

#### FIVE FINISH OPTIONS:

- White Topcoat
- Gray Topcoat
- Tan Topcoat
- Galvanized

*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.

#### STANDARD FEATURES:

**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.

**Powder Coat Black at Factory:** Guides, bottom bars, and headplates.

## SAFETY, PROTECTION, SECURITY.

**ASTA AMERICA 500 SERIES ROLLING FIRE DOOR** is designed and manufactured for use on openings where a fire rated door is required. The **500 Series Rolling Fire Door** 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 square feet). The **500 Series** is manufacturing to the highest standards featuring space saving designs with user-friendly operation. The fail-safe operating system is activated by fusible links, smoke detectors, or can be wired to a central alarm system by one of our release devices.



## 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 Panels:** 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.

**High Cycle Springs:** Available in 50,000 cycles and 100,000 cycles.

## STANDARD FEATURES:

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

**Slats: 22, 20, or 18-gauge** are manufactured from commercial grade galvanized steel with baked epoxy primer and baked polyester topcoat.

**Guide Assembly:** Guide angles to be 3/16" minimum thickness structural steel with 30" service cutout and removable headstops. Guide depth to provide slat penetration adequate to satisfy specified wind loading.

**Drum/Axle Assembly:** Barrel to be a steel pipe of diameter and wall thickness to restrict maximum deflection to .03" per foot width. Springs to be oil tempered grease packed helical torsion type designed to cycle 25,000 times. Springs are to be mounted on a cold rolled steel inner shaft. End bearing to be self-lubricating ball bearings.

**Hood:** 24-gauge galvanized steel with baked epoxy primer and baked polyester topcoat designed to enclose door coil. Reinforcing to be 1/4" thick steel brackets for door over 16'0" wide.

## 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.

## 500 SERIES ROLLING FIRE DOOR MODEL 522 (22-GAUGE SLAT), MODEL 520 (20-GAUGE SLAT), MODEL 518 (18-GAUGE SLAT, FLAT PROFILE)

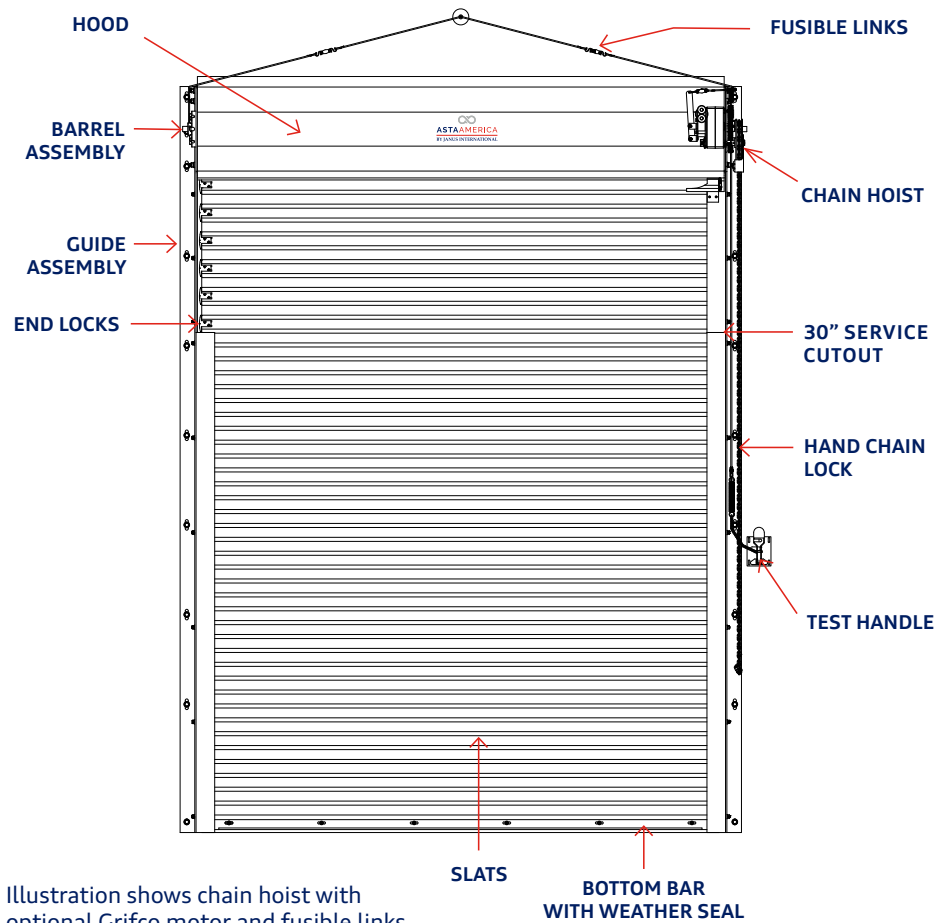


Illustration shows chain hoist with optional Grifco motor and fusible links.

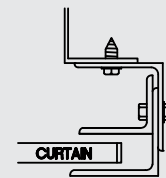


Active Test Door

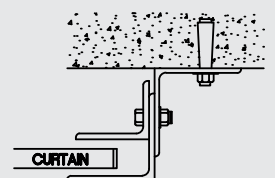
## U.L. TESTED AND APPROVED

### 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.

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