



# Comparison chart

ALUMINUM FULL VIEW DOORS											
Manufacturer	Product	Section		Aluminum Type	Aluminum Thickness	Glazing Type	Spring	Center Stile Width	End Stile Width	Colors Available	Strut Type /Attachment
		Thickness	Insulation								
Amarr	Model 3500	2"	n/a	6063-T6	.050"	1/8" DSB	10,000 cycle min., 25,000; 50,000; 100,000 cycle	2-3/4"	3-3/8"	Mill aluminum	Steel strut bolted to section
CHI	Model 3290	2"	n/a	6063-T5 or T6	n/a	1/8" Float, 7/16" Insulated Glass and 1/4" Tempered	10,000 cycle min., 20,000; 50,000; 100,000 cycle	2"	4"	Clear Anodized and White	n/a
<b>Clopay</b>	<b>Model 902</b>	<b>2-1/8"</b>	<b>Available</b>	<b>6063-T5</b>	<b>.050"</b>	<b>1/16" panel, 1/8", 1/4" and 7/16" insulated glass</b>	<b>10,000 cycle min., 25,000; 50,000; 100,000 cycle</b>	<b>2-3/16"</b>	<b>3.5"</b>	<b>Match arch. sample</b>	<b>Aluminum built in fin with bolt on angle</b>
<b>Ideal Door</b>	<b>Model C2AL, C2AL, C2AL</b>	<b>2-1/8"</b>	<b>Available</b>	<b>6063-T5</b>	<b>.050"</b>	<b>1/16" panel, 1/8", 1/4" and 7/16" insulated glass</b>	<b>10,000 cycle min., 25,000; 50,000; 100,000 cycle</b>	<b>2-3/16"</b>	<b>3.5"</b>	<b>Match arch. sample</b>	<b>Aluminum built in fin with bolt on angle</b>
Overhead Door	Model 511	1-3/4"	n/a	6063-T6	.050"	1/16" panel, 1/8", and 1/4" glass	10,000 cycle min., 25,000; 50,000; 100,000 cycle	5/8"	2-3/4"	Will match color from company standard paint	Steel strut bolted to section
Overhead Door	Model 521	1-3/4"	Available	6063-T6	.050"	1/16" panel, 1/8", 1/4" and 7/16" insulated glass	10,000 cycle min., 25,000; 50,000; 100,000 cycle	2"	3"	Will match color from company standard paint	Steel strut bolted to section
Raynor	Model L	1-3/4"		6063-T6	.050"	1/16" panel, 1/8" and 1/4" glass		7/16"	2-5/8"		Integral rib
Wayne Dalton	Model 451/452	1-3/8"		6063-T6	n/a	panel, 1/8" and 1/2"	10,000 cycle min., 25,000; 50,000; 100,000 cycle	3"	3-1/2"		Steel strut bolted to section
Wayne Dalton	Model K-AL	2"		6063-T5		panel, 1/8" and 1/2"	10,000 cycle min., 25,000; 50,000; 100,000 cycle	3"	3"		Steel strut bolted to section

Note: All information is based on best available published literature, as of 11/08.



