PRESSGLASS

DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-1/4" Insulating Unit

Constructed with two plies of 3/8" heat strengthened (HS) glass

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	Deflection	Sightline
60 psf	24"	0.00"	1"	0.00"	7/8"	0.00"	7/8"	0.00"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.06"	3/4"	0.07"	3/4"	0.07"	3/4"
	36"	0.00"	7/8"	0.00"	7/8"	0.04"	3/4"	0.06"	3/4"	0.08"	5/8"	0.09"	5/8"	0.10"	5/8"	0.11"	5/8"	0.11"	5/8"	0.11"	5/8"	0.11"	5/8"	0.11"	5/8"	0.10"	5/8"	0.11"	5/8"	0.11"	5/8"	0.14"	5/8"	0.15"	5/8"	0.17"	5/8"
	48"	0.00"	7/8"	0.04"	3/4"	0.12"	3/4"	0.16"	3/4"	0.20"	5/8"	0.24"	5/8"	0.27"	5/8"	0.30"	5/8"	0.32"	5/8"	0.33"	5/8"	0.34"	5/8"	0.34"	5/8"	0.34"	5/8"	0.34"	5/8"	0.34"	5/8"	0.34"	5/8"	0.31"	5/8"	0.31"	5/8"
	60"	0.00"	3/4"	0.06"	3/4"	0.16"	3/4"	0.26"	3/4"	0.33"	3/4"	0.39"	3/4"	0.46"	3/4"	0.52"	5/8"	0.57"	5/8"	0.61"	5/8"	0.65"	5/8"	0.68"	5/8"	0.70"	5/8"	0.73"	5/8"	0.74"	5/8"	0.61"	5/8"	0.73"	5/8"	0.74"	5/8"
	72"	0.02"	3/4"	0.08"	5/8"	0.20"	5/8"	0.33"	3/4"	0.44"	3/4"	0.53"	3/4"	0.62"	3/4"	0.71"	3/4"	0.79"	3/4"	0.87"	3/4"	0.94"	3/4"	1.01"	3/4"	0.91"	3/4"	1.06"	3/4"	1.08"	3/4"	1.20"	3/4"	1.28"	3/4"	1.23"	3/4"
	84"	0.02"	3/4"	0.09"	5/8"	0.24"	5/8"	0.39"	3/4"	0.53"	3/4"	0.65"	3/4"	0.76"	3/4"	0.87"	3/4"	0.98"	3/4"	1.09"	3/4"	1.19"	3/4"	1.27"	3/4"	1.38"	3/4"	1.32"	3/4"	1.51"	3/4"	*FT req.*	3/4"	*FT req.*	3/4"	*FT req.*	3/4"
	96"	0.02"	3/4"	0.10"	5/8"	0.27"	5/8"	0.46"	3/4"	0.62"	3/4"	0.76"	3/4"	0.88"	7/8"	1.01"	7/8"	1.14"	7/8"	1.26"	7/8"	1.39"	7/8"	1.49"	7/8"	1.61"	7/8"	1.74"	7/8"	1.87"	7/8"	1.85"	7/8"	*FT req.*	7/8"	*FT req.*	7/8"
	108"	0.02"	3/4"	0.11"	5/8"	0.30"	5/8"	0.52"	5/8"	0.71"	3/4"	0.87"	3/4"	1.01"	7/8"	1.12"	7/8"	1.27"	7/8"	1.41"	7/8"	1.55"	7/8"	1.69"	7/8"	1.83"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"	*FT req.*	7/8"	*FT req.*	7/8"
	120"	0.02"	3/4"	0.11"	5/8"	0.32"	5/8"	0.57"	5/8"	0.79"	3/4"	0.98"	3/4"	1.14"	7/8"	1.27"	7/8"	1.38"	1"	1.53"	1"	1.72"	1"	1.84"	1"	>1.97"	1"	>1.97"	1"	>1.97"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
