



Hollow Metal Door & Frame Catalog

CHARLOTTE, NC · IMPUSA.COM · EDITION 2026



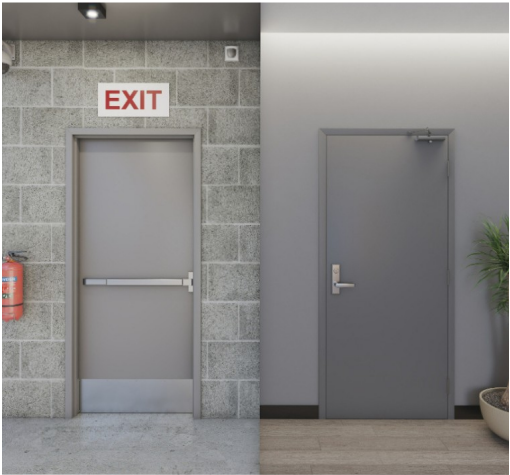
IMPERIAL USA

Company Profile

Imperial USA is a leading manufacturer of Hollow Metal Doors, Frames, and Commercial Hardware located in Charlotte, NC.

Our company has proudly served the door and hardware industry for over 30 years, building a reputation for delivering high-quality products on demand and with industry-leading turnaround times.

Our commitment to inventory is unmatched. We have thousands of doors and frames ready to ship to your facility, or to your customer's jobsite. At the same time, our factory is poised to meet your special-order requests for unique openings and high-volume projects.



Thousands

Doors & frames in stock, ready to ship

30+

Years serving the door & hardware industry

Direct

Manufacturer-direct to U.S., North America & Caribbean





HOLLOW METAL DOOR & FRAME CATALOG

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WHY IMPERIAL

The Benefits of Imperial Doors and Frames

SERVICE

- Dedicated employee sales / customer service teams
- Vast logistics experience to save time and money
- Fast turnaround on quotes, speedy fulfillment
- Online customer portal for quotes and orders
- We maintain a massive, fully stocked warehouse of doors, frames, and hardware to meet your project needs.
- Specialized door modifications and welding available on demand
- An experienced estimating team to handle any sized project

MATERIAL

- Made with A40 galvanized steel (A60 & G90 available)
- Door edge with continuous interlock seam design by state-of-the-art robotic laser welding
- Doors primed with gray water-based primer
- Masonry, Drywall, and Adjustable Frames in Stock
- Frame material is treated with smooth powder coated finish

COMPLIANCE

ANSI**ASTM****SDI****UL**

ASTM A653 / A653M · ASTM A240 / A240M. Manufactured to the requirements of the industry's governing standards bodies.

Florida Building Code (FBC) · Miami-Dade NOA. Hurricane-rated product approvals available.

FIRE RATING

Our products comply with the following standards:

Up to 3-hour fire rating.

UL 10C**NFPA 252****NFPA 80**



IMPERIAL SERIES · HOLLOW METAL DOOR

HM-18GPF-SC-3070C

REPRESENTATIVE PART NUMBER

Specifications

A single-sheet technical reference for the Imperial Series hollow metal door

DESCRIPTION

Size	3070 (default)
Profile thickness	1-3/4"
Prefit	Square edge, non-handed, undersized 1/4" width and 7/8" height; flush or reversible
Door clearance	1/8" top · 3/4" bottom · 3/32" hinge edge · 1/8" lock edge
Door weight	83.78 lbs (38.00 Kgs) / Pc — standard hollow metal door

CONSTRUCTION

Surface material	18-gauge A40 galvanized steel (G90 and stainless optional); zinc-phosphate cold-rolled steel panels
Core	High-performance polystyrene (default); honeycomb available
Vertical edges	Interlocking seam, continuously welded
Top channel	16 ga flush
Bottom channel	16 ga inverted (3/4" weep holes)
Hinge reinf.	7 ga, 4-1/2" or 4"
Lock reinf.	161 cylindrical lock prep (C) · 86 mortise edge prep (M) · rim panic device prep (BR)
Closer reinf.	12 ga, 6" × 17"
Dust cover	20 ga; reversible hinge shim with dust cover
Machining	Custom sizes and modifications available
Factory finish	Gray water-based primer

PERFORMANCE & COMPLIANCE

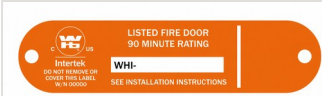
Labeling	UL 10B / UL 10C · NFPA 252 / NFPA 80
WH listing	WH (Intertek / Warnock Hersey) 180-minute · Positive Pressure · "S" smoke label
Fire rating	Up to 3 hours
Quality standards	ASTM · SGCC · ISO · UL · WH · NFRC · SDI · ANSI
Approvals	Florida Building Code (FBC) · Miami-Dade NOA
Acoustic rating	STC 35



Imperial Series flush door · factory primed

PREPS & CUTOUTS

Lock & lite cutouts	Standard locations; custom available
Lite kits, glass & louvers	Standard-size lite kits and glass, rated and non-rated; metal louvers for rated and non-rated doors; special order and custom available
Strike prep	4-7/8" universal
Silencer prep	9/32"



Representative label shown. Fire labels are applied to rated assemblies only and reflect the specific tested configuration.