# Comparison chart

PAN DOORS							
Manufacturer	Product	Section Gauge	Face Design	Section Thickness	Stile Attachment	Max Pub. Size	Manufacturing Sites
Overhead Door	416 Series	16 gauge	flush	2"	n/a	24' x 18'	Grand Island, NE; Williamsport, PA
Raynor	S-16	16 gauge	flush	2"	rivets/weld	24' x 18'	Dixon, IL
Wayne-Dalton	Model 216	16 gauge	flush	2"	rivets	24' x 18'	Mt. Hope, OH
Windsor	Model 160	16 gauge	flush	2"	Tog-L-Loc®	24 x 20	Little Rock, AR
<b>Clopay</b>	<b>Model 520</b>	<b>20 gauge</b>	<b>smooth rib</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>26' x 20'</b>	<b>Russia, OH</b>
Amarr	Model 2000	20 gauge	smooth rib	2"	Tog-L-Loc®	24' x 16'	Winston-Salem, NC
CHI	Model 3220	20 gauge	smooth rib	2"		24' x 18'	
GADCO	Series 4420	20 gauge	smooth rib	2"	blind rivets	n/a	Montgomery, IL
Haas	Model 220	20 gauge	smooth rib	2"			
<b>Ideal Door</b>	<b>Model C1ST</b>	<b>20 gauge</b>	<b>flush</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>26' x 20'</b>	<b>Baldwin, WI</b>
<b>Ideal Door</b>	<b>Model C0ST</b>	<b>20 gauge</b>	<b>smooth rib</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>26' x 20'</b>	<b>Baldwin, WI</b>
<b>20 Gauge Products</b>							
Overhead Door	420 Series	20 gauge	smooth rib	2"	n/a	24' x 18'	Grand Island, NE; Williamsport, PA; Athens, GA
Raynor	Model S-20	20 gauge	smooth rib	2"	rivets/weld	24' x 24'	Dixon, IL
Wayne-Dalton	Model 220	20 gauge	smooth rib	2"	rivet	24' x 18'	Mt. Hope, OH
Wayne-Dalton	Model 20	20 gauge	smooth rib	2"	adhesive/fasteners	24' x 18'	Pensacola, FL
Wayne-Dalton	Model 2420	20 gauge	smooth rib	2"	n/a	24' x 18'	Mt. Hope, OH
Windsor	Model 200	20 gauge	smooth rib	2"	Tog-L-Loc®	n/a	Little Rock, AR
<b>24 Gauge Products</b>							
Amarr	Model 2400	24 gauge	smooth rib	2"	Tog-L-Loc®	24' x 16'	Winston-Salem, NC
CHI	Model 3240	24 gauge	smooth rib	2"	Tog-L-Loc®		
<b>Clopay</b>	<b>Model 524</b>	<b>24 gauge</b>	<b>smooth rib</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>24' x 20'</b>	<b>Russia, OH</b>
GADCO	Series 4324	24 gauge	smooth rib	2"	blind rivets	n/a	Montgomery, IL
Haas	Model 224	24 gauge	smooth rib	2"	blind rivets	n/a	Wauseon, OH
<b>Ideal Door</b>	<b>Model C4ST</b>	<b>24 gauge</b>	<b>smooth rib</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>24' x 20'</b>	<b>Baldwin, WI</b>
Overhead Door	424 Series	24 gauge	smooth rib	2"	n/a	24' x 18'	Grand Island, NE; Williamsport, PA; Athens, GA
Raynor	Series S-24	24 gauge	smooth rib	2"	rivets/weld	24' x 24'	Dixon, IL
Wayne-Dalton	Model 224	24 gauge	smooth rib	2"	rivets	24' x 18'	Mt. Hope, OH
Wayne-Dalton	Model 2415	24 gauge	smooth rib	2"	n/a	24' x 18'	Mt. Hope, OH
Wayne-Dalton	Model 24	24 gauge	smooth rib	2"	adhesive/fasteners	24' x 18'	Pensacola, FL
Windsor	Model 240	24 gauge	smooth rib	2"	Tog-L-Loc®	n/a	Little Rock, AR
<b>Clopay</b>	<b>Model 692</b>	<b>24 gauge</b>	<b>raised panel</b>	<b>2-1/8"</b>	<b>Tog-L-Loc®</b>	<b>24' x 18'</b>	<b>Russia, OH</b>
<b>Ideal Door</b>	<b>Model C4RST</b>	<b>24 gauge</b>	<b>raised panel</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>24' x 20'</b>	<b>Baldwin, WI</b>
<b>25, 26, and Nom. 24 Ga. Products</b>							
Amarr	Model 2500	26 gauge	woodgrain, rib	2"	Tog-L-Loc®	16' x 16'	Winston-Salem, NC
CHI	Model 3260	26 gauge	smooth rib	2"	Tog-L-Loc®	n/a	
<b>Clopay</b>	<b>Model 525</b>	<b>25 gauge</b>	<b>smooth rib</b>	<b>2-1/8"</b>	<b>Tog-L-Loc®</b>	<b>20 x 16</b>	<b>Russia, OH</b>
GADCO	Series 4726	26 gauge	rough saw rib	2"	blind rivets	n/a	Montgomery, IL
Haas	Model 224E	26 gauge	smooth rib	2"	blind rivets	16' x 16'	Wauseon, OH
<b>Ideal Door</b>	<b>Model C5ST</b>	<b>25 gauge</b>	<b>smooth rib</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>18' x 14'</b>	<b>Baldwin, WI</b>
<b>Ideal Door</b>	<b>Model C5EST</b>	<b>25 gauge</b>	<b>woodgrain rib</b>	<b>2"</b>	<b>Tog-L-Loc®</b>	<b>18' x 14'</b>	<b>Baldwin, WI</b>
Overhead Door	430 Series	nom 24	smooth rib	2"	n/a	20' x 16'	Grand Island, NE; Williamsport, PA; Athens, GA
Raynor	Series S-26	26 gauge	stucco rib	2"	rivets/weld	14' x 14'	Dixon, IL
Wayne-Dalton	Model 2411	26 gauge	smooth rib	2"	n/a	18' x 16'	Pensacola, FL
Wayne-Dalton	Model 2400	nom 24	smooth/pebble rib	2"	adhesive/fasteners	20' x 14'	Portland, OR