	132"	0.02"	3/4"	0.11"	5/8"	0.33"	5/8"	0.61"	5/8"	0.87"	3/4"	1.09"	3/4"	1.26"	7/8"	1.41"	7/8"	1.53"	1"	1.64"	1"	1.85"	1"	>1.97"	1"	>1.97"	1"	>1.97"	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"	*FT req.*	1"
50 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"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	3/4"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.05"	5/8"	0.06"	5/8"	0.06"	5/8"
	36"	0.00"	7/8"	0.00"	7/8"	0.03"	3/4"	0.05"	5/8"	0.06"	5/8"	0.08"	5/8"	0.08"	5/8"	0.09"	5/8"	0.09"	5/8"	0.09"	5/8"	0.09"	5/8"	0.09"	5/8"	0.09"	5/8"	0.09"	5/8"	0.09"	5/8"	0.11"	5/8"	0.13"	5/8"	0.14"	5/8"
	48"	0.00"	3/4"	0.03"	3/4"	0.10"	3/4"	0.13"	5/8"	0.17"	5/8"	0.20"	5/8"	0.23"	5/8"	0.25"	5/8"	0.27"	5/8"	0.28"	5/8"	0.28"	5/8"	0.29"	5/8"	0.29"	5/8"	0.29"	5/8"	0.29"	5/8"	0.26"	5/8"	0.24"	5/8"	0.28"	5/8"
	60"	0.00"	3/4"	0.05"	5/8"	0.13"	5/8"	0.22"	5/8"	0.28"	5/8"	0.34"	5/8"	0.40"	5/8"	0.45"	5/8"	0.49"	5/8"	0.53"	5/8"	0.56"	5/8"	0.59"	5/8"	0.61"	5/8"	0.62"	5/8"	0.64"	5/8"	0.63"	5/8"	0.59"	5/8"	0.67"	5/8"
	72"	0.01"	3/4"	0.06"	5/8"	0.17"	5/8"	0.28"	5/8"	0.39"	3/4"	0.47"	5/8"	0.55"	5/8"	0.63"	5/8"	0.70"	5/8"	0.77"	5/8"	0.83"	5/8"	0.89"	5/8"	0.94"	5/8"	0.99"	5/8"	1.01"	5/8"	1.04"	5/8"	1.12"	5/8"	0.98"	5/8"
	84"	0.02"	3/4"	0.08"	5/8"	0.20"	5/8"	0.34"	5/8"	0.47"	5/8"	0.58"	3/4"	0.68"	3/4"	0.78"	3/4"	0.88"	3/4"	0.98"	3/4"	1.07"	3/4"	1.15"	3/4"	1.24"	3/4"	1.09"	3/4"	1.29"	3/4"	1.30"	3/4"	1.59"	3/4"	1.68"	3/4"
	96"	0.02"	3/4"	0.08"	5/8"	0.23"	5/8"	0.40"	5/8"	0.55"	5/8"	0.68"	3/4"	0.79"	3/4"	0.91"	3/4"	1.03"	3/4"	1.15"	3/4"	1.26"	3/4"	1.37"	3/4"	1.48"	3/4"	1.57"	3/4"	1.69"	3/4"	1.77"	3/4"	1.91"	3/4"	>1.97"	3/4"
	108"	0.02"	3/4"	0.09"	5/8"	0.25"	5/8"	0.45"	5/8"	0.63"	5/8"	0.78"	3/4"	0.91"	3/4"	1.02"	7/8"	1.15"	7/8"	1.29"	7/8"	1.42"	3/4"	1.54"	3/4"	1.67"	3/4"	1.79"	3/4"	1.92"	3/4"	>1.97"	3/4"	>1.97"	3/4"	>1.97"	3/4"
	120"	0.02"	3/4"	0.09"	5/8"	0.27"	5/8"	0.49"	5/8"	0.70"	5/8"	0.88"	3/4"	1.03"	3/4"	1.15"	7/8"	1.26"	7/8"	1.41"	7/8"	1.55"	7/8"	1.69"	7/8"	1.83"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"