IMPERIAL SERIES · EMBOSSED

The Imperial Embossed Door

Commercial-grade hollow metal door with an embossed raised-panel face for a more architectural appearance, giving the strength of steel with the look of a traditional panel door. Ships factory-primed, ready for finish paint in the field.

- **Deep-drawn embossed panels** with crisp architectural detail formed into the steel face itself.
- **A40 galvanized face sheets** resist rust in interior and exterior applications.
- **Insulated polystyrene core** adds thermal and sound performance; honeycomb core available.
- **Factory hinge preparation** matched to Ceco, Curries, Mesker, Pioneer, or Steelcraft locations.
- **Non-handed and reversible**, with a factory-applied prime coat.

TECHNICAL SPECIFICATIONS

ATTRIBUTE	SPECIFICATION	ATTRIBUTE	SPECIFICATION
Face Material	A40 Galvanized Steel	Core	Polystyrene · Honeycomb
Gauge	18 Ga. · 16 Ga.	Thickness	1-3/4"
Face Profiles	6-Panel Raised · 2-Panel Raised	Sizes	Widths 2'0" – 4'0" · Heights 6'8", 7'0", 8'0"
Hinge Locations	Ceco · Curries · Mesker · Pioneer · Steelcraft	Lock Preps	161 Cylindrical · 86 Mortise · Blank Panic Reinf.
Finish	Factory Primed	Handing	Non-handed / Reversible

HOW TO SPECIFY

Example: **HM-18GP6P-SC-3070C** — 3'0" × 7'0" 6-panel embossed door, 18-gauge, polystyrene core, Steelcraft hinge locations, 161 cylindrical prep.

1-800-256-7377
www.impusa.com

DOOR CONFIGURATIONS

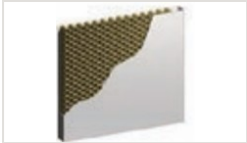
Every door, built to spec.

Every Imperial door is configurable across gauge, core, and face profile. Stock or special order, same construction standard.

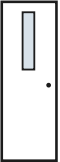
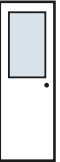
GAUGES

16 GA Heavy-duty commercial & institutional openings	18 GA STANDARD Most stock commercial doors & frames	20 GA Light-duty interior openings	14 GA High-impact & security applications	12 GA Maximum strength, special order
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CORE OPTIONS

 Polystyrene STANDARD Insulated core for thermal and sound control on most openings.	 Honeycomb Kraft-paper lattice for economical, lightweight interior doors.	 Polyurethane Foamed-in core with high R-value for exterior thermal control.	 Steel Stiffened Vertical steel ribs for maximum rigidity in high-abuse doors.
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DOOR TYPE ELEVATIONS

DOOR TYPE										
	Flush	6-Panel	2-Panel	Narrow Lite	Half Glass	Vision Lite	Louver	Lite + Louver	Full Lite Kit	Door + Sidelite



DOOR CONFIGURATIONS

Hinge location standards.

Every Imperial door is prepped to a manufacturer hinge template, so hardware lands in the same place every time. Steelcraft is the stocking default; Curries, Mesker, Pioneer, and CECO templates are available. The template is called out by a two-letter code in the door part number.

HINGE TEMPLATES

SC Steelcraft STOCKING DEFAULT	CU Curries Available	ME Mesker Available	PI Pioneer Available	CE CECO Available
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HOW TO SPECIFY

SPECIFYING HINGE LOCATIONS

- Steelcraft (sc) are the default locations for most widths and heights.
- Ceco, Curries, Mesker, and Pioneer locations are available on demand. Other manufacturer locations and custom hinge placements are special order.
- The two-letter code sets the hinge segment of the door part number.