Note: 24 ga. G60 steel is no thinner than 0.0219 inches thick per AISI and DASMA.  
Nom. 24 ga. G-60 may be as thin as 0.0189 inches thick, or 25 ga.

Note: All information is based on best available published literature, as of 11/08.



# Comparison chart

## INSULATED PAN DOORS

	Manufacturer	Product	Section Gauge	Face Design	Section Thickness	Insulation	Mfg Pub. R-Value	Steel Backer Gauge	Stile Attachment	Maximum	
										Published Size	
16 Ga. Products	Overhead Door	418 Series	16 gauge	flush	2"	EPS, ISO	7.35, 11.69	26	n/a	24' x 18'	
	Raynor	S-16	16 gauge	flush	2"	EPS, FG	6.11, 7.37	n/a		24' x 18'	
	Wayne-Dalton	Model 216	16 gauge	flush	2"	EPS	6.6	n/a		24' x 18'	
	Windsor	Model 160	16 gauge	flush	2"	EPS, PUR	n/a	n/a		24' x 20'	
20 Gauge Products	Amarr	Model 2000	20 gauge	smooth rib	2"	EPS	n/a	n/a	Tog-L-Loc®	24' x 16'	
	CHI	Model 3221	20 gauge	smooth rib	2"	EPS	6.81		vinyl	24' x 18'	
	CHI	Model 3222	20 gauge	smooth rib	2"	EPS	6.81	30	Tog-L-Loc®	24' x 18'	
	Clipay	Model 520S	20 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	26' x 20'	
	GADCO	Series 4420	20 gauge	smooth rib	2"	EPS, FG, ISO	5.92, 7.19, 9.8	26, 24, 20	blind rivets	n/a	
	Ideal Door	Model C1SS	20 gauge	flush	2"	EPS	7.14	30, 24	Tog-L-Loc®	26' x 20'	
	Ideal Door	Model C0SS	20 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	26' x 20'	
	Overhead Door	422	20 gauge	smooth rib	2"	EPS, ISO	7.35, 11.69	26	n/a		24' x 18'
	Raynor	Model S-20	20 gauge	smooth rib	2"	EPS, FG	6.11, 7.37	26, 24, 20	rivets/weld		24' x 24'
	Wayne-Dalton	Model 220	20 gauge	smooth rib	2"	EPS	6.6	24	rivet		24' x 18'
	Wayne-Dalton	Model 20	20 gauge	smooth rib	2"	n/a	n/a	n/a	adhesive/fasteners		24' x 18'
	Wayne-Dalton	Model 2420	20 gauge	smooth rib	2"	EPS, PUR	6.6, 11.1	n/a	n/a		24' x 18'
	Windsor	Model 200	20 gauge	smooth rib	2"	EPS, PUR	n/a	n/a	Tog-L-Loc®		n/a
	24 Gauge Products	Amarr	Model 2400	24 gauge	smooth rib	2"	EPS	n/a	n/a	Tog-L-Loc®	24' x 16'
		CHI	Model 3241	24 gauge	smooth rib	2"	EPS	6.81	n/a	Tog-L-Loc®	24' x 18'
		CHI	Model 3242	24 gauge	smooth rib	2"	EPS	6.81	n/a	Tog-L-Loc®	24' x 18'
Clipay		Model 524S	24 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	24' x 18'	
Clipay		Model 524V	24 gauge	smooth rib	2"	EPS	7.14	vinyl	Tog-L-Loc®	24' x 20'	
Clipay		Model 652V	24 gauge	raised panel	2 1/8"	EPS	7.44	vinyl	Tog-L-Loc®	24' x 20'	
GADCO		Series 4324	24 gauge	smooth rib	2"	EPS, FG, ISO	5.92, 7.19, 9.8	26, 24, 20	blind rivets	n/a	