	132"	0.02"	3/4"	0.09"	5/8"	0.28"	5/8"	0.53"	5/8"	0.77"	5/8"	0.98"	3/4"	1.15"	3/4"	1.29"	7/8"	1.41"	7/8"	1.51"	7/8"	1.67"	7/8"	1.84"	7/8"	1.96"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"	>1.97"	7/8"
40 psf	24"	0.00"	1"	0.00"	7/8"	0.00"	3/4"	0.00"	3/4"	0.00"	3/4"	0.01"	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"	0.04"	5/8"	0.04"	5/8"	0.05"	5/8"
	36"	0.00"	7/8"	0.00"	3/4"	0.00"	5/8"	0.03"	5/8"	0.04"	5/8"	0.06"	5/8"	0.06"	5/8"	0.07"	5/8"	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"	0.10"	1/2"	0.11"	1/2"
	48"	0.00"	3/4"	0.00"	5/8"	0.07"	5/8"	0.10"	5/8"	0.13"	5/8"	0.16"	5/8"	0.18"	1/2"	0.20"	1/2"	0.22"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.20"	1/2"	0.19"	1/2"	0.22"	1/2"
	60"	0.00"	3/4"	0.03"	5/8"	0.10"	5/8"	0.18"	5/8"	0.23"	5/8"	0.29"	5/8"	0.33"	5/8"	0.38"	5/8"	0.41"	5/8"	0.44"	1/2"	0.47"	1/2"	0.49"	1/2"	0.51"	1/2"	0.52"	1/2"	0.53"	1/2"	0.51"	1/2"	0.48"	1/2"	0.54"	1/2"
	72"	0.00"	3/4"	0.04"	5/8"	0.13"	5/8"	0.23"	5/8"	0.33"	5/8"	0.40"	5/8"	0.47"	5/8"	0.54"	5/8"	0.60"	5/8"	0.66"	5/8"	0.72"	5/8"	0.76"	5/8"	0.81"	5/8"	0.84"	5/8"	0.88"	5/8"	0.87"	5/8"	0.94"	5/8"	0.79"	5/8"
	84"	0.01"	3/4"	0.06"	5/8"	0.16"	5/8"	0.29"	5/8"	0.40"	5/8"	0.51"	5/8"	0.60"	5/8"	0.68"	5/8"	0.77"	5/8"	0.85"	5/8"	0.93"	5/8"	1.01"	5/8"	1.08"	5/8"	1.15"	5/8"	1.21"	5/8"	1.25"	5/8"	1.36"	5/8"	1.42"	5/8"
	96"	0.02"	5/8"	0.06"	5/8"	0.18"	1/2"	0.33"	5/8"	0.47"	5/8"	0.60"	5/8"	0.70"	5/8"	0.81"	5/8"	0.91"	5/8"	1.01"	5/8"	1.11"	5/8"	1.21"	5/8"	1.31"	5/8"	1.40"	5/8"	1.49"	5/8"	1.54"	5/8"	1.65"	5/8"	1.80"	5/8"
	108"	0.02"	5/8"	0.07"	5/8"	0.20"	1/2"	0.38"	5/8"	0.54"	5/8"	0.68"	5/8"	0.81"	5/8"	0.91"	3/4"	1.03"	3/4"	1.15"	3/4"	1.26"	3/4"	1.38"	3/4"	1.49"	3/4"	1.60"	3/4"	1.72"	3/4"	1.82"	3/4"	1.97"	3/4"	>1.97"	3/4"
	120"	0.02"	5/8"	0.07"	1/2"	0.22"	1/2"	0.41"	5/8"	0.60"	5/8"	0.77"	5/8"	0.91"	5/8"	1.03"	3/4"	1.13"	3/4"	1.26"	3/4"	1.39"	3/4"	1.52"	3/4"	1.65"	3/4"	1.77"	3/4"	1.90"	3/4"	>1.97"	3/4"	>1.97"	3/4"	>1.97"	3/4"
	132"	0.02"	5/8"	0.07"	1/2"	0.23"	1/2"	0.44"	1/2"	0.66"	5/8"	0.85"	5/8"	1.01"	5/8"	1.15"	3/4"	1.26"	3/4"	1.36"	3/4"	1.50"	3/4"	1.64"	3/4"	1.78"	3/4"	1.92"	3/4"	2.06"	3/4"	>1.97"	3/4"	>1.97"	3/4"	>1.97"	3/4"
