

Technical Data Series

Tech 406 Stainless Steel



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Technical Data

Stainless Steel

Tech 406

Standards	ASTM A666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar	
	HMMA 867 Laminated Core Hollow Metal Door	
Size	Maximum Door Size: 5'-0" X 10'-0" Nominal Maximum Frame Size: 10'-0" x 10'-0" Overall	
Door 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 Rigid Pre-Formed Closed Cell Polystyrene Board 1 lb PCF Density Minimum, Conforms to ASTM C578, Type 1 Core U-Factor = 0.156, R-Value = 6.4	
Door Face Gauge Options	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)	
Door Edge Seam	Open Seam (Optional) - ANSI A250.8/SDI 100 Model 1	
Door Edge Type	Bevel Hinge & Lock Edge - 1/8" over 2" (Standard) Square Edge (optional)	
Frame Gauge Options	14 Gauge (0.067 min)	
Material Type	Type 304 (18% Chromium & 8% Nickel) - most versatile and widely used of the austenitic stainless steels. Type 316 (16% Chromium, 10% Nickel, & 2% Molybdenum) - greater resistance to chemical corrosion due to the added Molybdenum.	
Finish Type	#4 Satin Finish	
Fire Rating	Up To 3-Hour (consult label section) Maximum Size: 4'-0" X 10'-0" Nominal UL 10C, UL 9, UL 1784	
Warranty	One Year (365 days) from the date of delivery	
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)