IN THE PART NUMBER

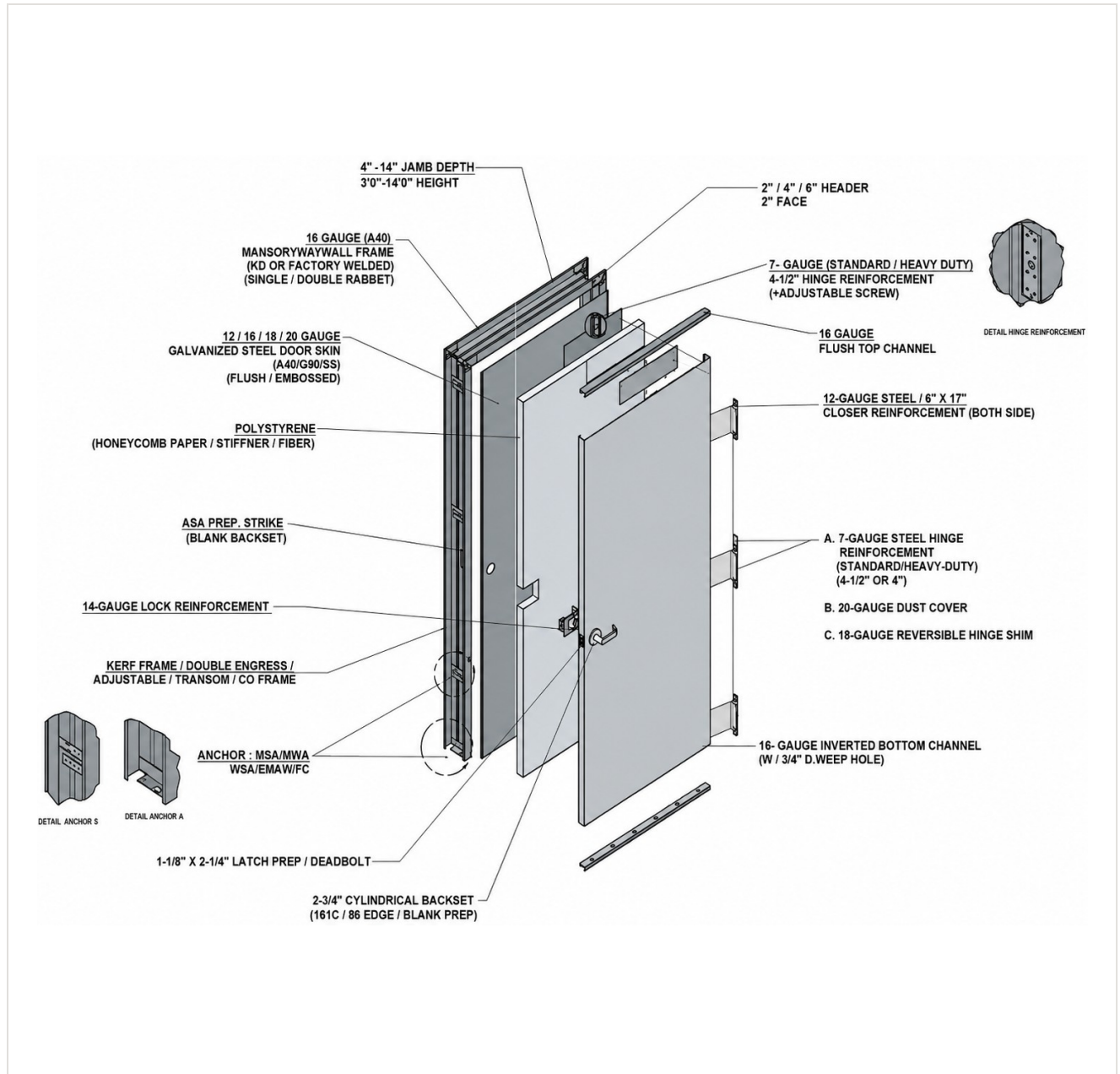
HM-18GPF-SC-3070C
The **SC** segment specifies Steelcraft hinge locations. Swap to CU, ME, PI, or CE to call out an alternate template.

Non-standard hinge spacing and additional reinforcement available on request. Contact your Imperial representative.

EXPLODED VIEW · DOOR ASSEMBLY

Reinforced at every stress point.

