PRESSGLASS

DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-7/8" Insulating Unit

Constructed with a 3/8" glass outboard and two plies of 1/4" middle and inboard, all glass heat strengthened (HS)

Wind Load	Width (Base)	Height																													
		24"		36"		48"		60"		72"		84"		96"		108"		120"		132"		144"		156"		168"		180"		192"		204"		216"		228"	
		Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline
60 psf	24"	0.00"	1"	0.00"	7/8"	0.00"	7/8"	0.02"	3/4"	0.02"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.08"	3/4"	0.09"	3/4"	0.10"	3/4"
	36"	0.00"	7/8"	0.04"	7/8"	0.06"	3/4"	0.09"	3/4"	0.11"	3/4"	0.13"	3/4"	0.14"	3/4"	0.15"	3/4"	0.15"	3/4"	0.15"	3/4"	0.15"	3/4"	0.15"	3/4"	0.14"	3/4"	0.15"	3/4"	0.15"	3/4"	0.19"	3/4"	0.21"	3/4"	0.24"	3/4"
	48"	0.00"	7/8"	0.06"	3/4"	0.16"	7/8"	0.21"	7/8"	0.27"	3/4"	0.31"	3/4"	0.36"	3/4"	0.39"	3/4"	0.41"	3/4"	0.43"	3/4"	0.44"	3/4"	0.45"	3/4"	0.38"	3/4"	0.45"	3/4"	0.46"	3/4"	0.42"	3/4"	0.39"	3/4"	0.46"	3/4"
	60"	0.02"	3/4"	0.09"	3/4"	0.21"	7/8"	0.33"	7/8"	0.41"	7/8"	0.50"	7/8"	0.57"	7/8"	0.64"	7/8"	0.71"	7/8"	0.64"	7/8"	0.76"	7/8"	0.74"	7/8"	0.85"	7/8"	0.93"	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"
	72"	0.02"	3/4"	0.11"	3/4"	0.27"	3/4"	0.41"	7/8"	0.54"	1"	0.65"	1"	0.76"	1"	0.86"	1"	0.94"	1"	1.04"	1"	1.14"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	84"	0.03"	3/4"	0.13"	3/4"	0.31"	3/4"	0.50"	7/8"	0.65"	1"	0.77"	1"	0.91"	1"	1.03"	1"	1.16"	1"	1.27"	1"	1.40"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	96"	0.03"	3/4"	0.14"	3/4"	0.36"	3/4"	0.57"	7/8"	0.76"	1"	0.91"	1"	1.03"	1-1/8"	1.20"	1-1/8"	1.33"	1-1/8"	1.47"	1-1/8"	1.62"	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"
	108"	0.03"	3/4"	0.15"	3/4"	0.39"	3/4"	0.64"	7/8"	0.86"	1"	1.03"	1"	1.20"	1-1/8"	1.30"	1-1/4"	1.50"	1-1/4"	1.64"	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"
	120"	0.03"	3/4"	0.15"	3/4"	0.41"	3/4"	0.71"	7/8"	0.94"	1"	1.16"	1"	1.33"	1-1/8"	1.50"	1-1/4"	1.59"	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"	*FT req.*	1-3/8"
	132"	0.03"	3/4"	0.15"	3/4"	0.43"	3/4"	0.64"	7/8"	1.04"	1"	1.27"	1"	1.47"	1-1/8"	1.64"	1-1/4"	*FT req.*	1-3/8"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"	*FT req.*	1-1/2"
50 psf	24"	0.00"	1"	0.00"	7/8"	0.00"	3/4"	0.01"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.03"	3/4"	0.07"	3/4"	0.08"	5/8"	0.09"	5/8"
	36"	0.00"	7/8"	0.00"	7/8"	0.05"	3/4"	0.07"	3/4"	0.09"	5/8"	0.11"	5/8"	0.12"	5/8"	0.12"	5/8"	0.13"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.16"	5/8"	0.18"	5/8"	0.20"	5/8"
	48"	0.00"	3/4"	0.05"	3/4"	0.13"	3/4"	0.18"	3/4"	0.22"	3/4"	0.27"	3/4"	0.30"	3/4"	0.33"	3/4"	0.35"	3/4"	0.37"	3/4"	0.38"	3/4"	0.38"	3/4"	0.39"	3/4"	0.39"	3/4"	0.39"	3/4"	0.32"	3/4"	0.39"	3/4"	0.37"	3/4"
