


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)	11 Gauge (0.108 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

Technical Data

Bullet Resistance Assemblies

Tech 405

Level 2

Testing Standards	UL 752 Ballistic Standards Level 2 - .357 Magnum jacketed lead soft point, 158 grain, 10.2 grams, 1,250 fps Minimum Velocity, 1,375 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 (2) 12 gauge Flat Bar Astragals	
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) Glazing and Kit by others, MPI to Cutout and Reinforce ONLY Minimum: 12" x 12" Maximum: Per Kit and Glass Listings	
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	14 Gauge (.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 rated door locks (by others)	
Fire Rating	Up to 3 hours	
Reinforcements	Hinge	7 Gauge (0.167 min)
	Cylindrical Lock (Govt 161)	11 Gauge (0.108 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

Technical Data

Bullet Resistance Assemblies

Tech 405

Level 3

Testing Standards	UL 752 Ballistic Standards Level 3 - .44 Magnum lead semi-wad cutter gas checked, 240 grain, 15.6 grams, 1,350 fps Minimum Velocity, 1,485 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 (2) 12 gauge Flat Bar Astragals	
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) Glazing and Kit by others, MPI to Cutout and Reinforce ONLY Minimum: 12" x 12" Maximum: Per Kit and Glass Listings	
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	14 Gauge (.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 rated door locks (by others)	
Fire Rating	Up to 3 hours	
Reinforcements	Hinge	7 Gauge (0.167 min)
	Cylindrical Lock (Govt 161)	11 Gauge (0.108 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