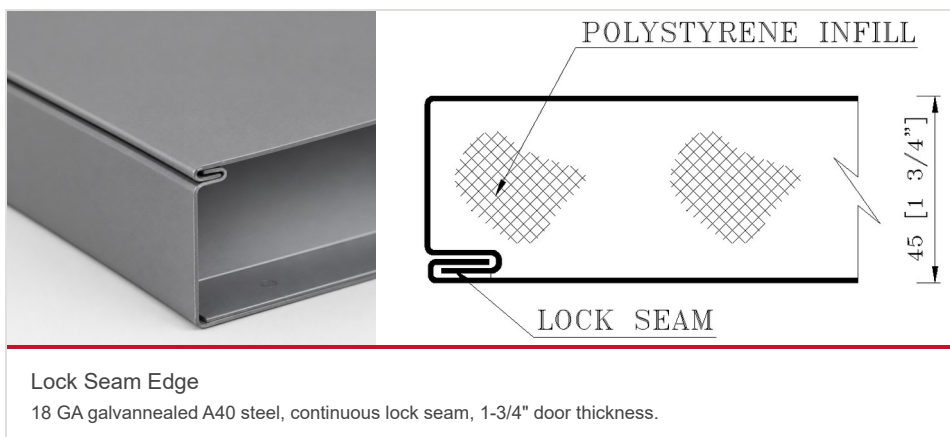
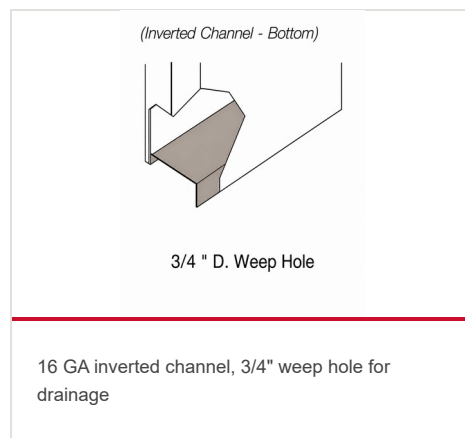
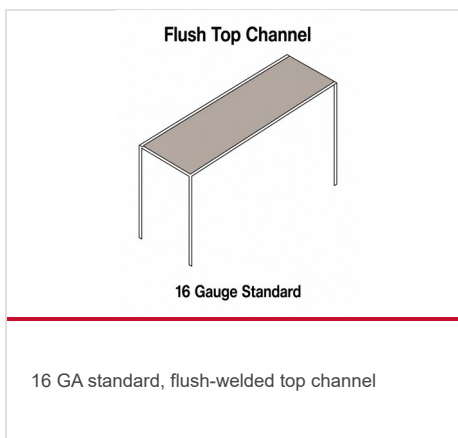
An exploded view of the Imperial hollow metal door and frame, with every skin, channel, core, and hardware reinforcement shown in assembly order, with each callout kept legible at full scale.



SPECIFICATIONS · CONSTRUCTION DETAIL

Built component by component.

Anatomy of an Imperial Door



- **Continuous interlock seam** edge, robotic laser welded.
- **Insulated polystyrene core** for thermal & sound performance.
- **Inverted bottom channel** with 3/4" weep holes.

Hardware reinforcements are projection welded. Contact your Imperial representative for additional details.



HARDWARE PREP

Hardware reinforcements.



Hinge reinforcement

7 GA (0.167") flat



161 Cylindrical Lock Prep

16 GA face · 18 GA spacer



86 Mortise Edge Prep

12 GA front · 16 GA box



Flushbolt Prep

Flush bolt reinforcement

12 GA tabs



RPD Rim Panic Prep

Rim panic device reinforcement

1-3/4" door thickness

FRAME CONSTRUCTION OVERVIEW

One construction standard, three frame types.

Every Imperial frame is brake-press formed from galvanized steel and reinforced at every prep before it ships. The construction specs below apply across all frame types: Drywall, Masonry, and Adjustable.



CONSTRUCTION

- Brake-press formed · 16 GA standard · 14 GA & 12 GA available
- A40 galvanized standard · A60 galvanized & G90 galvanized optional
- Powder coat finish standard
- Unequal rabbet (standard) · Equal rabbet & Single rabbet optional

REINFORCEMENT & ANCHORING

- 7 GA hinge reinforcement, heavy-duty
- 14 GA projection welds
- One-piece strike reinforcement
- Floor anchors standard · wide range of anchor options available
- 9/32" silencer holes & pre-punched fire label holes

— THREE FRAME TYPES

DF

Drywall

Wrap-around for stud partitions, compression-fit with no site welding.

DETAIL · PAGE 13

MF

Masonry

Welded or K.D. for block walls, grout-filled solid and rigid.

