.

Springs: Oil tempered, grease packed helical torsion springs designed to cycle 25,000 times.

Bracket Plates: Brackets (head plates) are fabricated from 1/4" minimum thickness steel plates.

Auto Reset: Easy and fast Fire Door drop test for both chain hoist operation and electric motor.

STANDARD COLORS

- White Topcoat
- Gray Topcoat
- Tan Topcoat
- Galvanized (22-gauge only)

Powder Coat Finish is available in a variety of color options

40 year film integrity and a 35 year no-chalk/no-fade limited paint warranty.

AVAILABLE OPTIONS

Fire Ratings

45 minute, 1-1/2 hour, 3 hour, and 4 hour (18-gauge only)

Automatic Closing Devices

XP, XPBB, AFCB

Detection and Activation Devices

Smoke Detector, 165° Fusible Links, Horn and Strobe, and Heat Detector can be added to the building central alarm system or stand alone with a closing device

Optional Mounting

Between Jamb under lintel (fascia required) and Between Jamb above lintel

Vision Lights

5" wide x 3/4" high available on U. L. Rating 45 minute, 1-1/2 hour and 3 hour.

Flame Baffle and Jamb Seal

Helps prevent smoke infiltration through the header and jamb

MODELS

522: 22-Gauge Slat, **520:** 20-Gauge Slat, **518:** 18-Gauge Slat
(Flat Profile)

STANDARD FEATURES

U.L. Label: Sizes up to 120 sq. ft. are U.L. labeled sizes. Oversized labels are provided for openings up to 600 sq. ft. All doors comply with 45 minute, 1-1/2 hour, 3 hour, and 4 hour (18-gauge only).

Slats: 22, 20 and 18-gauge galvanized steel flat slat. Galvanized according to ASTM A-653 and finished with a high-tech polymer based super durable polyester topcoat.

Guide Assembly: 3-Piece structural steel angles 3/16" minimal thickness with removable head stops and 30" service cutout.

Barrel Assembly: Steel pipe of diameter and wall thickness to restrict maximum deflection to .03" per foot of door width.

Hood: 24-gauge galvanized steel with a high-tech polymer based super durable polyester topcoat.

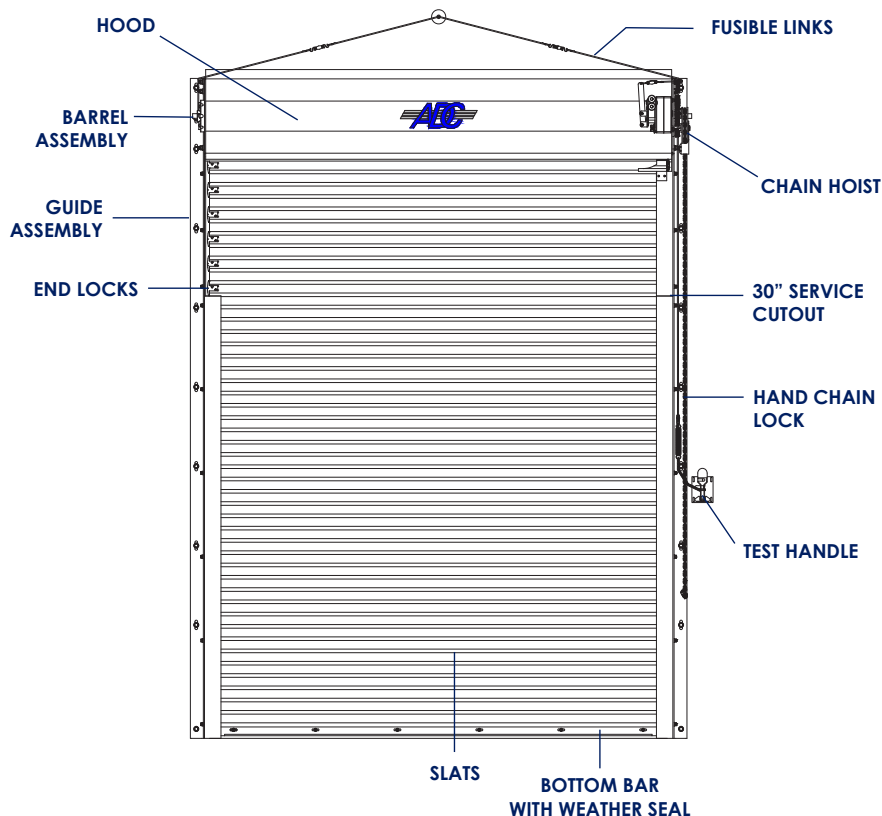
FIRE DOOR OPERATION

Chain Hoist or Electric Operator

Automatic Closure (Chain Hoist or Electric Operator): Our Fire Door was developed to allow the safe emergency closing when activated by our 165° fusible link, or when activated by another release device. The door will automatically descend to the floor at a controlled rate. This system eliminates the danger associated with a free-falling door.

Fire Door Electric Operator: Standard features include time delayed automatic closing, auto-reset overload protection, monitored battery back-up, low battery warning, keyed test station, continuous duty motor, detector/alarm input, 24-volt control circuit, 3-button station open/close/stop, NEMA 1 enclosure and is U.L. listed.

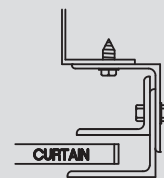
Drop Testing and Auto Reset: Floor level release and reset handle provided with the chain hoist. Key test station provided with motor operation. No tools or ladders required to drop test or reset our simple test fire door.



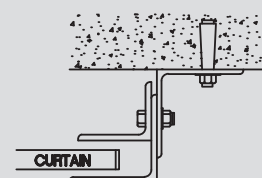
U.L. TESTED AND APPROVED

STANDARD GUIDE DETAILS

3 PIECE STRUCTURAL STEEL GUIDES MOUNTING TO STEEL



3 PIECE STRUCTURAL STEEL GUIDES MOUNTING TO CONCRETE



(Guide dimensions vary by door size)

*For headroom and sideroom dimensions, refer to door specific shop drawings

To Learn more visit: ASTADoor.com
or call **770-742-6732**.

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ASTA Door Corporation reserves the right to change engineering specifications without prior notice. Illustrations shown are for general reference and should be verified for construction purposes.