



# Comparison chart



ALUMINUM FULL VIEW DOORS											
Manufacturer	Product	Section Thickness	Insulation	Aluminum Type	Aluminum Thickness	Glazing Type	Spring	Center Stile Width	End Stile Width	Colors Available	Strut Type /Attachment
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	n/a	n/a					n/a
Clopay	Model 901	2 1/8"	Available	6063-T5	.050"	1/16" panel, 1/8" and 7/16" insulated glass	10,000 cycle min., 25,000; 50,000; 100,000 cycle	3/4"	3"	Match arch. sample	Aluminum built in fin with bolt on angle
Ideal Door	Model C70AL, C71AL, C72AL	2 1/8"	Available	6063-T5	.050"	1/16" panel, 1/8" and 7/16" insulated glass	10,000 cycle min., 25,000; 50,000; 100,000 cycle	3/4"	3"	Match arch. sample	Aluminum built in fin with bolt on angle
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"		Will match color from company standard paint	Steel strut bolted to section
Overhead Door	Model 520	2"	Available	6063-T6	.050"	1/16" panel, 1/8" and 7/16" insulated glass	10,000 cycle min., 25,000; 50,000; 100,000 cycle		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 8/03.

# Comparison chart

PAN DOORS							
Manufacturer	Product	Section Gauge	Face Design	Section Thickness	Stile Attachment	Max Pub. Size	Manufacturing Sites
16 Gauge Products	Clopay Model 616	16 gauge	flush	2"	blind rivets	24' x 18'	Russia, OH
	GADCO Series 4616	16 gauge	flush	2"	blind rivets	24' x 20'	Montgomery, IL
	Overhead Door 416 Series	16 gauge	flush	2"	n/a	24' x 18'	Grand Island, NE; Lewistown, 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
20 Gauge Products	Windsor Model 160	16 gauge	flush	2"	Tog-L-Loc™	24 x 20	Little Rock, AR
	Clopay Model 520	20 gauge	smooth rib	2"	Tog-L-Loc™	26' x 20'	Russia, OH
	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"			
	Ideal Door Model C1ST	20 gauge	flush	2"	Tog-L-Loc™	26' x 20'	Baldwin, WI
	Ideal Door Model C0ST	20 gauge	smooth rib	2"	Tog-L-Loc™	26' x 20'	Baldwin, WI
	Overhead Door 420 Series	20 gauge	smooth rib	2"	n/a	24' x 18'	Grand Island, NE; Lewistown, 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
	24 Gauge Products	Amarr Model 2400	24 gauge	smooth rib	2"	Tog-L-Loc™	24' x 16'
CHI Model 3240		24 gauge	smooth rib	2"	Tog-L-Loc™		
Clopay Model 524		24 gauge	smooth rib	2"	Tog-L-Loc™	24' x 20'	Russia, OH
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
Ideal Door Model C4ST		24 gauge	smooth rib	2"	Tog-L-Loc™	24' x 20'	Baldwin, WI
Overhead Door 424 Series		24 gauge	smooth rib	2"	n/a	24' x 18'	Grand Island, NE; Lewistown, 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
Clopay 692 Series		24 gauge	raised panel	2 1/8"	Tog-L-Loc™	24' x 18'	Russia, OH
Ideal Door Model C4RST		24 gauge	raised panel	2"	Tog-L-Loc™	24' x 20'	Baldwin, WI
25, 26, and Nom. 24 Ga. Products		Amarr Model 2500	26 gauge	woodgrain, rib	2"	Tog-L-Loc™	16' x 16'
	CHI Model 3260	26 gauge	smooth rib	2"	Tog-L-Loc™	n/a	
	Clopay Model 525	25 gauge	smooth rib	2 1/8"	Tog-L-Loc™	20 x 16	Russia, OH
	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
	Ideal Door Model C5ST	25 gauge	smooth rib	2"	Tog-L-Loc™	18' x 14'	Baldwin, WI
	Ideal Door Model C5EST	25 gauge	woodgrain rib	2"	Tog-L-Loc™	18' x 14'	Tempe, AZ
	Overhead Door 430 Series	nom 24	smooth rib	2"	n/a	20' x 16'	Grand Island, NE; Lewistown, 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 8/03.