DETAIL · PAGE 14

ADJ

Adjustable

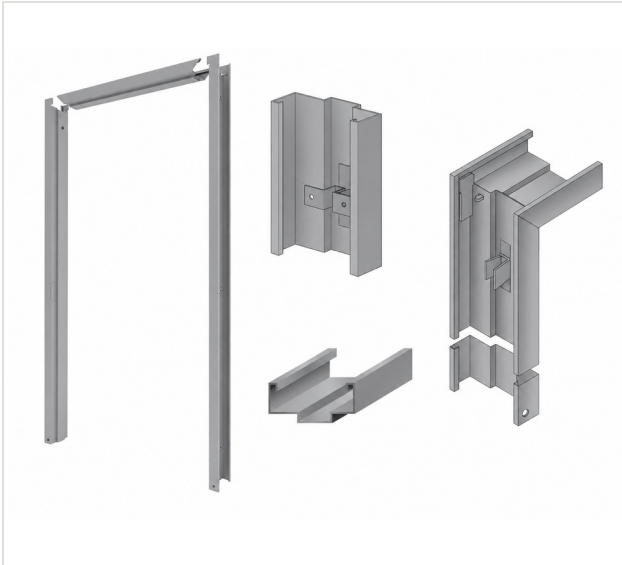
Telescoping throat for variable wall thickness, retrofit-ready.

DETAIL · PAGE 15

FRAME TYPE · DRYWALL (DF)

The drywall frame, detailed.

Knock-down 16-gauge wrap-around frame that slips over a finished stud partition, compression-fit with no site welding. Every reinforcement is factory-installed.



FEATURES & ANCHORING

- 1

Knock-Down (K.D.) corners
Mitered, exact-fit; assemble on site without welding.
- 2

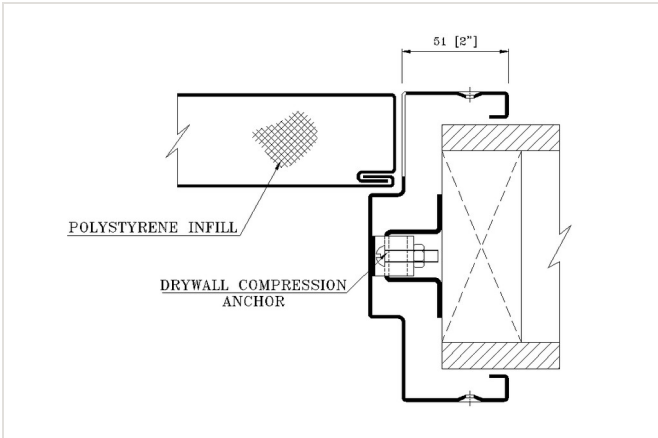
Wrap-around throat
Slips over a finished stud + gypsum board partition.
- 3

Compression anchors
Wedge tight to the stud; no exposed fasteners.
- 4

7 GA hinge reinforcement
Factory-welded 4-1/2" hinge template.
- 5

12 GA strike reinforcement
Accepts ANSI strike & dead-latch prep.
- 6

Silencer + fire label holes
Pre-punched; ready for rated openings.



FRAME PROFILE · DF

Unequal rabbet

2" face · 5/8" stop ·
Wrap-around throat equals the finished wall thickness.

SPECIFICATIONS · DF

GAUGE 16 GA std · 14 GA opt	STEEL A40 galvannealed	CORNERS K.D. mitered	RABBET Unequal · 2" face	FIRE RATING Up to 90 min
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SPECIFIED FOR Interior stud & gypsum partitions: offices, tenant build-outs, and fast-track openings where a clean, weld-free install is the priority. Ships flat and assembles in minutes with no field welding or finishing.

FRAME TYPE · MASONRY (MF)

The masonry frame, detailed.

16-gauge frame for block and poured masonry walls, fully welded or knock-down. Set before or after the wall and grout-filled solid for a rigid, secure opening.



FEATURES & ANCHORING

- 1

Welded or K.D. corners
Fully welded for rigidity, or knock-down for shipping.
- 2

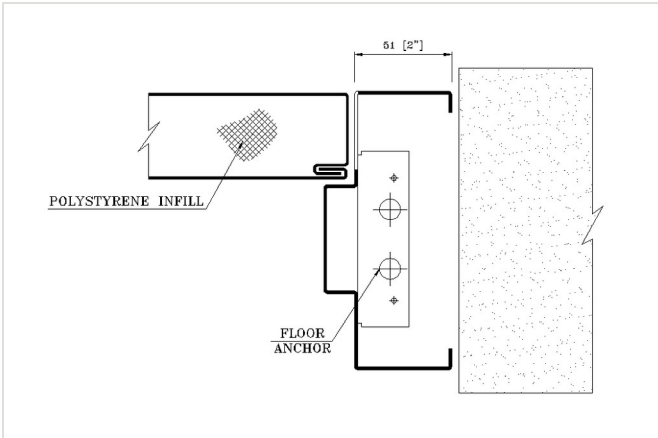
Base / strap anchors / Wire and T available
Tie into block coursing or poured concrete.
- 3

Grout / mortar guards
Protect hardware preps during the fill.
- 4

7 GA hinge reinforcement
Factory-welded 4-1/2" hinge template.
- 5

12 GA strike reinforcement
Accepts ANSI strike & dead-latch prep.
- 6

Floor anchors + label holes
Anchor to slab; pre-punched fire label holes.



