



816 in bronze with large TL lites





816 in carbon black with large TL lites



816 in polar white with large TL lites

COMMERCIAL 800 SERIES

3" Thick



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

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The Architects' Choice For the Most Demanding Specifications

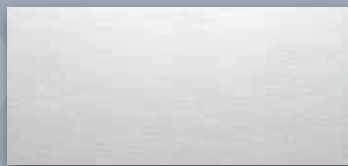
The outstanding features and benefits of the Haas 800 Series have made it the door of choice among commercial and industrial architects. The 800 series commercial insulated steel doors feature a full 3" pressure-injected core of high-density environmentally compliant polyurethane foam insulation with 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.



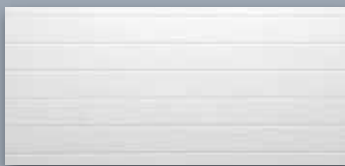
800 QUICK GUIDE

Model	Door Thickness	Tested U-Factor	Max. Door Size		End Stile Type	Section Skins		Color Options	Window Options
			Width	Height		Inside	Outside		
 814	3" (76.2mm)	0.089	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel	All except Plank, Graywood, and Bi-Directionals	TL
 816	3" (76.2mm)	0.089	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel	All except Plank, Graywood, and Bi-Directionals	TL
 832	3" (76.2mm)	.0.089	24'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel	Polar White and Brown	TL
 832-20	3" (76.2mm)	0.089	24'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel	Polar White and Brown	TL
 833	3" (76.2mm)	.0.089	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel	Polar White and Brown	TL
 833-20	3" (76.2mm)	0.089	38'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel	Polar White and Brown	TL
 870	3" (76.2mm)	0.089	24'-0"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel	All except Plank, Graywood, and Bi-Directionals	None
 880	3" (76.2mm)	0.089	24'-0"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel	All except Plank, Graywood, and Bi-Directionals	None
 890	3" (76.2mm)	0.089	24'-0"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel	All except Plank, Graywood, and Bi-Directionals	None

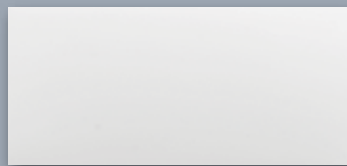
TL = TL Lites



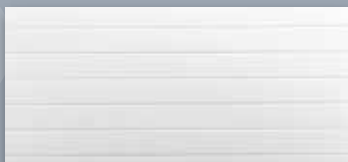
Flush Woodgrain Panel
Model 814



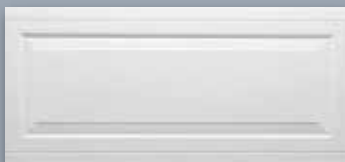
V-Groove Woodgrain Panel
Model 816



Flush Smooth Panel
Model 832, Model 832-20



V-Groove Smooth Panel
Model 833, Model 833-20



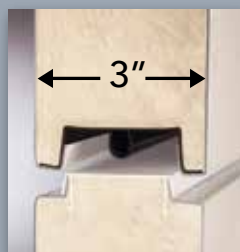
Raised Ranch Woodgrain Panel
Model 870



Raised Standard Woodgrain Panel
Model 880



Raised Sculptured Woodgrain Panel
Model 890



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)