	60"	0.01"	3/4"	0.07"	3/4"	0.18"	3/4"	0.29"	7/8"	0.36"	3/4"	0.43"	3/4"	0.50"	3/4"	0.57"	3/4"	0.62"	3/4"	0.51"	3/4"	0.62"	3/4"	0.72"	3/4"	0.73"	3/4"	0.80"	3/4"	0.74"	3/4"	0.77"	3/4"	0.87"	3/4"	0.93"	3/4"
	72"	0.02"	3/4"	0.09"	5/8"	0.22"	3/4"	0.36"	3/4"	0.48"	7/8"	0.58"	7/8"	0.68"	7/8"	0.77"	7/8"	0.86"	7/8"	0.93"	7/8"	1.02"	7/8"	0.92"	7/8"	1.09"	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"
	84"	0.02"	3/4"	0.11"	5/8"	0.27"	3/4"	0.43"	3/4"	0.58"	7/8"	0.70"	1"	0.82"	1"	0.94"	1"	1.05"	1"	1.13"	1"	1.26"	1"	1.36"	1"	1.48"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	96"	0.02"	3/4"	0.12"	5/8"	0.30"	3/4"	0.50"	3/4"	0.68"	7/8"	0.82"	1"	0.94"	1"	1.08"	1"	1.22"	1"	1.34"	1"	1.48"	1"	1.60"	1"	1.73"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	108"	0.02"	3/4"	0.12"	5/8"	0.33"	3/4"	0.57"	3/4"	0.77"	7/8"	0.94"	1"	1.08"	1"	1.19"	1-1/8"	1.38"	1-1/8"	1.51"	1-1/8"	1.64"	1-1/8"	1.79"	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"
	120"	0.02"	3/4"	0.13"	5/8"	0.35"	3/4"	0.62"	3/4"	0.86"	7/8"	1.05"	1"	1.22"	1"	1.38"	1-1/8"	1.46"	1-1/8"	1.66"	1-1/8"	1.79"	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"
	132"	0.03"	3/4"	0.12"	5/8"	0.37"	3/4"	0.51"	3/4"	0.93"	7/8"	1.13"	1"	1.34"	1"	1.51"	1-1/8"	1.66"	1-1/8"	1.74"	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"	*FT req.*	1-1/4"
40 psf	24"	0.00"	1"	0.00"	7/8"	0.00"	3/4"	0.00"	3/4"	0.01"	3/4"	0.02"	3/4"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.05"	5/8"	0.06"	5/8"	0.07"	5/8"
	36"	0.00"	7/8"	0.00"	3/4"	0.03"	5/8"	0.05"	5/8"	0.07"	5/8"	0.08"	5/8"	0.09"	5/8"	0.10"	5/8"	0.10"	5/8"	0.10"	5/8"	0.10"	5/8"	0.10"	5/8"	0.09"	5/8"	0.10"	5/8"	0.10"	5/8"	0.13"	5/8"	0.14"	5/8"	0.16"	5/8"
	48"	0.00"	3/4"	0.03"	5/8"	0.10"	3/4"	0.14"	5/8"	0.18"	5/8"	0.22"	5/8"	0.25"	5/8"	0.27"	5/8"	0.29"	5/8"	0.30"	5/8"	0.31"	5/8"	0.31"	5/8"	0.31"	5/8"	0.31"	5/8"	0.31"	5/8"	0.25"	5/8"	0.31"	5/8"	0.29"	5/8"
	60"	0.00"	3/4"	0.05"	5/8"	0.14"	5/8"	0.24"	3/4"	0.30"	3/4"	0.37"	3/4"	0.43"	3/4"	0.48"	3/4"	0.53"	5/8"	0.57"	5/8"	0.60"	5/8"	0.63"	5/8"	0.65"	5/8"	0.67"	5/8"	0.69"	5/8"	0.62"	5/8"	0.72"	5/8"	0.74"	5/8"
	72"	0.01"	3/4"	0.07"	5/8"	0.18"	5/8"	0.30"	3/4"	0.41"	3/4"	0.50"	3/4"	0.59"	3/4"	0.67"	3/4"	0.75"	3/4"	0.82"	3/4"	0.88"	3/4"	0.76"	3/4"	0.91"	3/4"	0.90"	3/4"	1.04"	3/4"	1.23"	3/4"	1.31"	3/4"	1.18"	3/4"
	84"	0.02"	3/4"	0.08"	5/8"	0.22"	5/8"	0.37"	3/4"	0.50"	3/4"	0.61"	7/8"	0.72"	7/8"	0.83"	7/8"	0.93"	7/8"	1.03"	7/8"	1.10"	7/8"	1.20"	7/8"	1.30"	7/8"	1.32"	7/8"	1.30"	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"
	96"	0.02"	5/8"	0.09"	5/8"	0.25"	5/8"	0.43"	3/4"	0.59"	3/4"	0.72"	7/8"	0.83"	7/8"	0.96"	7/8"	1.08"	7/8"	1.20"	7/8"	1.31"	7/8"	1.42"	7/8"	1.53"	7/8"	1.65"	7/8"	1.77"	7/8"	*FT req.*	7/8"	*FT req.*	7/8"	*FT req.*	7/8"