HAAS		Model 224 L	24 gauge	smooth rib	2"	EPS	6.25	vinyl	rivet		24' x 16'
HAAS		Model 224 S	24 gauge	smooth rib	2"	EPS	6.25	n/a	rivet		24' x 16'
Ideal Door		Model C4SS	24 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	24' x 20'	
Ideal Door		Model C4SV	24 gauge	smooth rib	2"	EPS	7.14	vinyl	Tog-L-Loc®	24' x 20'	
Ideal Door		Model C4RSS	24 gauge	raised panel	2"	EPS	7.14	31	Tog-L-Loc®	24' x 20'	
Ideal Door		Model C4RSV	24 gauge	raised panel	2"	EPS	7.14	vinyl	Tog-L-Loc®	24' x 20'	
Overhead Door		426 Series	24 gauge	smooth rib	2"	EPS, ISO	7.35, 11.69	26	n/a		24' x 18'
Raynor		Series S-24	24 gauge	smooth rib	2"	EPS, FG	6.11, 7.37	26, 24, 20	rivets/weld		24' x 24'
Wayne-Dalton		Model 224	24 gauge	smooth rib	2"	EPS	6.6	n/a	rivet		24' x 18'
Wayne-Dalton	Model 2415	24 gauge	smooth rib	2"	EPS, PUR	6.6, 11.1	n/a	adhesive/fasteners		24' x 18'	
Wayne-Dalton	Model 24	24 gauge	smooth rib	2"	n/a	n/a	n/a	n/a		24' x 18'	
Windsor	Model 240	24 gauge	smooth rib	2"	EPS, PUR	n/a	n/a	Tog-L-Loc®		n/a	
25, 26, and Nominal 24 Gauge Products	Amarr	Model 2500	26 gauge	woodgrain rib	2"	EPS	n/a	n/a	Tog-L-Loc®	16' x 16'	
	Clipay	Model 525S	25 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	20' x 16'	
	Clipay	Model 525V	25 gauge	smooth rib	2"	EPS	7.14	vinyl	Tog-L-Loc®	20' x 16'	
	GADCO	Series 4726	26 gauge	rough saw rib	2"	EPS, FG, ISO	5.92, 7.19, 9.8	26, 24, 20	blind rivets	n/a	
	Ideal Door	Model C5SS	25 gauge	smooth deep rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	20' x 16'	
	Ideal Door	Model C5SV	25 gauge	smooth deep rib	2"	EPS	7.14	vinyl	Tog-L-Loc®	20' x 16'	
	Ideal Door	Model C5ESS	25 gauge	woodgrain rib	2"	EPS	7.14	30, 24	Tog-L-Loc®	18' x 14'	
	Ideal Door	Model C5ESV	25 gauge	woodgrain rib	2"	EPS	7.14	vinyl	Tog-L-Loc®	18' x 14'	
	Overhead Door	432 Series	nom 24	smooth rib	2"	EPS	7.35	polybond	n/a		20' x 16'
	Raynor	Series S-26	26 gauge	stucco rib	2"	EPS, FG	6.11, 7.37	26, 24	rivets/weld		14' x 14'
	Wayne-Dalton	Model 2411	26 gauge	smooth rib	2"	EPS, PUR	6.6, 11.1	n/a	n/a		18' x 16'
	Wayne-Dalton	Model 2400	nom 24	smooth/pebble rib	2"	n/a	n/a	n/a	n/a		20' x 14'

EPS = Expanded Polystyrene  
 PUR = Polyurethane  
 FG = Fiberglass  
 ISO = Isocyanurate

Note: 24 ga. G60 steel is no thinner than 0.0219 inches thick per AISI and DASMA.  
 Nom. 24 ga. G-60 may be as thin as 0.0189 inches thick, or 25 ga.

