

## Tech 405

# Bullet Resistance Assemblies



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# Technical Data

## Bullet Resistance Assemblies

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## Level 1

**Testing Standards** **UL 752 Ballistic Standards**  
**Level 1** - 9mm full metal copper jacket with lead core, 124 grain, 8.0 grams, 1,175 fps  
 Minimum Velocity, 1,293 Maximum Velocity

**Size**  
 Single: 2'-0" X 2'-0" (min) - 4'-0" X 8'-0" (max)  
 Pair: 4'-0" X 2'-0" (min) - 8'-0" X 8'-0" (max) with 12 gauge Flat Bar Astragal

**Door Gauge**  
 16 Gauge (0.053 min) - ANSI A250.8/SDI 100 Level 3 (Heavy Duty)  
 14 Gauge (0.067 min) - ANSI A250.8/SDI 100 Level 4 (Extra Heavy Duty)

**Material Type (Door & Frame)**  
 Cold Rolled Steel - ASTM A1008  
 A60 Galvannealed - ASTM A653  
 Stainless Steel

**Glazing Options (Door)**  
 Must Use Bullet Rated Kit (rating must be greater or equal to door rating)  
 Must Use Bullet Rated Glass (rating must be greater or equal to door rating)  
 Minimum: 12" x 12"  
 Maximum: Per Kit and Glass Listing

**Door Thickness** 1 3/4" (+/- 1/16")

**Edge Seam**  
 Seamless - Bondo (Standard) - ANSI A250.8/SDI 100 Model 2  
 Seamless - Continuous Welded (Optional) - ANSI A250.8/SDI 100 Model 2  
 Open Seam (Optional) - ANSI A250.8/SDI 100 Model 1

**Edge Type**  
 Bevel Hinge & Lock Edge - 1/8" over 2" (Standard)  
 Square Edge (optional)

**Frame Material**  
 16 Gauge (0.053 min)  
 14 Gauge (0.067 min)

**Frame Jamb Depth** 4 1/2" min, 15" max

**Frame Face**  
 Jamb - 2" Face  
 Header - 2" min, 4" max

**Frame Profile**  
 Single Rabbet  
 Double Rabbet

**Frame Welding** Continuous/Full Profile Weld

**Hinges**  
 Butt Hinges Per ANSI/BHMA A156.1  
 Pivots Per ANSI/BHMA A156.4  
 Continuous Hinges Per ANSI/BHMA A156.26

**Locks** Must use bullet rated door locks

**Fire Rating** Up to 3 hours

**Reinforcements**

Hinge	7 Gauge (0.167 min)
Cylindrical Lock (Govt 161)	16 Gauge (0.053 min)
Mortise Lock (Govt 86)	11 Gauge (0.108 min)
Flush Bolts	11 Gauge (0.108 min)
Surface Bolts	14 Gauge (0.067 min)
Surface Closer	14 Gauge (0.067 min)
Surface Holder/Stop	14 Gauge (0.067 min)
Pull Plates/Bars	14 Gauge (0.067 min)
Surface Applied Exit Devices	14 Gauge (0.067 min)
Pivots	7 Gauge (0.167 min)



\*Hardware by others