



Commercial Product Line

Quality People. Quality Products.



We value our customers and manufacture our garage doors with the highest quality workmanship and raw materials.

Our method is simple. We hire quality people driven to produce quality products. We don't just say it - we do it. Together, we find innovative ways to solve problems and continuously improve while working smarter and safer. Our people take pride in their work and strive to provide the highest quality of product and service day in and day out. That's the Haas Door Difference.

As you read forward, allow us to open a door to endless possibilities for you!

haasdoor.com



All U-Factors shown are based on testing solid doors. Adding lites will affect the tested U-Factor.

More info on page 36-37.



Create your garage door, view it on your building and receive a quote at haascreate.com.

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Quality & Environmental	



























Commitment





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COMMERCIAL 9000 SERIES

25/8" or 2" Thick



9200 - 2" base door & 5/8" overlay 9600 - 13/8" base door & 5/8" overlay

Timeless Beauty.

We've taken the elegance of the original handcrafted wooden carriage house doors and the detail of the wrought iron hardware to produce a classic style made with modern technology and materials.

Backed by a Lifetime Limited Warranty, American Tradition™ 9000 series doors are the ideal choice to add the classic look of a genuine carriage house door.

Single Door Designs



9221/9621 Plain

9231/9631 Arch

9232/9632 Arch

9240/9640 Plain

9250/9650 Arch



9241/9641 Plain



Double Door Designs



9220/9620 Plain (9230/9630 Arch)



9221/9621 Plain (9231/9631 Arch)

9222/9622 Plain (9232/9632 Arch)

9240/9640 Plain (9250/9650 Arch)

9241/9641 Plain (9251/9651 Arch)



9242/9642 Plain (9252/9652 Arch)

2"

Solid Base & Overlay Colors



Wood Grain Base & Overlay Colors

Carbon Black**





Color Note: Wood grain overlays are handcrafted and can vary slightly in color like real wood.

Graywood

All color combinations are available to mix and match base and overlay colors. Due to the

9000 OUICK GUIDE

	7000 QUICK GOIDE														
	Maralal	Door	Tested	Max. Do	oor Size	Section Skins									
	Model	Thickness	U-Factor	Width	Height	Inside	Outside								
*	9200 models	2 ⁵ /8" (66.7mm)	0.081	20'-2"	16'-0"	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel								
*	9600 models	2" (50.8mm)	0.096	18′-2″	16′-0″	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel								

Window Designs Windows available in top 2 sections



Glazed 3-Pane















Glazed Arch 6-Pane*

Glazed Arch 8-Pane*

A Full Thermal Break is used in the tongue-andgroove construction of all 9000 series doors. This rigid vinyl extrusion seals the joints and eliminates metalto-metal contact, which limits the transfer of temperature.

9200 and 9600 series doors exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/ flexible vinyl door stop. 9200 includes air infiltration bulb seal between sections.

Glazed Arch

Glass Options

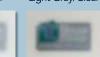
Insulated - 1/2" tempered (optional)







Clear/Clear Light Gray/Clear



Bronze

Light Gray/Frosted Dark Gray/Frosted







Clear/Low-E

Clear/Solarban 70 Dark Gray/Dark Gray

Non-Insulated - 1/8" tempered (standard)







Dark Gray



Frosted

Clear Lexan

Impact Polycarbonate - (UV rating on Clear only)







Pebble



9000 Series Available Options

2" or 3" Track Exhaust Port(s) Chain Hoist Ω Operators

High Cycle Springs Glazing (lites) Cam Safety Device High Cycle Rollers Spring Bumpers Keyed Lock Wind Load & Impact



* Arched pane window options are not available in the following sizes: 9'-8" through 10'-7"

Solid Arch

^{14&#}x27;-0" through 15'-7" 18'-4" through 20'-2"





COMMERCIAL ALUMINUM SERIES

13/4" Thick

CA-320 / CA-315 / CA-110

Clean Lines.

Haas CA-320, CA-315 and CA-110
Aluminum Sectional Doors are strong,
durable, and elegant. A versatile product
combining aluminum rails and stiles
provides a strong-profiled frame structure
with aluminum panels and a wide range
of glazing choices. This is the ideal
application for service stations, quick
lube facilities, automobile dealerships,
restaurants and other business where
strength, appearance and corrosion
resistance are key factors.



Insulated Option



Commerical Aluminum QUICK GUIDE

Model	Glazing Thickness		oor Size	IVIGA	Top Rail	Center Stile	Meeting Rail	Bottom Rail	Color Options	Section Joint	Panel & Glazing Types						
CA-110	1/8" & 3/16"	16'-2"	14'-0"	226 Sq				3" Standard up to 13' 2" wide; then	Clear Anodized,		Polystyrene & Aluminum Laminated						
	& 3/16			Ft	3" Standard; Upgradeable to 4" or 6"	1"	2"	4" Standard; Upgradeable to 4" or 6"	Black Anodized, Dark Bronze	Shiplap	Panels Various Types						
CA-110i *	1/4" & 1/2"	12'-2"	10′-0″	102 Sq Ft				3" Standard Upgradeable to 4" or 6"	Anodized & Polar White		& Thicknesses of Glazing						
CA-315	1/8" & 3/16"	16'-2"	16'-0"	258 Sq	4" Standard; Upgradeable	1"	4"	4" Standard Upgradeable	Anodized & Painted Colors	Tongue & Groove with Bulb Seal	Polystyrene & Aluminum Laminated Panels						
CA-315i *	1/4" & 1/2"			Ft	to 6"			to 6"	(no Wood Grains)	meets IECC air infiltration reqmts	Various Types & Thicknesses of Glazing						
CA-320	1/8" & 3/16"	28'-2"	20'-0"		4" Standard			4" Standard		Tongue	Polystyrene & Aluminum Laminated						
CA-320i *	1/4"	001.011	001.011	20/ 2//	00/ 0//	00/ 0//	20/ 2//	00/ 0"	4/10/1	500 Sq Ft	up to 16'2" wide; then 6" Standard;		4"	up to 16' 2" wide; then 6" Standard;		& Groove with	Panels Various Types
CA-320ix **	& 1/2"	20′-2″	16′-0″		Upgradeable to 6"	2"		Upgradeable to 6"	All Colors	Bulb Seal meets IECC air infiltration	& Thicknesses of Glazing						
CA-320i Impact*	1/4"	16′-2″	16′-0″	258 Sq Ft	6" Standard			6" Standard		reqmts	Various Glazings, No Solid Panels						

- *- The i on the series name indicates it is a heavier glass/glazing option 1/4" or 1/2".
- ** The x on the series name indicates rails and stiles are insulated with polystyrene.

(\(\) CA Available Options

2" or 3" Track High Cycle Rollers Exhaust Port(s) Chain Hoist Cam Safety Device Operators Top Header Seal Spring Bumpers High Cycle Springs Car Wash Cutout Insulated Rails and Security Bars

Stiles (320ix only)

Pass Door (320 & 320i only)

Pass Door (exterior view)



(Only available on CA-320/CA-320i in all colors options, except wood grains Door trim color is only available in clear anodized. Convenience only, not a legal exit, or ADA compliant.)

Optional Exhaust Port (interior view)



CA-110 Narrow Line Frame

The CA-110 and CA-110i sections are assembled using .045" minimum aluminum alloy tubular type extrusions with thru-bolt construction. Sections are 1-3/4" thick. Any Section height is available. Bottom rails are 3" on doors up to 13'-2" wide. Doors greater than 13'-2" wide have 4" bottom rails. Top and bottom rails are upgradeable to 4" or 6".

CA-110i at 8'3" wide and wider and CA-110 at 12'3" and wider, have built-in struts on each section. Dependent on the width size, E struts or cap struts may be included. All aluminum is clear anodized as standard. Panels for solid sections are .040" stucco embossed or .050" smooth aluminum. A wide variety of glazing materials are available.