30 psf	24"	0.00"	1"	0.00"	3/4"	0.00"	3/4"	0.00"	3/4"	0.00"	5/8"	0.00"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	0.01"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"
	36"	0.00"	3/4"	0.00"	3/4"	0.00"	5/8"	0.02"	5/8"	0.03"	1/2"	0.04"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.07"	1/2"	0.08"	1/2"	0.08"	1/2"
	48"	0.00"	3/4"	0.00"	5/8"	0.05"	5/8"	0.07"	1/2"	0.09"	1/2"	0.12"	1/2"	0.14"	1/2"	0.15"	1/2"	0.16"	1/2"	0.17"	1/2"	0.17"	1/2"	0.18"	1/2"	0.17"	1/2"	0.17"	1/2"	0.17"	1/2"	0.16"	1/2"	0.15"	1/2"	0.17"	1/2"
	60"	0.00"	3/4"	0.02"	5/8"	0.07"	1/2"	0.14"	5/8"	0.18"	1/2"	0.22"	1/2"	0.26"	1/2"	0.29"	1/2"	0.32"	1/2"	0.35"	1/2"	0.37"	1/2"	0.38"	1/2"	0.40"	1/2"	0.40"	1/2"	0.41"	1/2"	0.42"	1/2"	0.38"	1/2"	0.38"	1/2"
	72"	0.00"	5/8"	0.03"	1/2"	0.09"	1/2"	0.18"	1/2"	0.27"	5/8"	0.33"	1/2"	0.38"	1/2"	0.44"	1/2"	0.49"	1/2"	0.54"	1/2"	0.58"	1/2"	0.62"	1/2"	0.65"	1/2"	0.68"	1/2"	0.71"	1/2"	0.70"	1/2"	0.75"	1/2"	0.66"	1/2"
	84"	0.00"	5/8"	0.04"	1/2"	0.12"	1/2"	0.22"	1/2"	0.33"	1/2"	0.42"	5/8"	0.49"	5/8"	0.57"	5/8"	0.64"	1/2"	0.71"	1/2"	0.78"	1/2"	0.84"	1/2"	0.90"	1/2"	0.95"	1/2"	1.00"	1/2"	0.90"	1/2"	1.11"	1/2"	1.15"	1/2"
	96"	0.01"	5/8"	0.05"	1/2"	0.14"	1/2"	0.26"	1/2"	0.38"	1/2"	0.49"	5/8"	0.59"	5/8"	0.68"	5/8"	0.77"	5/8"	0.86"	5/8"	0.94"	5/8"	1.03"	5/8"	1.11"	5/8"	1.18"	5/8"	1.26"	5/8"	1.09"	5/8"	1.39"	5/8"	1.42"	5/8"
	108"	0.01"	5/8"	0.05"	1/2"	0.15"	1/2"	0.29"	1/2"	0.44"	1/2"	0.57"	5/8"	0.68"	5/8"	0.78"	5/8"	0.88"	5/8"	0.98"	5/8"	1.08"	5/8"	1.18"	5/8"	1.28"	5/8"	1.38"	5/8"	1.47"	5/8"	1.55"	5/8"	1.69"	5/8"	1.69"	5/8"
	120"	0.01"	5/8"	0.05"	1/2"	0.16"	1/2"	0.32"	1/2"	0.49"	1/2"	0.64"	1/2"	0.77"	5/8"	0.88"	5/8"	0.98"	5/8"	1.09"	5/8"	1.20"	5/8"	1.32"	5/8"	1.43"	5/8"	1.54"	5/8"	1.65"	5/8"	1.74"	5/8"	1.87"	5/8"	>1.97"	5/8"
	132"	0.01"	5/8"	0.05"	1/2"	0.17"	1/2"	0.35"	1/2"	0.54"	1/2"	0.71"	1/2"	0.86"	5/8"	0.98"	5/8"	1.09"	5/8"	1.19"	5/8"	1.31"	5/8"	1.43"	5/8"	1.55"	5/8"	1.68"	5/8"	1.80"	5/8"	1.94"	5/8"	>1.97"	5/8"	>1.97"	5/8"

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".