FRAME PROFILE · MF

Unequal rabbet
2" face · welded throat ·
Supplied with base anchor & standard strap anchor.

SPECIFICATIONS · MF

GAUGE 16 GA std · 14/12 GA opt	STEEL A40 galvannealed	CORNERS Welded or K.D.	RABBET Unequal	FIRE RATING Up to 3 hr
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SPECIFIED FOR Block and poured masonry walls: stairwells, corridors, exterior entries, and high-abuse openings that demand maximum rigidity and security. Grout-filled solid, it anchors into the coursing for a permanent, tamper-resistant opening.



FRAME TYPE · ADJUSTABLE (ADJ)

The adjustable frame, detailed.

Two-piece 16-gauge frame with a telescoping throat that adjusts to variable wall thickness, ideal for retrofit and partitions of uncertain depth.



FEATURES & ANCHORING

- 1

Two-piece telescoping body
Front + rear sections slide to suit wall thickness.
- 2

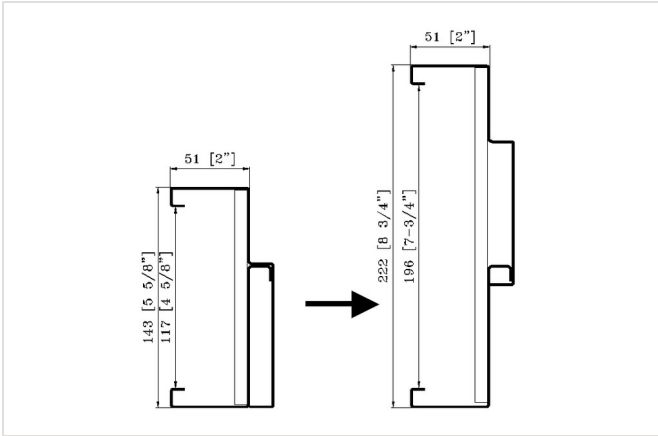
Adjustable throat
Adjustable frames to cover 4-5/8" to 7-3/4" opening. Adjustable frame outside width 5-5/8" to 8-3/4".
- 3

Snap-together / screw assembly
Knock-down install, no welding required.
- 4

Retrofit-ready
Installs over existing finished openings.
- 5

7 GA hinge reinforcement
Factory-welded 4-1/2" hinge template.
- 6

12 GA strike + label holes
ANSI strike prep; pre-punched fire label holes.



FRAME PROFILE · ADJ

Two-piece telescoping

Front and rear profiles overlap and lock; throat adjusts across a range of wall thicknesses.

SPECIFICATIONS · ADJ

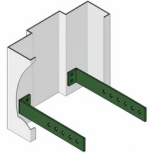
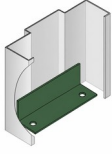
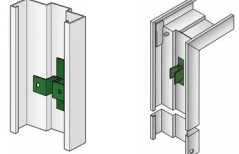
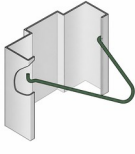
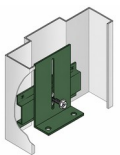
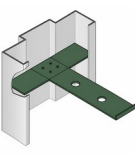
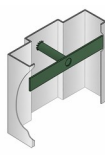
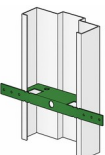
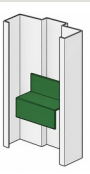
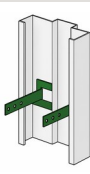
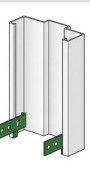
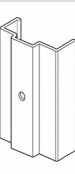
GAUGE	STEEL	BODY	RABBET	FIRE RATING
16 GA std · 14 GA opt	A40 galvanized	2-piece telescoping	Double	Up to 90 min

SPECIFIED FOR Remodels and retrofits: installs over existing finished openings and field-adjusts to variable or unknown wall thickness, so a single frame covers a range of partitions without re-measuring or re-ordering.



FRAME ANCHOR DETAILS

Anchors for every wall condition.