CA-315 Larger Glass with Heavy **Duty Outer Frame**

The CA-315 & CA-315i sections are assembled using .045" minimum aluminum alloy tubular type extrusions with thru-bolt construction. Sections are 1-3/4" thick. Any section height is available. Tongue & Groove section joints with bulb seal meets IECC Air Infiltration requirements. Bottom rails, top rails, and end stiles are 4". Top and bottom rails are upgradeable to 6".

CA-315i at 8'3" and CA-315 at 12'3" and wider, have built-in struts on each section. Dependent on the width size, E struts or cap struts may be included. All aluminum is clear anodized as standard. Panels for solid sections are .040" stucco embossed or .050" smooth aluminum. A wide variety of glazing materials are available.

CA-320 Heavy Duty Frame

CA-320, CA-320i and CA-320ix sections are assembled using .045" minimum aluminum alloy tubular type extrusions with thru-bolt construction. Sections are 1-3/4" thick. Any section height is available. Tongue & Groove section joints with bulb seal meets IECC Air Infiltration requirements. Bottom rails, top rails, and end stiles are 4" up to 16'2" wide, then change to 6". Top and bottom rails are upgradeable to 6".

CA-320i at 8'3" and wider, and the CA-320 at 12'3" and wider, have built-in struts on each section. Dependent on the width, E struts, cap struts, and support braces may

be included. All aluminum is clear anodized as standard. Panels for solid sections are .040" stucco embossed or .050" smooth aluminum. A wide variety of glazing materials are available. Optional insulated rails and stiles add thermal performance.

Standard **Powder Coated Anodized Wood Grain** Colors Colors Clear Anodized



National Oak

Knotty Pine

Colony Maple

European Cherry

Antique Cherry

Heritage Maple

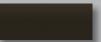
Cherry with Flame

National Cherry

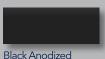
Spiced Walnut

Coffee

American Douglas



Dark Bronze Anodized





Polar White

Almond

Sahara Tan

Sandstone

Espresso



Brown

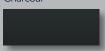


Painted Bronze



Charcoal





Painted Black

Custom-matched color and powder coating are also available. Matching solid panels also available for all colors. Not all colors are available for all models, see Quick Guide on page 8. Due to the printing process, colors may vary. For an accurate color match, contact your Haas Door dealer.





COMMERCIAL 5000 SERIES

3", 2" or 1³/₄" Thick



5814 / 5816 / 5870 / 5880 5210 / 5212 / 5214 / 5216 / 5267 / 5268 /

5270 / 5278 / 5280 / 5287

5710 / 5712 / 5714 / 5716 / 5767 / 5768 /

5770 / 5778 / 5780 / 5787

Natural Advantages for Unique Performance.

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		Door	Tested	Max. D	oor Size	End Stile	Secti	ion Skins		
	Model	Thickness	U-Factor	Width	Height	Туре	Inside	Outside		
E	5814	3" (76.2mm)	0.089	21′-2″	28′-0″	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum		
	5816	3" (76.2mm)	0.089	21′-2″	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum		
É	5870	3" (76.2mm)	0.089	21′-2″	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Ranch Panel Stucco Aluminum		
É	5880	3" (76.2mm)	0.089	21′-2″	28′-0″	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Standard Panel Stucco Aluminum		
É	5210	2" (50.8mm)	0.110	18'-2"	16′-0″	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum		
	5212	2" (50.8mm)	0.110	18′-2″	16′-0″	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum		
	5214	2" (50.8mm)	0.110	21′-2″	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum		
E	5216	2" (50.8mm)	0.110	21′-2″	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum		
É	5267, 5270, 5287	2" (50.8mm)	0.110	21-'2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Ranch Panel Stucco Aluminum		
	5268, 5278, 5280	2" (50.8mm)	0.110	21-′2″	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Standard Panel Stucco Aluminum		
Ž	5710	1-3/4" (44.5mm)	0.097	18′-2″	16′-0″	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum		
É	5712	1-3/4" (44.5mm)	0.097	18′-2″	16'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum		
	5714	1-3/4" (44.5mm)	0.097	21′-2″	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum		
É	5716	1-3/4" (44.5mm)	0.097	21′-2″	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum		
	5767, 5770, 5787	1-3/4" (44.5mm)	0.097	21-'2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Ranch Panel Stucco Aluminum		
Ě	5768, 5778, 5780	1-3/4" (44.5mm)	0.097	21-'2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Standard Panel Stucco Aluminum		

5000 Series Available Options

2" or 3" Track Top Header Seal

Double Steel End Stiles Keyed Lock (5200 & 5700) Exhaust Port Aluminum Full View Section (5200 & 5700)

Cam Safety Device High Cycle Springs Spring Bumpers High Cycle Rollers

Chain Hoist

Operators

Wind Load & Impact ASTM E 84 Fire Rated



Optional Exhaust Port (interior view)





Model 5814 Window Options: p 45 Model 5210 Window Options: p 42-45 Model 5214 Window Options: p 45 Model 5710 Window Options: p 42-45 Model 5714 Window Options: p 45



Raised Ranch Stucco Panel

Model 5870 No window options available.

Model 5270 Window Options: p 44 Model 5770 Window Options: p 44

Model 5267 Window Options: p 43 Model 5767 Window Options: p 43 Model 5287 Window Options: p 42

Model 5787 Window Options: p 42

V-Groove Stucco

Model 5816 Window Options: p 45 Model 5212 Window Options: p 45 Model 5216 Window Options: p 45

Model 5712 Window Options: p 45 Model 5716 Window Options: p 45

Raised Standard Stucco Panel

Model 5880 No window options available. Model 5280 Window Options: p 42

Model 5780 Window Options: p 42

Model 5268 Window Options: p 43

Model 5768 Window Options: p 43

Model 5278 Window Options: p 44 Model 5778 Window Options: p 44

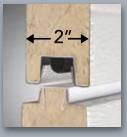
5800 Series



A Full Thermal Break is used in the tongue-and-groove construction of all 5800 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

5800 series doors include Air Infiltration Seals, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

5200 Series



A Full Thermal Break is used in the tongue-and-groove construction of all 5200 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

5200 series doors include Air Infiltration Seals, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

5700 Series



A Full Thermal Break is used in the tongue-and-groove construction of all 5700 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

For detailed information about the construction of this series, see pages 34-35.



14 816 in bronze with large TL lites



COMMERCIAL 800 SERIES

3" Thick



814 / 816 / 832 / 833 / 832-20 / 833-20 / 870 / 880 / 890

The Architects' Choice For the Most Demanding Specifications

The outstanding features and benefits of the Haas 800 Series have made it the door of choice among commercial and industrial architects. The 800 series commercial insulated steel doors feature a full 3" pressure-injected core of high-density environmentally compliant polyurethane foam insulation with a tested U-Factor of 0.089 – the best in the commercial door industry. The 800 series is exceptionally strong and is reinforced with roll-formed galvanized steel struts and double-end hinges as required to meet or exceed local wind load specifications. It is the ideal door for locations that require both maximum energy efficiency and durable strength.



