

Tech 405

Bullet Resistance Assemblies



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Technical Data

Bullet Resistance Assemblies

Tech 405

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)

