

Industry Standards:

- ANSI A250.6** Recommended Practice for Hardware Reinforcing
- ANSI A250.8** Specifications for Standard Steel Doors & Frames
- ANSI A250.10** Test Procedures & Acceptance Criteria for Prime Painted Steel
- SDI 111** Recommended Details for Standard Steel Doors, Frame, Accessories & Related Components
- UL 752 (2021)** UL Standard for Safety for Bullet Resisting Equipment

Bullet Rating

- Level 1** – 9mm Full Metal Copper Jacket with Lead Core, 124 Grain, 8.0 Grams, 1,175 fps Minimum Velocity, 1,293 fps Maximum Velocity

Fire Rating: See “Fire Rating” Section for More Details
Up to and including 3-Hour, UL 10C, UL9, UL 1784

Warranty: See “Warranty” Statement for More Details
One Year (365 days) from the date of delivery

Material Types:

- Cold Rolled Steel (ASTM A1008)
- A60 Galvannealed (ASTM A653)

Size:

- Singles: 2'-0" x 2'-0" min – 4'-0" x 8'-0" max
- Pairs: 4'-0" x 2'-0" min – 8'-0" x 8'-0" max
 - o Requires (2) 12 Gauge (0.093 min) Flat Bar Astragals

Door Construction:

- Skin Options:
 - o 16 Gauge (0.053 min)
 - o 14 Gauge (0.067 min)
- Steel Stiffened Core
 - o 22 Gauge (0.026 min) Stiffeners
 - o 2.5 lb Density Mineral Fiber Infill
- Top Channel - 16 Gauge (0.093 min)
- Bottom Channel - 16 Gauge (0.093 min)
- Edge Seam
 - o Seamless Bondo (Standard)
 - o Seamless Continuously Welded (Optional)
 - o Open Seam (Optional)
- Edge Type
 - o Bevel Hinge & Lock Edge 1/8" over 2" (standard)
 - o Square Edge (optional)

Frame Construction:

- Material
 - o 16 Gauge (0.053 min)
 - o 14 Gauge (0.067 min)
- Jamb Depth 4-3/4" min, 15" max
- Header
 - o 2" Face
 - o 4" Face
- Profile
 - o Masonry Equal Rabbet (MER) (standard)
 - o Masonry Unequal Rabbet (MUR)
 - o Masonry Single Rabbet (MSR)
 - o Drywall Equal Rabbet (DER)
 - o Drywall Unequal Rabbet (DUR)
 - o Drywall Single Rabbet (DSR)
- Welding Options:
 - o Face Welded (FW) (Standard)
 - o Full Profile Weld (CW)
- Anchoring Options:
 - o Metal Stud Anchors (MSA)
 - o Wood Stud Anchor (WSA)
 - o Masonry Wire Anchor (MWA)
 - o Masonry T-Anchor (MTA)
 - o Existing Masonry Anchor (EMA)

Hardware Requirements

- Lock
 - o Must use Bullet Rated Locks Equal or Greater in Rating
- Hinges
 - o Butt Hinges per ANSI/BHMA A156.1
 - o Pivots per ANSI/BHMA A156.4
 - o Continuous Hinges per ANSI/BHMA A156.6
- Glass Kit
 - o 12" x 12" Minimum
 - o Kit & Glass by Others & Must Meet Bullet Rating Equal or Greater to Door Rating.