Max. Door Size Section Skins **End Stile** Door Tested Model Thickness U-Factor* Type Height Inside Outside 26 GA Flush 26 GAV-Groove 16 GA 0.089 38'-2" 32'-0" (76.2mm) Steel Woodgrain Steel Woodgrain Steel 26 GA V-Groove 26 GA V-Groove 16 GA 0.089 38'-2" 32'-0" (76.2mm) Woodgrain Steel Woodgrain Steel Steel 26 GA V-Groove 20 GA Flush 16 GA 832 .0.089 24'-2" 32'-0" (76.2mm) Steel Woodgrain Steel Smooth Steel 26 GAV-Groove 20 GA V-Groove 16 GA 833 .0.089 38'-2" 32'-0" (76.2mm) Woodgrain Steel Smooth Steel 20 GA V-Groove 20 GA Flush 16 GA 832-20 0.089 24'-2" 32'-0" (76.2mm) Smooth Steel Smooth Steel 20 GA V-Groove 20 GA V-Groove 16 GA 833-20 0.089 38'-2" 32'-0" (76.2mm) Steel Smooth Steel Smooth Steel 26 GAV-Groove 26 GA Ranch Panel 16 GA 870 0.089 24'-0" 32'-0" (76.2mm) Steel Woodgrain Steel Woodgrain Steel 16 GA 26 GAV-Groove 26 GA Standard Panel 880 0.089 24'-0" 32'-0" (76.2mm) Woodgrain Steel Woodgrain Steel Steel 26 GAV-Groove 26 GA Sculptured Panel 16 GA 0.089 24'-0" 32'-0" (76.2mm) Woodgrain Steel Woodgrain Steel



Flush Woodgrain

All colors except Graywood and Bi-Directional Wood Grain colors Model 814 Window Options: p 45



V-Groove Woodgrain

All colors except Graywood and Bi-Directional Wood Grain colors Model 816 Window Options: p 45



Flush Smooth

Polar White and Brown Model 832 Window Options: p 41 Model 832-20 Window Options: p 45



V-Groove Smooth

Polar White and Brown Model 833 Window Options: p 45 Model 833-20 Window Options: p 45



Raised Ranch Woodgrain Panel

All Colors except Graywood and Bi-Directional American Walnut Model 870



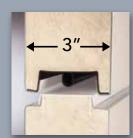
Raised Standard Woodgrain Panel

All Colors except Graywood and Bi-Directional American Walnut Model 880 No window options available. No window options available.



Raised Sculptured Woodgrain Panel

All Colors except Graywood and Bi-Directional American Walnut Model 890 No window options available.



A **Full Thermal Break** is used in the tongue-and-groove construction of all 800 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

800 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

800 Series **Available Options**

2" or 3" Track Double Steel End Stiles Exhaust Port Cam Safety Device Spring Bumpers Chain Hoist Operators High Cycle Springs Glazing (lites) High Cycle Rollers Wind Load & Impact

ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)





For detailed information about the construction of this series, see pages 34-35.



2080 in white with sian dard plain lites.



COMMERCIAL 2000 SERIES

2" Thick



2010 / 2012 / 2014 / 2016 / 2032 / 2033 / 2032-20 / 2033-20 / 2060 / 2061 / 2063 / 2064 / 2067 / 2068 / 2069 / 2070 / 2071 / 2072 / 2073 / 2074 / 2078 / 2079 / 2080 / 2081 / 2082 / 2087 / 2090

The Strength To Keep Out Noise and Weather

insulated steel doors are manufactured with the elements in mind. They will enhance the beauty of your building while insulating and dampening outside noise at the same time. Choosing low U-Factor sectional doors will help increase energy efficiency and savings. Polyurethane insulation provides the lowest U-Factor available in sectional steel doors.

2000 series doors are reinforced with roll-formed galvanized steel struts and double-end hinges, as required to meet wind load specifications and to comply with ANSI/DASMA 102-2004. The protective coating system is found on both the interior and exterior steel.



		Door	Tested	Max. Do	oor Size	End Stile	Section Skins						
	Model	Thickness	U-Factor	Width	Height	Туре	Inside	Outside					
É	2010	2" (50.8mm)	0.094	18′-2″	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel					
É	2012	2" (50.8mm)	0.094	18′-2″	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel					
É	2014	2" (50.8mm)	0.094	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel					
É	2016	2" (50.8mm)	0.094	38′-2″	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel					
É	2032	2" (50.8mm)	0.094	24'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel					
É	2033	2" (50.8mm)	0.094	38′-2″	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel					
É	2032-20	2" (50.8mm)	0.094	24'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel					
É	2033-20	2" (50.8mm)	0.094	38′-2″	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel					
É	2060, 2072, 2082	2" (50.8mm)	0.094	24-'2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Short Pan Woodgrain Steel					
É	2061, 2071, 2081	2" (50.8mm)	0.094	24-'2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Short Pa Woodgrain Steel					
É	2063, 2073	2" (50.8mm)	0.094	18-′2″	16′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Long Pa Woodgrain Steel					
É	2064, 2074	2" (50.8mm)	0.094	18-′2″	16′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Long Pan Woodgrain Steel					
É	2067, 2070, 2087	2" (50.8mm)	0.094	24-'2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel					
É	2068, 2078, 2080	2" (50.8mm)	0.094	24-'2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel					
É	2069, 2079, 2090	2" (50.8mm)	0.094	24-'2"	32′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Pane Woodgrain Steel					

Note: Certain weights and/or applications may limit the size allowed

Flush Woodgrain All colors except Bi-Directionals Model 2010 Window Options: p 42-45

V-Groove Smooth

Model 2033 Window Options: p 45

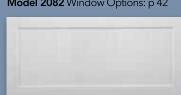
Model 2033-20 Window Options: p 45





Ribbed Short Woodgrain Panel All colors except Bi-Directional American Walnut for 2072 and 2082

Model 2060 Window Options: p 43 Model 2072 Window Options: p 44 Model 2082 Window Options: p 42



Ribbed Long Woodgrain Panel

Model 2064 Window Options: p 43

Model 2074 Window Options: p 44

All colors except Bi-Direction American Walnut for 2074

Recessed Long Woodgrain Panel All colors except Bi-Directional American Walnut for 2073

Model 2063 Window Options: p 43 Model 2073 Window Options: p 44



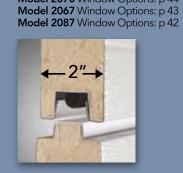
Raised Standard Woodgrain Panel

All colors except Bi-Directional American Walnut Model 2080 Window Options: p 42 Model 2068 Window Options: p 43 Model 2078 Window Options: p 44



Raised Sculptured Woodgrain Panel All colors except Bi-Directional American Walnut Model 2090 Window Options: p 42

Model 2069 Window Options: p 43 Model 2079 Window Options: p 44



Flush Smooth Polar White and Brown

Model 2032 Window Options: p 45

Model 2032-20 Window Options: p 45

Recessed Short Woodgrain Panel

American Walnut for 2071 and 2081 Model 2061 Window Options: p 43 Model 2071 Window Options: p 44

Model 2081 Window Options: p 42

Raised Ranch Woodgrain Panel All colors except Bi-Directional American Walnut Model 2070 Window Options: p 44

All colors except Bi-Direction

A **Full Thermal Break** is used in

the tongue-and-groove construction of all 2000 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

2000 series doors include Air **Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.



Wind Load



2" or 3" Track Double Steel End Stiles Exhaust Port Cam Safety Device Spring Bumpers Chain Hoist Operators High Cycle Springs

Optional Exhaust Port (interior view)



2000 Series Available Options Glazing (lites) High Cycle Rollers Aluminum Full View Section Pass Door Keyed Lock Wind Load Rating ASTM E 84 Fire Rated

> Pass Door (interior view)

(Convenience only, not a legal exit, or ADA compliant. Door trim color is only available in clear anodized. Available in doors up to 16'2" wide, 16' high. Not available in all models.)



22 716 in polar white with large TL lites



COMMERCIAL 700 SERIES

13/4" Thick



710 / 712 / 714 / 716 / 732 / 733 / 732-20 / 733-20 / 760 / 763 / 764 / 767 / 768 / 769 / 770 / 771 / 772 / 773 / 774 / 778 / 779 / 780 / 781 / 782 / 787 / 790

Built to Last

Haas 700 Series commercial insulated steel doors stand up to the elements, while dramatically decreasing exterior noise and enhancing the overall aesthetics of your building at the same time. The 1¾" thick 700 Series insulated steel doors help increase energy savings with polyurethane foam cores and are built to last.