			
Standard Strap Anchor Flat steel strap welded to frame back and embedded in masonry or screwed to metal studs. Standard on Drywall & Masonry Frames	Base Anchor Steel clips that attach the bottom of the frame to the floor or substrate. Standard on Masonry Frames	Compression Anchor Spring loaded clip to provide continuous outward pressure against the stud wall or opening. Standard friction fit on Drywall Frames	Wire Anchor Adjustable wire loop anchor for masonry walls, block or brick.
			
Base Adjustable Vertical adjustment for uneven floor conditions. Precise leveling after frame is set.	Masonry "T" Anchor T-shaped profile embedded in masonry mortar joints for greater pull-out resistance.	Masonry Pipe Sleeve Pipe sleeved through frame into masonry. Bolt tightens frame against solid masonry or concrete.	Multipurpose Anchor Single anchor design for masonry, drywall, and wood stud walls. Reduces specification complexity.
			
Steel Stud Clip-style attachment for metal stud wall framing. Screw or weld to stud.	Wood Stud Screw attachment into wood studs for wood-framed drywall partition installations.	Base Clips Small clip anchors at frame base, field-adjustable for various floor conditions.	Punch & Dimple Factory-punched hole with countersink dimple for flush fastener head into wall structure.

FOR OUR STOCK FRAMES

Masonry frames are supplied with strap anchors along the jambs (2 per jamb for 6'8" and 7'-0" frames, and 3 per jamb for 8'-0" frames). They also include non-adjustable floor anchor. Dimples are available upon request.

Drywall frames are supplied with compression anchors (1 per jamb), two strap anchors, and countersunk holes at the bottom of the jambs to allow anchoring from the face of the frame.

ACCESSORIES & UPGRADES

Vision lites & louvers.

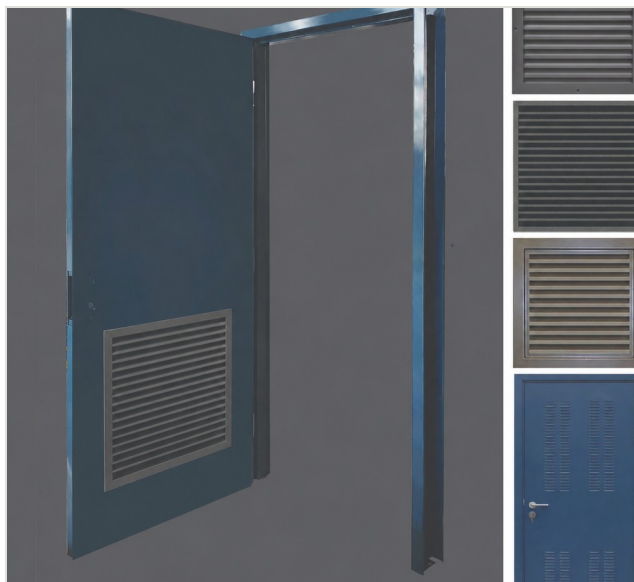
Factory-installed and finished in-house before shipping. All standard doors accept these options; special orders available. Contact us for lead times.



VISION LITE KITS

- Standard sizes 6"×27" to 24"×60"
- Stock sizes: 7"×22", 12"×12", 24"×60" (other sizes special order)
- Beveled steel trim, screw-fixed for serviceable glass
- Tempered glass; fire-rated glazing available
- Factory-installed, flush-glazed both faces

Part suffix · **-VL**



STEEL LOUVERS

- Standard sizes 18"×18", 24"×12", 24"×24"
- Additional sizes available
- Inverted Y-blade, sightproof and drainable
- Powder-coat finish to match door
- Insect/fusible-link options available

Part suffix · **-LV**

ACCESSORIES & UPGRADES

Weatherstripping, Accessories, & Upgrades.

Weatherproofing and non-standard openings, supplied factory-prepped or loose. Custom configurations available on request. Contact your Imperial representative.



WEATHERSTRIPPING, SWEEPS & THRESHOLDS

- Silicone bulb weatherstrip: UL 3-hr fire rated, -58°F to 450°F
- Aluminum perimeter gasket: 6063-T5 retainer + neoprene bulb, UL 10B/10C
- 5" flat saddle threshold: aluminum, ADA / wheelchair accessible
- Saddle threshold with vinyl bumper: for exit-device openings
- Surface-mount & rain-drip door sweeps
- Automatic door bottom & fire/smoke-rated combination door shoe

Check our Flat Goods Catalog on the website for full specs & finishes.



SPECIAL SIZES & CONFIGURATIONS

- Widths 2'0"—4'0", heights to 10'0"
- Sidelite & transom frames
- Double-egress configurations on request
- Custom preps to hardware schedule

By request · contact us for lead times.