Note: All information is based on best available published literature, as of 11/08.

## SANDWICH DOORS

Manufacturer	Section Product	Thickness	Exterior Insulation	Interior Gauge	R-Value/ Gauge	Mfg. Pub.	Tested*	Published Hinge Plate	Maximum	
						Installed U-Value	Warranty R-Value (Delamination)		Sizes	
Wayne-Dalton	TS125	3/4"	PUR	27	30	7.49/.133	n/a	7-year limited	fixed plate	16' x 16'
Overhead Door	598 Series	1"	PUR	29	n/a	9.31/.107	n/a	8-year limited	continuous	14' x 14'
Aluma Shield	Model SD 2400	1-3/8"	PUR	26	26	11.5/.090	n/a	n/a	continuous 3-3/4"	n/a
Amarr	Model 1380	1-3/8"	EPS	27	27	5.73		10-year limited	backer plate	16' x 14'
Clipay	Model 3150	1-3/8"	EPS	27	27	5.6/.18	n/a	10-year limited	2" x 3" plate	16' x 16'
Clipay	Model 3154 r. panel	1-3/8"	EPS	27	28	5.6/.18	n/a	10-year limited	2" x 3" plate	16' x 16'
Clipay	Model 3715	1-3/8"	PUR	27	27	12.9/.077	n/a	10-year limited	2" x 3" plate	16' x 16'
Haas	610, 612 Series	1-3/8"	PUR	27	27	12.35	n/a	n/a	n/a	n/a
Ideal Door	Model C7X15	1-3/8"	PUR	27	27	12.9/.077	n/a	10-year limited	2" x 3" plate	16' x 16'
Overhead Door	593 Series	1-3/8"	PUR	28	28	12.76/.078	n/a	10-year limited	continuous	16' x 16'
Richard-Wilcox	T-150	1-1/2"	PUR	27	30	14.2   n/a	n/a	5-year limited	continuous 1-5/8"	n/a
Wayne-Dalton	TS150	1-3/8"	PUR	30	n/a	11.47/.087	5.88	7-year limited	fixed plate	16' x 16'
Aluma Shield	Model SD 2400	1-3/4"	PUR	26	26	14.5/.070	n/a	n/a	continuous 3-3/4"	n/a
Amarr	Model 1750	1-3/4"	PUR	26	27	16.3	n/a	10-year limited	continuous	24' x 16'
Arm-R-Lite	Model H-16	1-3/4"	PUR	26	26	14.5/.070	n/a	1-year limited	continuous 3-3/4"	n/a
Arm-R-Lite	Model H-16 (20 ga.)	1-3/4"	PUR	20	26	14.5/.070	n/a	1-year limited	continuous 3-3/4"	n/a
CHI	Model 3214	1-3/4"	PUR	26	27	14.96	n/a	10-year limited	continuous 3-3/4"	
Clipay	Model 3717	1-3/4"	PUR	27	27	15.05/.066	n/a	10-year limited	2" x 3" plate	32' 2" wide
Clipay	Model 3718	1-3/4"	PUR	27	27	15.05/.066	n/a	10-year limited	2" x 3" plate	32' 2" wide
Haas	710, 712, 716 Series	1-3/4"	PUR	26	26	n/a	6.25	backer plates	n/a	
Ideal Door	Model C7X17	1-3/4"	PUR	27	27	n/a	n/a	10-year limited	2" x 3" plate	32' 2" wide
Ideal Door	Model C7X18	1-3/4"	PUR	27	27	15.05/.066	n/a	10-year limited	2" x 3" plate	32' 2" wide
Overhead Door	591 Series	1-5/8"	PUR	28	28	14.86/.067	5.26	10-year limited	continuous	24' x 18'
Overhead Door	595 Series	1-5/8"	PUR	20	26	14.86/.067	5.26	10-year limited	continuous	24' x 18'