NSULATE

700 QUICK GUIDE



		Door	Tested	Max. Do	oor Size	End Stile	Section Skins					
	Model	Thickness	U-Factor	Width	Height	Туре	Inside	Outside				
*	710	1-3/4" (44.5mm)	0.093	18′-2″	16′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel				
*	712	1-3/4" (44.5mm)	0.093	18′-2″	16′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel				
*	714	1-3/4" (44.5mm)	0.093	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel				
*	716	1-3/4" (44.5mm)	0.093	38′-2″	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel				
*	732	1-3/4" (44.5mm)	0.093	24-'2"	32′-0″	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel				
*	733	1-3/4" (44.5mm)	0.093	38'-2"	32′-0″	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel				
*	732-20	1-3/4" (44.5mm)	0.093	24-'2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel				
*	733-20	1-3/4" (44.5mm)	0.093	38'-2"	32′-0″	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel				
*	760, 772, 782	1-3/4" (44.5mm)	0.093	24-'2"	32′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Short Panel Woodgrain Steel				
*	761, 771, 781	1-3/4" (44.5mm)	0.093	24-'2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Short Pane Woodgrain Steel				
*	763,773	1-3/4" (44.5mm)	0.093	18-'2"	16′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Long Panel Woodgrain Steel				
*	764, 774	1-3/4" (44.5mm)	0.093	18-'2"	16′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Long Panel Woodgrain Steel				
*	767, 770, 787	1-3/4" (44.5mm)	0.093	24-'2"	32′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel				
*	768, 778, 780	1-3/4" (44.5mm)	0.093	24-'2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel				
*	769,779, 790	1-3/4" (44.5mm)	0.093	24-'2"	32′-0″	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel				

Note: Certain weights and/or applications may limit the size allowed

Flush Woodgrain

All colors except Bi-Directionals Model 710 Window Options: p 42-45 Model 714 Window Options: p 45



V-Groove Smooth

Polar White and Brown Model 733 Window Options: p 45 Model 733-20 Window Options: p 45



Ribbed Long Woodgrain Panel

All colors except Bi-Directiona American Walnut for 774 **Model 764** Window Options: p 43 Model 774 Window Options: p 44



Raised Standard Woodgrain Panel

All colors except Bi-Directional American Walnut Model 780 Window Options: p 42 Model 768 Window Options: p 43 Model 778 Window Options: p 44



V-Groove Woodgrain

All colors except Bi-Directionals

Model 712 Window Options: p 45 Model 716 Window Options: p 45



Ribbed Short Woodgrain Panel

All colors except Bi-Directional American Walnut for 772 and 782 Model 760 Window Options: p 43 Model 772 Window Options: p 44 Model 782 Window Options: p 42



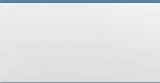
Recessed Long Woodgrain Panel

All colors except Bi-Directional American Walnut for 773 **Model 763** Window Options: p 43 Model 773 Window Options: p 44



Raised Sculptured Woodgrain Panel

All colors except Bi-Directional American Walnut **Model 790** Window Options: p 42 Model 769 Window Options: p 43 Model 779 Window Options: p 44



Flush Smooth

Polar White and Brown Model 732 Window Options: p 45 Model 732-20 Window Options: p 45



Recessed Short Woodgrain Panel

All colors except Bi-Directional American Walnut for 771 and 781 Model 761 Window Options: p 43 Model 771 Window Options: p 44 Model 781 Window Options: p 42



Raised Ranch Woodgrain Panel All colors except Bi-Directional American Walnut

Model 770 Window Options: p 44 Model 767 Window Options: p 43 Model 787 Window Options: p 42



A Full Thermal Break is used in the tongue-and-groove construction of all 700 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.



700 Series **Available Options**

2" or 3" Track Double Steel End Stiles Exhaust Port Cam Safety Device Spring Bumpers Chain Hoist Operators High Cycle Springs Glazing (lites) High Cycle Rollers Aluminum Full View Section Pass Door Top Header Seal Keyed Lock Wind Load Rating ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)





Pass Door (exterior view)



(Convenience only, not a legal exit, or ADA compliant. Door trim color is only available in clear anodized. Available in doors up to 16'2" wide, 16' high. Not available in all models.)



26 616 in sandstone



COMMERCIAL 600 SERIES

1³/₈" Thick



610 / 612 / 614 / 616 / 632 / 632-20 / 633 / 633-20 / 660 / 661 / 663 / 664 / 667 / 668 / 669 / 670 / 671 / 672 / 673 / 674 / 678 / 679 / 680 / 681 / 682 / 687 / 690

Strong, Efficient and Attractive

When your major considerations include energy efficiency, noise buffering and beauty, a Haas 600 Series commercial insulated steel door will far exceed your expectations. These environmentally compliant, polyurethane foam-injected steel doors offer exceptional benefits for commercial applications, including durable strength, unique paint system and hard working hardware to withstand the harshest of elements.

<u>NSULA</u>



Recessed Short Woodgrain Panel All colors except Bi-Directiona American Walnut for 671 and 681

Model 661 Window Options: p 43 Model 671 Window Options: p 44 Model 681 Window Options: p 42



Raised Ranch Woodgrain Panel All colors except Bi-Directional

American Walnut Model 670 Window Options: p 44 Model 667 Window Options: p 43 Model 687 Window Options: p 42



All colors except Bi-Directional



V-Groove Woodgrain

All colors except Bi-Directionals

Model 612 Window Options: p 45

Model 616 Window Options: p 45

Ribbed Short Woodgrain Panel

American Walnut for 672 and 682

Model 660 Window Options: p 43

Model 672 Window Options: p 44

Model 682 Window Options: p 42

Ribbed Long Woodgrain Panel

Model 664 Window Options: p 43

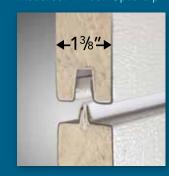
Model 674 Window Options: p 44

All colors except Bi-Directional

American Walnut for 674

All colors except Bi-Direction

American Walnut Model 690 Window Options: p 42 Model 669 Window Options: p 43 Model 679 Window Options: p 44



A Full Thermal Break is

used in the tongue-andgroove construction of all 600 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

600 series doors exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/ flexible vinyl door stop.

Flush Woodgrain



All colors except Bid-Directionals Model 610 Window Options: p 42-45 Model 614 Window Options: p 45



V-Groove Smooth

Polar White and Brown Model 633 Window Options: p 45 Model 633-20 Window Options: p 45



Recessed Long Woodgrain Panel All colors except Bi-Directional American Walnut for 673

Model 663 Window Options: p 43 Model 673 Window Options: p 44



All colors except Bi-Directional

Model 680 Window Options: p 42 Model 668 Window Options: p 43 Model 678 Window Options: p 44



Section Skins

Outside

26 GA Flush

Woodgrain Steel

26 GA V-Groove

Woodgrain Steel

26 GA Flush

Woodgrain Steel

26 GAV-Groove

Woodgrain Steel

20 GA Flush

Smooth Steel

20 GA V-Groove

Smooth Steel

20 GA Flush

Smooth Steel

20 GA V-Groove

Smooth Steel

26 GA Ribbed Short Panel

Woodgrain Steel

26 GA Recessed Short Panel

Woodgrain Steel

26 GA Recessed Long Panel

Woodgrain Steel

26 GA Ribbed Long Panel

Panel Woodgrain Steel

26 GA Ranch Panel

Woodgrain Steel

26 GA Standard Panel

Woodgrain Steel

26 GA Sculptured Panel

Woodgrain Steel

Max. Door Size

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

18'-2"

Door

Thickness

1-3/8"

(34.9mm)

Model

612

614

616

632

633

632-20

633-20

660,672,

661,671

663,673

664, 674

667, 670,

687

668, 678,

680

669, 679,

Tested

U-Factor

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

0.106

End Stile

Type

Extruded

End Cap

Extruded

End Cap

16 GA

Steel

16 GA

Extruded

End Cap

Inside

26 GAV-Groove

Woodgrain Steel

26 GA V-Groove

Woodgrain Steel 26 GA V-Groove

Woodgrain Steel

26 GA V-Groove

Woodgrain Steel

26 GAV-Groove

Woodgrain Steel

26 GA V-Groove

Woodgrain Steel

20 GA V-Groove

Smooth Steel

20 GA V-Groove

Smooth Steel

26 GA V-Groove

Woodgrain Steel

600 Series **Available Options**

2" or 3" Track Double Steel End Stiles **Exhaust Port** Cam Safety Device Spring Bumpers Chain Hoist Operators High Cycle Springs Glazing (lites) High Cycle Rollers **Keyed Lock** Wind Load Rating ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)