# 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
Clopay	Model 616P	16 gauge	flush	2"	EPS	7.09	26	blind rivets	24' x 18'
GADCO	Series 4616	16 gauge	flush	2"	EPS, FG, ISO	7.09, 7.19, 12.82	26,24,20	blind rivets	24' x 20'
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	n/a	24' x 18'
Wayne-Dalton	Model 216	16 gauge	flush	2"	EPS	6.6	n/a	n/a	24' x 18'
Windsor	Model 160	16 gauge	flush	2"	EPS, PUR	n/a	n/a	n/a	24' x 20'
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	Tog-L-Loc™	24' x 18'
CHI	Model 3222	20 gauge	smooth rib	2"	EPS	6.81	30	Tog-L-Loc™	24' x 18'
Clopay	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
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'
Clopay	Model 524S	24 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc™	24' x 20'
Clopay	Model 524V	24 gauge	smooth rib	2"	EPS	7.14	vinyl	Tog-L-Loc™	24' x 20'
Clopay	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
Amarr	Model 2500	26 gauge	woodgrain rib	2"	EPS	n/a	n/a	Tog-L-Loc™	16' x 16'
Clopay	Model 525S	25 gauge	smooth rib	2"	EPS	7.14	30, 24	Tog-L-Loc™	20' x 16'
Clopay	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 8/03.

## SANDWICH DOORS

Manufacturer	Product	Section Thickness	Insulation	Exterior Gauge	Interior Gauge	Mfg. Pub. R-Value/ U-Value	Tested* Installed R-Value	Warranty (Delamination)	Hinge Plate	Maximum Published 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	n/a	10-year limited	backer plate	16' x 14'
Clopay	Model 3150	1-3/8"	EPS	27	27	5.6/.18	n/a	10-year limited	4' x 6' plate	16' x 16'
Clopay	Model 3154 r. panel	1-3/8"	EPS	27	28	5.6/.18	n/a	10-year limited	4' x 6' plate	16' x 16'
Clopay	Model 3652	1-1/2"	PUR	26	26	12.9/.077	6.36	10-year limited	2 continuous 1 1/4"	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 C6X15	1-1/2"	PUR	26	26	12.9/.077	6.36	10-year limited	2 continuous 1 1/4"	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"	n/a
Clopay	Model 3622	1-3/4"	PUR	20	26	15.05/.066	6.97	10-year limited	2 continuous 1 1/4"	32' 2" wide
Clopay	Model 3603	1-3/4"	PUR	26	26	15.05/.066	6.97	10-year limited	2 continuous 1 1/4"	32' 2" wide
Haas	710, 712, 716 Series	1-3/4"	PUR	26	26	6.25	n/a	backer plates	n/a	n/a
Ideal Door	Model C40X5	1-3/4"	PUR	20	27	15.14/.062	n/a	10-year limited	continuous 3 3/4"	32' 2" wide
Ideal Door	Model C6X17	1-3/4"	PUR	26	27	15.05/.066	6.97	10-year limited	2 continuous 1 1/4"	32' 2" wide
Ideal Door	Model C0X17	1-3/4"	PUR	20	27	15.05/.066	6.97	5-year limited	2 continuous 1 1/4"	24' x 20'
Overhead Door	Model 591	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	n/a	n/a	n/a
CHI	Model 3285	2"	EPS	26	30	8.72	n/a	n/a	n/a	n/a
Clopay	Model 3200	2"	EPS	24	27	9.1/.11	4.55	10-year limited	4' x 6' plate	24' x 18'
Clopay	Model 3203 r. panel	2"	EPS	24	27	9.1/.11	4.55	10-year limited	4' x 6' plate	18' x 14'
Clopay	3602	2"	PUR	26	27	17.2/.058	7.57	10-year limited	2 continuous 1 1/4"	32' 2" wide
Clopay	Model 3220	2"	EPS	20	27	9.1/.11 4.55	4.55	10-year limited	4' x 6' plate	26' 2" x 20'
GADCO	Series 8526	2"	PUR	26	28	16.4/.060	n/a	n/a	continuous	26' x 18'
Overhead Door	Model 592	2"	PUR	28	28	17.8	n/a	10-year limited	continuous	24' 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	n/a	vertical plates	24' x 18'
Windsor	Model 3400	2"	PUR	24	28	17.5/.057	n/a	n/a	vertical plates	24' x 18'
Windsor	Model 3000	2"	PUR	20	28	17.5/.057	n/a	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
Clopay	Model 3300	3"	EPS	25	27	12.15/.080	6.25	10-year limited	4' x 6' plate	24' x 18'
Haas	Model 816	3"	PUR	26	26	24	8.67	backer plates	n/a	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

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