Richards-Wilcox	T175	1-3/4"	PUR	26	30	16.4   n/a	n/a	5-year limited	continuous 1-5/8"	24' x 20'
Richards-Wilcox	T-175-20	1-3/4"	PUR	20	30	16.4/.060	n/a	5-year limited	continuous 1-5/8"	24' x 20'
Aluma Shield	Model SD 2400	2"	PUR	26	26	16.6/.060	n/a	n/a	continuous 3-3/4"	n/a
Amarr	Model 1000	2"	EPS	24	27	n/a	n/a			
CHI	Model 3285	2"	EPS	26	30	8.72	n/a			
Clipay	Model 3200	2"	EPS	24	27	9.1/.11	4.55	10-year limited	2" x 3" plate	24' x 18'
Clipay	Model 3203 r. panel	2"	EPS	24	27	9.1/.11	4.55	10-year limited	2" x 3" plate	18' x 14'
Clipay	Model 3220	2"	EPS	20	27	9.1/.11 4.55	4.55	10-year limited	2" x 3" plate	26' 2" x 20'
Clipay	Model 3720	2"	PUR	27	27	17.2/.058	n/a	10-year limited	2" x 3" plate	32' 2" wide
Clipay	Model 3722	2"	PUR	20	27	17.2/.058	n/a	10-year limited	2" x 3" plate	32' 2" wide
Ideal Door	Model C0X22	2"	PUR	20	27	17.2/.058	n/a	10-year limited	2" x 3" plate	32' 2" wide
GADCO	Series 8526	2"	PUR	26	28	16.4/.060	n/a	n/a	continuous	26' x 18'
Overhead Door	592 Series	2"	PUR	28	26	17.5/.057	5.56	10-year limited	continuous	24' x 18'
Wayne-Dalton	TS200	1-7/8"	PUR	27	28	14.96/.067	6.25	7-year limited	fixed plate	24' x 18'
Wayne-Dalton	TS200	1-7/8"	PUR	27	28	14.96/.067	6.25	7-year limited	fixed plate	24' x 18'
Wayne-Dalton	TS-200-20	1-7/8"	PUR	20	26	14.96/.067	6.25	7-year limited	fixed plate	16' x 16'
Windsor	Model 3600	2"	PUR	26	28	17.5/.057	n/a		vertical plates	24' x 18'
Windsor	Model 3400	2"	PUR	24	28	17.5/.057	n/a		vertical plates	24' x 18'
Windsor	Model 3000	2"	PUR	20	28	17.5/.057	n/a		vertical plates	24' x 18'
Windsor	Model 2000	2"	PUR	20	26	17.5/.057	n/a	1-year limited	fixed plate	24' x 18'
Windsor	Model 2400	2"	PUR	24	28	17.5/.057	n/a	1-year limited	fixed plate	24' x 18'
Aluma Shield	Model SD 2400	3"	PUR	26	26	25/.040	n/a	n/a	continuous 3-3/4"	n/a
Arm-R-Lite	Thermax	3"	PUR	26	26	25/.040	n/a	1-year limited	continuous 3-3/4"	n/a
Clipay	Model 3300	3"	EPS	25	27	12.15/.080	6.25	10-year limited	2" x 3" plate	24' x 18'
Haas	Model 816	3"	PUR	26	26	24	8.67	backer plates	n/a	
Raynor	Tri-Core™	3"	EPS	26	26	13.55/.0738	4.545	5-year limited	n/a	24' x 16'
Raynor	TC-20	3"	EPS	20	26	13.55/.0738	4.55	5-year limited	n/a	32' x 24'
Raynor	Tri-Core II	3"	EPS	28	28	13.55/.0738	4.55	5-year limited	n/a	14' x 14'

EPS = Expanded Polystyrene  
 PUR = Polyurethane

Note: All information is based on best available published literature, as of 11/08.