-

Hillar





COMMERCIAL RIBBED STEEL

2" Thick Optional Insulation

C2011 / C2011L / C2011S / C2015 / C2015L / C2015S / C2410 / C2410L / C2411 / C2411L / C2411S / C2415 / C2415L / C2415S / C2460 / C2460L / C2461 / C2461L / C2470 / C2470L / C2471 / C2471L / C2472 / C2472L / C2480 / C2480L / C2480S / C2481 / C2481L/C2482/C2482L/C2511/ C2511L/C2511S

Strength and Value

The Haas Commercial Ribbed Steel Series doors are a value-based product that offers the strength of steel in four panel styles and five color choices. All models offer the upgrade of adding energy-efficient insulation panels. Ribbed steel doors are the ideal choice when economy is the prime consideration but a high quality, beautifully crafted product is still a necessity.

Polar White, Almond, Sahara Tan,

Ribbed Short Woodgrain Panel

Sandstone, Brown, Charcoal & English Oak (not available in 18" sections) Models C2460, C2460L Window Options: p 43 Models C2472, C2472L Window Options: p 44 Models C2482, C2482L

Window Options: p 42



Raised Standard Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal & English Oak Models C2480, C2480L, C2480S Window Options: p 42

Smooth Ribbed Steel Polar White Only Models C2011, C2011L, C2011S, C2015, C2015L, C2015S, C2511, C2511L, C2511S Window Options: p 45 Polar White, Sandstone & Brown Models C2411, C2411L, C2411S, C2415, C2415L, C2415S



Recessed Short Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal (not available in 18" sections) Models C2461, C2461L Window Options: p 43 Models C2471, C2471L Window Options: p 44 Models C2481, C2481L Window Options: p 42





Flush Woodgrain

& English Oak

Raised Ranch

& English Oak

Woodgrain Panel

Polar White, Almond, Sahara Tan,

Sandstone, Brown, Charcoal

Models C2470, C2470L

Window Options: p 44

Polar White, Almond, Sahara Tan,

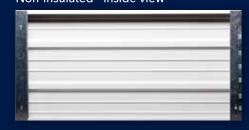
Sandstone, Brown, Charcoal

Models C2410, C2410L

Window Options: p 42-45



Non-Insulated - inside view



Insulated Laminate Back (L) - inside view



Insulated Steel Back (S) - inside view



33

Inserted C-Shaped C2011S N/A 24'2" 20'-0" Steel Backer 20 GA Ribbed Steel Polystyrene Panels C-Shaped C2015 N/A 30'-2" 20'-0" N/A 20 GA Ribbed Steel None C-Shaped Inserted Laminate 20 GA Ribbed Steel C2015L N/A 30'-2" 20'-0" Steel Backer Polystyrene Panels C-Shaped Inserted 2" C2015S N/A 24'-2" 20'-0" Steel Backer 20 GA Ribbed Steel Steel Polystyrene Panels C-Shaped C2411** 2" N/A 30'-2" 20'-0" N/A 24 GA Ribbed Steel None C-Shaped Laminate Inserted C2411L** 24 GA Ribbed Steel 2" N/A 30'-2" 20'-0" Steel Backer Polystyrene Panels C-Shaped Inserted C2411S N/A 24'-2" 20'-0" Steel Backer 24 GA Ribbed Steel Polystyrene Panels C-Shaped C2415** 30'-2" 20'-0" N/A 24 GA Ribbed Steel N/A None C-Shaped Laminate Inserted C2415L** 2" N/A 30'-2" 20'-0" 24 GA Ribbed Steel Backer Polystyrene Panels C-Shaped Inserted C2415S 20'-0" Steel Backer 24 GA Ribbed Steel N/A 24'-2" Polystyrene Panels 24 GA Nominal C2511 2" N/A 16'-2" 16'-0" N/A None Ribbed Steel 24 GA Nominal Inserted C-Shaped Laminate C2511L 16'-0" N/A 16'-2" Ribbed Steel Polystyrene Panels Backer 24 GA Nominal Inserted C-Shaped Steel Backer C2511S N/A 16'-2" 16'-0" Polystyrene Panels Steel Ribbed Steel 24 GA Flush Panel C-Shaped C2410 N/A 18'-2" 10'-0" N/A None Steel Woodgrain Steel 24 GA Flush Panel C-Shaped Laminate Inserted C2410L 0.215 18'-2" 10'-0"

Max. Door Size End Stile

20'-0"

20'-0"

30'-2"

30'-2"

Type

C-Shaped

N/A

Laminate

Backer

Backer

N/A

Laminate

Backer

N/A

Laminate

Backer

Steel Backer

N/A

Laminate

Backer

N/A

Laminate

C-Shaped

C-Shaped

C-Shaped

C-Shaped

Steel

C-Shaped

C-Shaped

C-Shaped

C-Shaped

C-Shaped

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

16'-0"

24'-2"

24'-2"

24'-2"

24'-2"

24'-2"

24'-2"

24'-2"

24'-2"

24'-2"

Tested

N/A

N/A

N/A

0.215

N/A

0.215

0.225

N/A

0.215

N/A

0.215

2"

Polystyrene Panels **widths over 24' 2" are only available in polar white

Insulation Type

None

Inserted

Polystyrene Panels

Outside

20 GA Ribbed Steel

20 GA Ribbed Steel

Woodgrain Steel

24 GA Ranch Panel

Woodgrain Steel 24 GA Ranch Panel

Woodgrain Steel

24 GA Standard Panel

Woodgrain Steel

24 GA Standard Panel

Woodgrain Steel

24 GA Standard Panel

Woodgrain Steel

24 GA Ribbed Short

Panel Woodgrain Steel

24 GA Ribbed Short

Panel Woodgrain Steel

24 GA Recessed

Short Steel

24 GA Recessed

Short Steel

GA

18

18

18

16

16

18

18

18

16

16

16

18

18

18

18

18

18

18

18

18

18

18

Polystyrene Panels

None

Inserted

Polystyrene Panels

Inserted

Polystyrene Panels

Inserted

Polystyrene Panels

None

Inserted

Polystyrene Panels

None

Inserted

32

Model

C2011

C2011L

C2470

C2470L

C2480

C2480L

C2480S

C2460L, C2472L,

C2461L, C2471L,

C2460, C2472.

C2482

C24821

C2461, C2471,

Ribbed Steel Available Options

2" or 3" Track Double Steel End Stiles Exhaust Port Cam Safety Device Spring Bumpers Chain Hoist Operators High Cycle Springs Glazing (lites) High Cycle Rollers Aluminum Full View Section Keyed Lock Wind Load Rating









The Strength To Keep Out Noise And Weather

Haas commercial insulated doors stand up to the elements, while dramatically decreasing exterior noise and enhancing the overall aesthetics of your building at the same time. Choosing one of our insulated doors will help increase energy savings, as our environmentally compliant polyurethane provides one of the best U-Factors available in sectional doors.

Haas garage doors are made from steel that contains 80% recycled material. They are reinforced with roll-formed galvanized steel struts and double-end hinges, as required to meet wind load specifications and to comply with ANSI/DASMA 102. The protective coating system is found on both the interior and exterior steel.



The polyurethane foam in a Haas garage door section is fully enclosed inside the steel skins. This design puts the insulation properties of polyurethane foam far ahead of polystyrene foam for performance and value.

Polyurethane foam is a two-part system. It begins with two chemical blends that when mixed together expand and cure to fill the garage door panel. During the expansion, the foam

completely fills the inside of the panel and becomes fully adhered to the steel skins of the garage door panel to form a composite structure that is of exceptional strength and rigidity. Polyurethane foams are very stable when encapsulated inside a garage door section.

