

Technical Data Series

Tech 406 Stainless Steel



MPI
CUSTOM STEEL DOORS & FRAMES

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Technical Data

Stainless Steel

Tech 406

ASTM A666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar

Standards

HMMA 867 Laminated Core Hollow Metal Door

HMMA 861 Vertically Steel Stiffened 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

16 Gauge (0.053 min) - ANSI A250.8/SDI 100 Level 3 (Heavy Duty)

Gauge Options

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)