ONE STRING. THE WHOLE SPECIFICATION.

How to read an Imperial part number.

Every Imperial part number encodes the full specification of a door or frame in one string. Each segment names a single dimension: material, gauge, core, face, hinge standard, size, and prep.

DOOR PART NUMBER

HM-18GPF-SC-3070C

3'-0" × 7'-0", 18-gauge, polystyrene-filled, flush face, Steelcraft hinge locations, 161 cylindrical lock prep.

HM		18G		P		F		SC		3070		C	
MATERIAL		GAUGE		CORE		FACE		HINGE		SIZE		PREP	
HM	Hollow metal	18G	18 ga	P	Polystyrene	F	Flush	SC	Steelcraft	3070	3'0"×7'0"	C	161 Cyl.
		16G	16 ga	H	Honeycomb	6P	6-panel	CU	Curries	3068	3'0"×6'8"	M	86 Mortise
		14G	14 ga			2P	2-panel	ME	Mesker	WWHH	W × H	BR	Rim panic
								PI	Pioneer				
								CE	CECO				

SEGMENT	CODE	MEANING
Material	HM	Hollow metal
Gauge	18G	18 gauge A40 galvanized steel
Core	P	Polystyrene (H = honeycomb)
Face	F / 6P / 2P	Flush, 6-panel raised, 2-panel raised
Hinge	SC	Steelcraft standard locations
Size	3070	3'-0" wide × 7'-0" high
Prep	C / M / BR	161 cylindrical, 86 mortise, rim panic



BUILD A FRAME PART NUMBER

Two formats — jamb, and header.

HINGE / STRIKE JAMBS

HM	16	MF	SC	HJ	70	LH	775
MATERIAL	GAUGE	TYPE MF / DF	HINGE	JAMB HJ / SJ	HEIGHT	HAND LH / RH	DEPTH ADJ (DF only)

HM-16MF-SC-HJ-70-LH-775 — 16-gauge masonry hinge jamb, 7'-0" height, left-hand, 7-3/4" jamb depth.

HEADERS

HM	16	MF	SH	30	775
MATERIAL	GAUGE	TYPE MF / DF	HEADER SH / DH	WIDTH	DEPTH

HM-16MF-SH-30-775 — 16-gauge masonry single header, 3'-0" width, 7-3/4" jamb depth.

JAMB DEPTH CODES

- 575 — 5-3/4"
- 5625 — 5-5/8"
- 5875 — 5-7/8"
- 625 — 6-1/4"
- 675 — 6-3/4"
- 725 — 7-1/4"
- 775 — 7-3/4"
- 825 — 8-1/4"
- 875 — 8-3/4"
- Adjustable — ADJ (Drywall only)

TYPE & JAMB CODES

- **MF** Masonry Frame
- **HJ / SJ** Hinge / Strike Jamb
- **DF** Drywall Frame
- **SH / DH** Single / Double Header



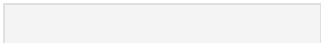
FINISHES · HANDING

Finishes & door handing.

FINISH · RAL PALETTE

Standard color is **RAL 7016 Anthracite Grey**, factory-applied over a gray prime coat. Other factory-applied RAL color finishes available on request.

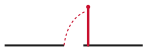
REPRESENTATIVE COLORS, FULL RAL RANGE AVAILABLE ON REQUEST

 7016 Anthracite Grey STANDARD	 7001 Silver Grey	 9005 Jet Black	 9003 Signal White
 5011 Steel Blue	 8001 Ochre Brown	 3009 Oxide Red	 6005 Moss Green
 7042 Traffic Grey			

DOOR HANDING

Determined from the outside (key side). The hand is named for the side the hinges are on as you face the door from outside.

SINGLE DOOR HANDING

 Right Hand (RH) Hinge right · Swings in	 Left Hand (LH) Hinge left · Swings in	 RH Reverse (RHRB) Hinge right · Swings out	 LH Reverse (LHRB) Hinge left · Swings out
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DOUBLE DOOR HANDING

 LH Active Pair swings in · Left active	 RH Active Pair swings in · Right active	 LHRB Active Pair swings out · Left active	 RHRB Active Pair swings out · Right active
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SPECIAL CONFIGURATIONS

 Double Egress Leaves swing opposite directions	 Communicating Pair in a communicating frame
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One supplier. Every opening.

EDITION 2026 · 1535 ELIZABETH AVE #201, CHARLOTTE, NC 28204

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Manufacturer-direct hollow metal doors, frames & commercial hardware.

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PHONE

704.596.2444

TOLL FREE

1.800.CLOSERS

(256.7377)

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