	108"	0.02"	5/8"	0.10"	5/8"	0.27"	5/8"	0.48"	3/4"	0.67"	3/4"	0.83"	7/8"	0.96"	7/8"	1.07"	1"	1.21"	1"	1.35"	1"	1.47"	1"	1.60"	1"	1.74"	1"	1.88"	1"	>1.97"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	120"	0.02"	5/8"	0.10"	5/8"	0.29"	5/8"	0.53"	5/8"	0.75"	3/4"	0.93"	7/8"	1.08"	7/8"	1.21"	1"	1.31"	1"	1.49"	1"	1.62"	1"	1.75"	1"	1.89"	1"	>1.97"	1"	>1.97"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	132"	0.02"	5/8"	0.10"	5/8"	0.30"	5/8"	0.57"	5/8"	0.82"	3/4"	1.03"	7/8"	1.20"	7/8"	*1.35"*	1"	1.49"	1"	1.57"	1-1/8"	1.75"	1-1/8"	1.93"	1-1/8"	>1.97"	1-1/8"	>1.97"	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"	*FT req.*	1-1/8"
30 psf	24"	0.00"	1"	0.00"	3/4"	0.00"	3/4"	0.00"	3/4"	0.00"	5/8"	0.01"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.04"	5/8"	0.05"	5/8"	0.05"	5/8"
	36"	0.00"	3/4"	0.00"	3/4"	0.00"	5/8"	0.03"	5/8"	0.05"	5/8"	0.06"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.07"	1/2"	0.09"	1/2"	0.11"	1/2"	0.12"	1/2"
	48"	0.00"	3/4"	0.00"	5/8"	0.08"	5/8"	0.10"	5/8"	0.13"	5/8"	0.16"	5/8"	0.19"	5/8"	0.21"	1/2"	0.22"	1/2"	0.23"	1/2"	0.24"	1/2"	0.24"	1/2"	0.24"	1/2"	0.24"	1/2"	0.23"	1/2"	0.20"	1/2"	0.24"	1/2"	0.23"	1/2"
	60"	0.00"	3/4"	0.03"	5/8"	0.10"	5/8"	0.19"	5/8"	0.24"	5/8"	0.29"	5/8"	0.34"	5/8"	0.38"	5/8"	0.42"	5/8"	0.45"	5/8"	0.48"	5/8"	0.50"	5/8"	0.51"	5/8"	0.53"	5/8"	0.54"	5/8"	0.51"	5/8"	0.50"	5/8"	0.57"	5/8"
	72"	0.00"	5/8"	0.05"	5/8"	0.13"	5/8"	0.24"	5/8"	0.34"	5/8"	0.41"	5/8"	0.48"	5/8"	0.55"	5/8"	0.61"	5/8"	0.67"	5/8"	0.73"	5/8"	0.78"	5/8"	0.82"	5/8"	0.86"	5/8"	0.85"	5/8"	0.95"	5/8"	1.04"	5/8"	0.84"	5/8"
	84"	0.01"	5/8"	0.06"	1/2"	0.16"	5/8"	0.29"	5/8"	0.41"	5/8"	0.51"	3/4"	0.60"	3/4"	0.69"	3/4"	0.78"	3/4"	0.87"	3/4"	0.95"	3/4"	1.02"	3/4"	1.09"	3/4"	1.14"	3/4"	1.09"	3/4"	1.25"	3/4"	1.37"	3/4"	1.49"	3/4"
	96"	0.02"	5/8"	0.07"	1/2"	0.19"	5/8"	0.34"	5/8"	0.48"	5/8"	0.60"	3/4"	0.71"	3/4"	0.82"	3/4"	0.92"	3/4"	1.03"	3/4"	1.13"	3/4"	1.23"	3/4"	1.32"	3/4"	1.40"	3/4"	1.50"	3/4"	1.62"	3/4"	1.66"	3/4"	1.82"	3/4"
	108"	0.02"	5/8"	0.07"	1/2"	0.21"	1/2"	0.38"	5/8"	0.55"	5/8"	0.69"	3/4"	0.82"	3/4"	0.92"	3/4"	1.04"	3/4"	1.16"	3/4"	1.28"	3/4"	1.39"	3/4"	1.51"	3/4"	1.62"	3/4"	1.75"	3/4"	1.86"	3/4"	>1.97"	3/4"	>1.97"	3/4"
	120"	0.02"	5/8"	0.07"	1/2"	0.22"	1/2"	0.42"	5/8"	0.61"	5/8"	0.78"	3/4"	0.92"	3/4"	1.04"	3/4"	1.14"	7/8"	1.28"	7/8"	1.41"	7/8"	1.54"	7/8"	1.64"	7/8"	1.77"	7/8"	1.94"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"
	132"	0.02"	5/8"	0.07"	1/2"	0.23"	1/2"	0.45"	5/8"	0.67"	5/8"	0.87"	3/4"	1.03"	3/4"	1.16"	3/4"	1.28"	7/8"	1.38"	7/8"	1.52"	7/8"	1.67"	7/8"	1.79"	7/8"	1.93"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"

Values are for vertically installed glass. Deflection is center of glass based on ASTM E1300 and is calculated using Window Glass Design (WGD5) and Advanced Window Glass Design (v3.0.1.0). Sightline is for structurally glazed units based on ASTM C1249. When conventionally glazed, the minimum sightline is 1/2".