Insulating with polyurethane provides a superior product with higher insulation properties and a stronger unitized section.

Commercial Insulated Quick Reference

Series	Thickness	Tested U-Factor
9200	2" & 5/8" overlay	0.081
9600	1-3/8" & 5/8" overlay	0.096
5800	3"	0.089
5200	2"	0.110
5700	1-3/4"	0.097
800	3"	0.089
2000	2"	0.094
700	1-3/4"	0.093
600	1-3/8"	0.106

Air Infiltration Seal

5800, 5200, 800 and 2000 series doors include Air Infiltration Seals, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

••••••••••••

Full Thermal Break

A full Thermal Break is used in the tongue-and-groove construction of all commercial insulated doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact between door sections, which limits the transfer of temperature. This also provides optimum water and wind resistance.

Weather Seal

A full-length, one-piece heavy vinyl bottom weather seal prevents infiltration of air, rain, snow and debris. The seal reduces impact shocks when the door is closed against concrete flooring.











Unique Paint System

All Haas steel garage doors include a three-tier, corrosion-resistant protective paint system with a polyurethane primer and durable polyester finish coat on the interior and exterior. Haas Door's paint thickness is one of the highest in the industry, and most insulated door models are available in 19 colors.

Hard Working Hardware

Haas track is 2" or 3" galvanized steel, depending on door size, with bracket mount for wood jambs or continuous reverse mounting for steel jambs. For angle-mount track, door widths are 2" wider than the opening. Track rollers are 2" or 3" case-hardened inner and outer steel races with 10-ball pre-lubricated bearings. Hinges, brackets, and reinforcing struts are hot-dipped galvanized steel. Fasteners are plated for maximum corrosion resistance. Counterbalancing springs are torsion type, computer calibrated to match door load. This provides a 10,000-cycle life at the minimum; optional spring wires can achieve 25,000, 50,000 and 100,000 cycle requirements. Springs are wound from oil-tempered wire and mounted on a continuous cross header tube or solid shaft, as determined by torque load.

Contact one of our professional dealers for information on additional options including: exterior cylinder locks, chain hoist operation, safety bottom brackets, and special lift clearance tracks (high lift, vertical lift, low headroom, and those that follow the roof line).

Full View

Optional Aluminum Full View sections on the 5000 Series, 2000 Series, 700 Series and Commercial Ribbed Steel provide maximum light and visibility with available insulated glazing. Full view sections for the 5000 Series are available in polar white. Full view sections for the 2000 & 700 Series are available in 8 colors. Full view sections for Commercial Ribbed Steel are available in 5 colors. (Not available in Wood Grain colors.)

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The E-Strut® and Wind Load

The E-Strut is the next generation of strut design. Conceived, developed and manufactured by Haas Door, testing has proven the E-Strut to outperform traditional struts. This patented design is used on all Haas Door products.

The innovative E-Strut is intelligently designed to require half as many tek screws as u-bars and struts currently in use. This means less time attaching struts in the field for installers and a savings in labor expense for our dealers.

E-Struts are available in 2 inch, 3 inch, 4 inch and 6 inch widths and come standard in a galvanized finish. The 4 inch and 6 inch sizes do not require hinge straps.

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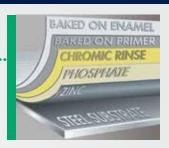
Haas Door products are available in a wide range of design pressures for wind load requirements. Contact your local Haas Door dealer for more information about wind load requirements in your area.



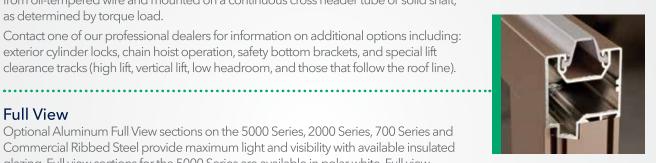
















Pass Door

Custom pass doors are also available on the 2000 & 700 Series.

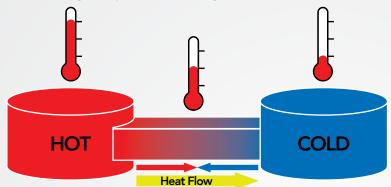
THERMAL PERFORMANCE U-FACTOR

What is U-Factor?

The tested U-Factor is the measurement of heat (energy) transfer from warmer side to colder side of the garage door (in our case). Heat transfer is not desired because it means the loss of energy from conditioned spaces.

A lower U-Factor indicates less heat transfer and better thermal performance.

It is the preferred method for building codes thermal performance, and architects use U-Factors to calculate building envelope energy loads. U-Factor tests the whole, installed assembly. Energy Star Fenestration products and knowledgeable professionals recognize and use U-Factor.



Without insulation or thermal break to stop it, energy will transfer through the door.

Who is requesting this industry standard?

Door & Access Systems Manufacturers Association (DASMA) has setup a verification program to provide industry wide standardization of marketing the thermal performance of sectional garage doors. This program represents a shift in how sectional garage doors thermal performance is rated, from traditional R-Value to more accurate and relevant 3rd party tested door assembly U-Factor.

DASMA and the program participants agree to increased consistency, and transparency by sharing tested data, allowing customers to compare product quality facts. More detailed information about the program and U-Factors are available at www.dasma.com/thermal.



Why is a tested U-Factor better than R-Value?

U-Factor

- U-Factor tests the whole installed assembly which includes section joint, lites, stile attachment, etc. more relevant to thermal performance
- Third party tested and validated by the program administrator
- All manufacturers using the same testing methods ANSI/DASMA 105
- Tests measure the actual heat/energy transfer
- All manufacturer results will be a direct comparison to one another

R-Value

- Only one section is calculated and provides the insulating effect through the "center" of a door section only, not the entire door
- Independently calculated by each manufacturernot validated
- No testing standard resulting in a wide interpretation of the calculation
- Calculates the resistance to thermal transfer

How does this benefit you?

This shift to tested U-Factor measurements sets a standard all manufacturers in the program ahere to. Tested products included in the program must be submitted to the program administrator. Only tested products in the program can list U-Factor data. This is the most reliable thermal performance indicator in the industry. Manufacturers in the program are stepping forward and formally having their products tested to prove quality.

Comparison of products between manufacturers has never been easier or more accurate. All tested products are required to be labeled with DASMA thermal performance verification displaying testing results. For accurate data and product comparison, choose products that have been tested through this program.

Establishing the standard testing procedure, and having a third party accredited lab perform and record the testing data provides consistency across the industry. Special guidelines have been put in place to properly market the U-Factor information as well. This removes any possible confusion from one manufacturer to another.

How can I tell if the product has been tested?

The use of DASMA thermal performance Badge, Label, or Icon will quickly identify products included in the program.



Badge





Label

GLASS OPTIONS

American Tradition™ 9000 Series

- 10 Year Delamination Warranty
- 10 Year Finish Warranty
- 5 Year Overlay Delamination
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Commercial Aluminum Series

- 1 Year Hardware Warranty
- 1 Year Finish Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Insulated Aluminum 5000 Series

- 10 Year Delamination Warranty
- 10 Year Finish Warranty
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Insulated Steel - 800, 2000, 700 & 600 Series

- 10 Year Delamination and Rust-through Warranty
- 10 Year Finish Warranty
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Ribbed Steel - 2400 & 2500 Series

- 1 Year Rust-through Warranty
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components





www.haasdoor.com/architects



1/8" Non-Insulated



Frosted



Light Gray

Clear Lexan

Clear DSB

(Only Standard Series)





Dark Gray









Frosted DSB (Only Standard Series)

1/4" Non-Insulated (Only Commercial Aluminum)









Clear Safety Laminate Reflective Bronze

1/2" Insulated



Clear/Clear

Clear/Frosted

Bronze/Frosted



Light Gray/Clear

Light Gray/Frosted

Clear/Solarban 70

Clear/Low-E



Dark Gray/Frosted

Dark Gray/Dark Gray

Obscure/Clear (Only CA)





Dark Gray/Clear





Bronze

Frosted

Pebble

www.haasdoor.com/commercial



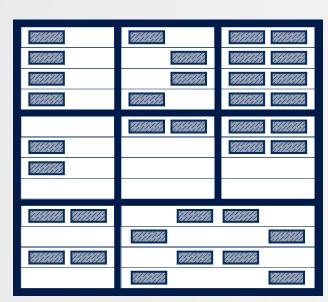
Impact Polycarbonate (UV rating on Clear only)

Dark Gray

SELECTVIEW OPTIONS

SelectView allows you to select unique window placements based on the door series and window. SelectView is unique due to the vast amount of options available to suit any need. Whether you're looking to add some character to a ribbed steel commercial building project, or adding more lite into a warehouse renovation, SelectView provides many options to give your project differentiation.

