

Technical Data

Steel Stiffened Doors

Tech 303

Industry Standards	HMMA 861 Vertically Steel Stiffened Hollow Metal Door ANSI A250.4 Level A Physical Endurance Levels of Doors & Frames ANSI A250.6 Recommended Practice for Hardware Reinforcing ANSI A250.8/SDI 100 Specifications for Standard Steel Doors & Frames ANSI A250.10 Test Procedure & Acceptance Criteria for Prime Painted Steel	
Size	Maximum Size: 5'-0" X 10'-0" Nominal (see oversize door page) Actual Width = Nominal - 1/4" Actual Height = Nominal - 3/4" (5/8" undercut)	
Core	22 Gauge (0.026 min) Stiffeners Spot Welded to Face Sheets Additional Gauge Options Available Upon Request Stiffeners Are Equally Spaced With 6" Between Each Set 2.5 lb Density Mineral Fiber Between Stiffeners, ASTM C665 Type 1, ASTM E136	
Face Skin Options	18 Gauge (0.042 min) - ANSI A250.8/SDI 100 Level 2 (Standard Duty) 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	Cold Rolled Steel - ASTM A1008 A60 Galvannealed - ASTM A653 G90 Galvanized - ASTM A653 (not recommended) Stainless Steel Type 304/316 with #4 Finish	
Edge Type	Bevel Hinge & Lock Edge - 1/8" over 2" (Standard) Square Edge (optional)	
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	
Top Channel	16 Gauge (0.053 min) Inverted (standard), flush (optional), water tight seal (optional) Projection Welded	
Bottom Channel	16 Gauge (0.053 min) Inverted (standard), flush (optional) Projection Welded Weep Hole Provided	
STC Rating	STC 33-47 Consult Tech 403 for Additional Data	
Fire Rating	Up To 3-Hour (consult label section) Maximum Size: 4'-0" X 10'-0" Nominal UL 10C, UL 9, UL 1784	
Thermal Values	Flush 18 Gauge Door - R-Value = 1.75, U-Factor = 0.57 Flush 16 Gauge Door - R-Value = 1.71, U-Factor = 0.58 Flush 14 Gauge Door - R-Value = 1.78, U-Factor = 0.56 ASTM C1363, ASTM E1423, ASTM EC1199, SDI 113	
Warranty	One Year (365 days) from the date of delivery	
Endurance	ANSI A250.4 Test Procedure & Acceptance Criteria for Steel Doors & Frames Tested by Intertek Testing Services - Report #3195456MID-002 Passed for Level A - One Million Cycles	
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)

