

Tech 405

Bullet Resistance Assemblies



The MPI Group, LLC

319 North Hills Road, Corbin, Kentucky 40701

www.metalproductsinc.com

606-523-0461

support@metalproductsinc.com

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)	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