- Available in 800, 2000, 700, 600 and Ribbed Steel* Series
- Multiple window placement options by series and panel styles
- Ranch and Standard Series windows use their matching panel, Carriage House Series windows use Flush panels, and TL lites available in Flush, V-Groove, and Ribbed Steel*
- Available with Specialty Glass and insert options



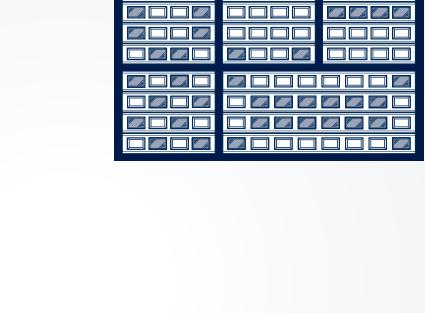
- Insulated and Non-insulated glass options in Carriage House, Ranch, Standard, and TL lites
 - Standard and Wood Grain color options follow door Series
 - Max size 18'2" x 16' More than one lite in the bottom section is limited to 18'2" x 10'0"

Carriage House Options

- Add windows to a flush door to create a modern, custom look to fit the style of your building.
- Available in Flush panel models.
- Available with Decorative glass, Specialty glass & inserts.
- Largest glass window size 39 7/16" x 13 5/8".

97// 12/1/ 92// 91.44 97.4 97.44 VACCO A TAGETA 97/1/ 94/1 17/11 97/1 TROUBLE 91.11 97// TAGSIIA TANGULA 47/1/2 4211 TRUTTA TROPPE 47/1/2 11.11 15571 TASSES A 17.42 TROUBLE 94.42 TAGUNA 97// 97// 47.4 TAGETA 97.44

(Possibilities shown above, many more available)



Standard Options

- Mix windows & standard panels for a unique look.
- Available in Raised Standard stamped panel models.
- Available with Decorative glass, Specialty glass & inserts.
- 18 3/8" x 11 3/8" window size for 800, 2000, 700 & 600 Series – 17 3/8" x 11 3/8" window size for 2400, 2500 & Commercial Ribbed Steel* Series.
- 2400 Series are limited to 1 lite in bottom section.



TL Options

- Take the ordinary residential or commercial door to extraordinary.
- Available in Flush, V-Groove, and Ribbed Steel* models.
- Available with Clear or Frosted glass.
- Commercial Ribbed Steel: 24" x 6" & 24" x 12" window sizes, black frame - All other series: 25" x 12" & 24" x 6" window sizes, large window frame matches door color.



(Possibilities shown above, many more available)

Ranch Options

- Create curb appeal with windows & panels.
- Available in Raised Ranch stamped panel models.
- Available with Decorative glass, Specialty glass & inserts.
- 39 3/8" x 11 1/2" size window.

^{*}Ribbed Steel Series are limited to 1 window in bottom section

WINDOW OPTIONS

Standard Series

Models 610, 680, 681, 682, 687, 690, 710, 780, 781, 782, 787, 790, 5710, 5780, 5787

1/8" DSB, 1/8" Tempered 1/2" Insulated Tempered

Models 2010, 2080, 2081, 2082, 2087, 2090, 5210, 5280, 5287 1/2" Insulated

Models C2410, C2410L, C2480, C2480S, C2480L, C2481, C2481L, C2482, C2482L 1/8" DSB, 1/8" Tempered













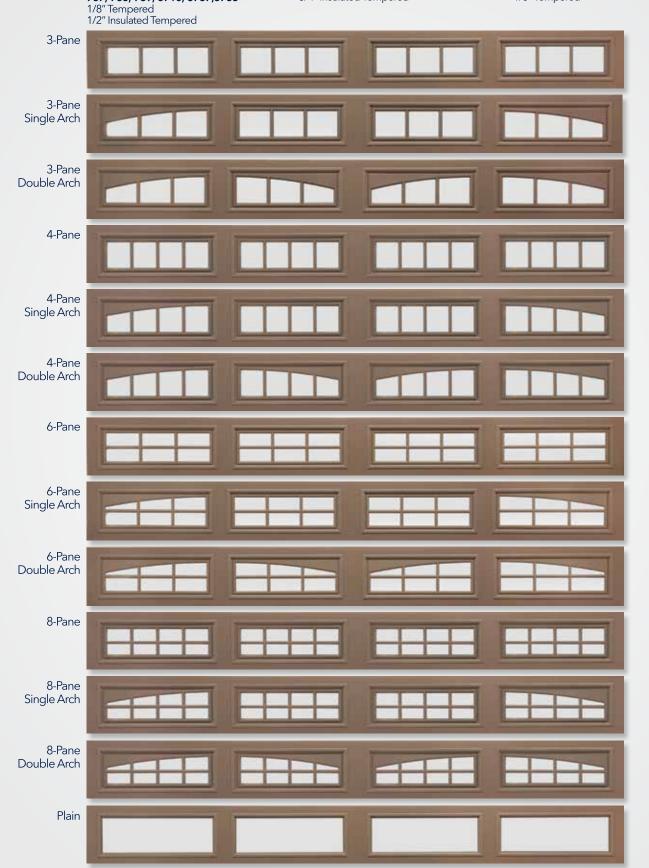
Carriage House Series (not available in 18" sections)

Models 610, 660, 661, 663, 664, 667, 668, 669, 710, 760, 761, 763, 764, 767, 768, 769, 5710, 5767,5768

Models 2010, 2060, 2061, 2063, 2064, 2067, 2068, 2069, 5210, 5267, 5268 3/4" Insulated Tempered

Models C2410, C2410L, C2460, C2460L, C2461, C2461L

1/8" Tempered



WINDOW OPTIONS

Ranch Series

Models 610, 670, 671, 672, 673, 674, 678, 679, 710, 770, 771, 772, 773, 774, 778, 779, 5710, 5770, 5778 1/8" Tempered

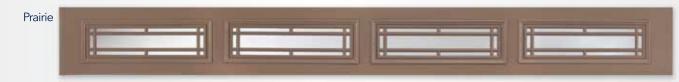
Models 2010, 2070, 2071, 2072, 2073, 2074, 2078, 2079, 5210, 5270, 5278 1/2" Insulated Tempered

Models C2410, C2410L, C2470, C2470L, C2471, C2471L, C2472, C2472L 1/8" Tempered











TL Lites

Models 610, 612, 614, 616, 632, 633, 710, 712, 714, 716, 732, 732-20, 733, 733-20, 750, 751, 5710, 5712, 5714, 5716 1/2" Insulated Tempered - Clear or Frosted Models 2010, 2012, 2014, 2016, 2032, 2032-20, 2033, 2033-20, 2050, 2051, 5210, 5212, 5214, 5216 3/4" Insulated Tempered - Clear or Frosted Models 814, 816, 832, 832-20, 833, 833-20, 850, 851, 5814, 5816 1 3/4" Insulated Tempered - Clear or Frosted



TL Lite 25" x 12" (24 7/8" x 10 7/8" viewable) Outer frame matches door color, White inside frame.



Small TL Lite 24" x 6" (21 1/2" x 3 1/4" viewable) Outer frame available in Black or White, White inside frame

Commercial Ribbed Steel Lites

Models C2011, C2015, C2411, C2415, C2511, C2410 1/8" Tempered - Clear or Frosted Models C2011L, C2011S, C2015L, C2015S, C2415L, C2415S, C2511L, C2511S, C2411L, C2411S, C2410L 3/4" Insulated Tempered - Clear or Frosted



24" x 6" (21 1/2" x 3 1/4" viewable) Outer frame available in Black or White, White inside frame.



(21 1/2" x 9 1/2" viewable) Black frame only, outside and inside. Not available for Model C2410 or

COLOR OPTIONS

Solid Steel Colors



Polar White



Brown



Espresso (not available 2400/2500)



Almond



Charcoal



Carbon Black* (not available 2400/2500) (Not available in all sizes.)

Due to the printing process, colors may vary. For the most accurate color match, see your Haas Door dealer for a metal color selector.



Sahara Tan



Gray (not available 2400/2500)



Bronze (not available 2400/2500)

*Carbon Black includes a cool chemistry paint finish, but is not recommended for projects with extreme exposures to heat and sunlight.

Insulated Aluminum Color



Polar White

Uni-Directional Wood Grain Colors (Only English Oak available in 2400 series. Not available in 2500 series.)



American Walnut Wood Grain Embossed



English Oak Wood Grain Embossed



Ash Wood Grain Embossed



Mahogany Wood Grain Embossed



Graywood Wood Grain Embossed



- These authentic colors feature a wood grain pattern that runs horizontally to compliment any of our insulated steel models.
- The pre-painted wood grain finish is baked on to ensure a durable and long lasting door. Steel wood grain colors feature a 10 year finish warranty.
- Built with 26 gauge galvanized steel that features a wood grain embossment.
- Available in all insulated steel models.

Bi-Directional Wood Grain Colors (not available in 2400 & 2500 series)



American Walnut Stucco Embossed (only available with Carriage House lites)



English Oak Stucco Embossed (only available with Carriage House lites)



Ash Stucco Embossed



Mahogany Stucco Embossed



- A vertical wood grain pattern on the panel and stile contrasting with a horizontal pattern on the rails creates the appearance of a real wood door.
- The pre-painted wood grain finish is baked on to ensure a durable and long lasting door. Steel wood grain colors feature a 10 year finish warranty.
- Built with 26 gauge galvanized steel that features a light stucco embossment.
- Available in all insulated steel models with a stamped panel.

Color Availability Chart						Solid Steel Colors										Insulated Aluminum Color Uni-Directional Steel Wood Grain Colors Bi-Directional Steel Wood Grain Co							in Colors			
	Model				Panel Type	Lites	Polar White	Almond	Sahara Tan	Sandstone	Brown	Espresso	Gray	Bronze	Charcoa	Carbon Black	Polar White	American Walnut	English Oak	Mahogany	Ash	Graywood	American Walnut	English Oak	Mahogany	Ash
ഗ 5210	5710				Stucco Flush	TL											•									
<u>0</u>		2010	710	610	Woodgrain Flush	All	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•				
5212	5712				Stucco V Groove												•									
ŏ		2012	712	612	V Groove	TL	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•				
5212 5814 5214	5714				Stucco Flush	TL	•	•									•									
		2014	714	614	Woodgrain Flush	TL	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•				
g	814	l l			Woodgrain Flush	TL	•	•	•	•	•	•	•	•	•	•		•	•	•	•					
5816 5216	5716				Stucco V Groove	TL											•									
<u></u>		2016	716	616	V Groove	TL	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•				
sul	816)			V Groove	TL	•	•	•	•	•	•	•	•	•	•		•	•	•	•					
S	832	2032	732	632	Smooth Flush	TL	•				•															
<u>=</u>	833	2033	733	633	Smooth V Groove	TL	•				•															
		2060	760	660	Ribbed Short	Carriage	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
		2061	761	661	Recessed Short	Carriage	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
		2063		663	Recessed Long	Carriage	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
				664	Ribbed Long	Carriage	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
		2070	770	670	Raised Ranch	Ranch	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
5870 5270					Raised Ranch	Ranch											•									
	870				Raised Ranch	Ranch	•	•	•	•	•	•	•	•	•	•		•	•	•	•			•	•	•
			771		Recessed Short	Ranch	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
			772		Ribbed Short	Ranch	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
				673	Recessed Long	Ranch	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
			774		Ribbed Long	Ranch	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
5000 5000	==00	2080	780	680	Raised Standard	Standard	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
5880 5280					Raised Standard	Standard											•									
	880		704	(01	Raised Standard	Standard	•	•	•	•	•	•	•	•	•	•		•	•	•	•			•	•	•
		2081	781	681	Recessed Short	Standard	•	•	•	•	•	•	•	•	•	•		•	•	•	•			•	•	•
			782 790	682	Ribbed Short Raised Sculptured	Standard Standard	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•
	890		790	690	Raised Sculptured	Standard		_					-			•		-	•			•		•	•	•
9220 9221			0242		WG Flush/Overlays			_							-	<u> </u>		•		•	•			•		•
9230 9231					WG Flush/Overlays			-				-			-	-			•							
9620 9621					WG Flush/Overlays											-				•	•	•				
9630 9631					WG Flush/Overlays											-			•	•	•					
	7032 703		C2015		Smooth Ribbed	Ribbed													·		Ÿ					
<u>\sigma</u>			C2411 (Ribbed																				
<u>0</u>			C2411 C	CZ-113	Woodgrain Flush	All					•															
ро			C2460		Ribbed Short	Carriage																				
			C2461		Recessed Short	Carriage													•							
Σ			C2470		Raised Ranch	Ranch													•							
\subseteq			C2470		Recessed Short	Ranch													•							
Pa			C2471		Ribbed Short	Ranch																				
T.			C2480		Raised Standard	Standard					•															
			C2481		Recessed Short	Standard				•	•															
			C2482		Ribbed Short	Standard	•			•	•								•							
			J_ 102			J.C. IGGI G																				

Haas Door is Committed to Quality.

As a member of the Door and Access Systems Manufacturers Association (DASMA), Haas Door is committed to industry standards for quality and safety. In addition to these guidelines, Haas Door has developed its own quality assurance procedures.

Each raw material used in the manufacturing process is inspected daily for quality assurance. Steel used on the inside and outside skins is checked for accuracy in thickness and finish. The insulation material, a high density environmentally compliant polyurethane foam, is tested continuously on each production line to ensure that the correct density, blend of material, cure time and tested U-Factors are achieved.

Samples of manufactured doors are tested for quality and durability. Doors are cycled tens of thousands of times to test the performance and endurance of the sections, hinges, springs, cables, rollers, bottom seals, and track. Strength is measured using two separate tests. Individual sections are subjected to a dead load test, and complete doors are wind load tested. This ensures that Haas garage doors will meet wind load requirements for building codes across the country.

Haas continues to perform testing outside of the manufacturing facility, as both prototype and current doors are installed in various locations and monitored for durability. External labs are also used to test specific components to ensure quality standards.

Quality people and quality products are what make Haas Door the best garage door manufacturer in the industry. Open the door to endless possibilities!









Haas Door Company manufactures all garage doors in the U.S. and is committed to providing quality products that are safe for our customers and to the environment. Haas garage doors are made from steel that contains 80% recycled material. A plastic thermal break, made with recycled materials, separates each door section to eliminate metal-to-metal contact and the transfer of temperature. Haas also uses environmentally compliant polyurethane insulation, which results in some of the most energy-efficient doors on the market. Good for the environment and saves energy!

Haas Door has also implemented an ongoing improvement plan to gain efficiency and reduce waste, including a recycling program for scrap metal, cardboard and plastic. Many suppliers are regional, which minimizes fuel costs, and material packaging is reused or recycled whenever possible.



















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