

Single Hung Series Product Selection Guide

<http://www.peerlessproducts.com/>

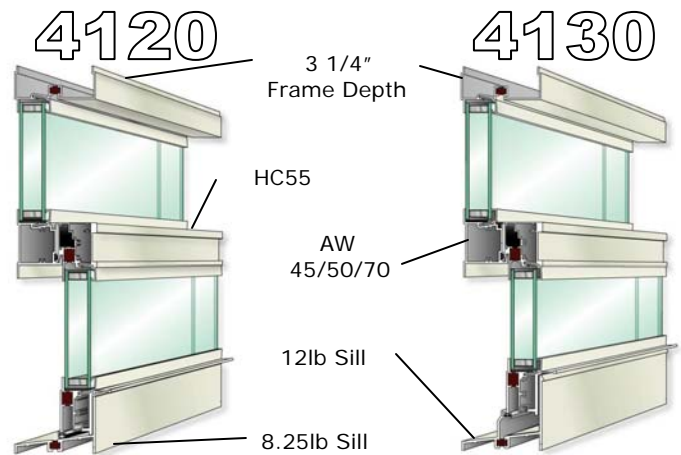
Model Number	Description	Frame Depth	Typical Wall Thickness	AAMA Rating	Structural (PSF)	AIR (CFM/SF) 0.3 @ 6.24 0.1 @ 1.57	Water (PSF)	U-Value	STC	Blast	Impact	Dual Glazed w/ Blinds	Grid Options	Sash Weight	Test Size
4120	Single Hung (Tilt)	3 1/4	.062	H-HC 50/60	75/90	.3	8.25	0.406	34-37	Yes	No	No	A-I-T	80	60" x 99"
4130	Single Hung (Tilt)	3 1/4	.062	H-AW 45	67.5	.3	12.0	0.406	34-37	Yes	Yes-48X72	No	A-I-T	80	60" x 99"
4130	Single Hung (Tilt) <b>Re-enforced</b>	3 1/4	.062	H-AW 50	75	.3	12.0	0.452	34-37	Yes	Yes-48X72	No	A-I-T	80	60" x 99"
4130	Single Hung (Tilt) <b>Downsized</b>	3 1/4	.062	H-AW 75	112.5	.3	12.0	0.452	34-37	Yes	Yes-48X72	No	A-I-T	80	48" x 72"
4140	Single Hung (Tilt)	4	.062	H-HC 50/60	75/90	.3	8.25	0.416	34-37	Yes	No	No	A-I-T	80	60" x 99"
4150	Single Hung (Tilt)	4	.062	H-AW 45	67.5	.3	12.0	0.415	34-37	Yes	No	No	A-I-T	80	60" x 99"
4150	Single Hung (Tilt) <b>Downsized</b>	4	.062	H-AW 75	112.5	.3	12.0	0.464	34-37	Yes	No	No	A-I-T	80	48" x 72"
9130	Single Hung (Side Load) <b>Ultra lift</b>	3 1/4	.062	H-AW 50	75	.3	12.0	0.396	31-35	Yes	No	No	A-I-T	140	60" x 99"
9150	Single Hung (Side Load)	4	.062	H-AW 75	112.5	.3	12.0	0.430	34-40	Yes	Yes-48X72	Yes	A-I-T	140	60" x 99"
9150	Single Hung (Side Load) <b>Downsized</b>	4	.062	H-AW 120	180	.3	12.0	0.479	34-40	Yes	Yes-48X72	Yes	A-I-T	140	48" x 72"

\*All thermal values performed with 1" insulated glass consisting of 1/4" TIAC40 (Low-E #2) annealed/ Argon with TGI Spacer /1/4" Clear annealed. All thermal tests performed using in house software recognized by NFRC.

**A=Applied I=Internal T=True**

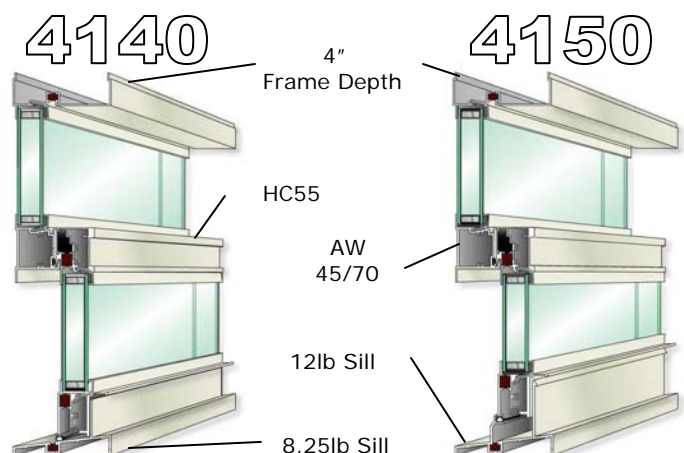
## Features:

- AAMA standard Tested and Certified
- Structural thermal breaks
- Coped corner construction
- 1" sealed insulating glass per ASTM E 2190-02 tested and approved
- Aluminum bead glazed
- Operable hung tilt sash for easy cleaning
- Stainless steel pivot bars
- Positive interlocks
- Double fin type weather stripping
- Full-width lift handles
- Spiral sash balances
- Self-aligning high-security cam-type sash locks
- Vent screens with charcoal colored fiberglass mesh
- Self-stacked mullionless mating with other 4000 series windows
- Manufactured on 1/8" increments
- 1/2" extended sill leg
- Kynar 2605 finish in 25 standard colors.



## Options:

- Between-the-glass, exterior applied, interior tape applied, or true muntins
- Aluminum or solar screen mesh
- All commercially available glazing materials
- Limited sash travel
- Pole ring, cast bronze, automatic or keyed sash locks
- Single glazing available
- Standard and custom panning
- Receptor, mullion, and sub-sill systems
- Factory-provided equal length sill legs when needed for stacking or use with sub-sill or existing horizontal sill of opening
- Class 5 balances (Ultra-Lift)
- Single hung 3-lite design
- Various high performance modifications
- Custom colors, 2603 Fluorocryl, 2604 Kynar, and anodized finishes



## Features:

- AAMA standard Tested and Certified
- 3 1/4" frame depth
- Side load design
- Structural thermal breaks
- Coped corner screw spline design
- Positive meeting rail interlock
- Full width lift and pull handles
- Equal length master frame legs
- Double fin type weather stripping
- 1" sealed insulating glass per ASTM E 2190-02
- Aluminum glazing beads with dual duroator bulb
- Class 5 reduced lift (Ultra-Lift) balances as required by specifications or sash weight
- Extruded Aluminum type automatic locks
- Manufactured on 1/8" increments
- Vent screens with charcoal colored fiberglass mesh
- Kynar 2605 finish in 25 standard colors.



## Options:

- Slide on strap anchors with 1 1/4" extension beyond interior face of the window
- Round tops
- All commercially available glazing materials
- 1" glass pocket for glazing exterior applied grids
- Between-the-glass muntins
- Exterior-applied, in between glass, and tape applied muntins in 4 different widths
- 1" insulated panels
- Limited sash travel
- Various structural mullions for joining multiple windows in an opening
- Receptor Systems
- Standard and custom panning systems
- Interior trim systems
- Sub-sills
- Project specific custom extrusions
- Aluminum, stainless steel or solar screen mesh
- Custom colors, 2603 Fluorocryl, 2604 Kynar, and anodized finishes

## Features:

- AAMA standard Tested and Certified
- 4" frame depth
- Side load design
- Structural thermal breaks
- Coped corner screw spline design
- Positive meeting rail interlock
- Full width lift and pull handles
- Equal length master frame legs
- Double fin type weather stripping
- 1" sealed insulating glass per ASTM E 2190-02
- Aluminum glazing beads with dual duroator bulb
- Class 5 reduced lift (Ultra-Lift) balances as required by specifications or sash weight
- Auto Latch Standard
- Manufactured on 1/8" increments
- Vent screens with charcoal colored fiberglass mesh
- Kynar 2605 finish in 25 standard colors.



## Options:

- Snap-in front flange panning legs with 1 1/4" extensions for head, jamb, sill or all locations
- Snap-in nailing fins (field applied)
- Slide on strap anchors with 1 1/4" extension beyond interior face of the window
- Integral mulling of window types in same master frame
- Round tops
- All commercially available glazing materials
- 1 3/8" glass pocket for glazing exterior applied grids and maintains 1" insulating glass
- Single glazing
- Between-the-glass muntins
- Exterior-applied muntins in 4 different widths
- True muntins 2 7/16" sightline
- 1/4", 1", 1 3/8" 1 1/2" insulated panels
- Split sash designs with dual glazing to accommodate polycarbonate glazing
- Split sash designs to accommodate 5/8" depth between glass blinds and interior lift out panel design
- Cast bronze auto sill locks or extruded auto sill locks
- Cast white bronze cam type locking handles
- Limited sash travel
- Maintenance-only cast bronze "keyed" security locks at meeting rail
- Various structural mullions for joining multiple windows in an opening
- Receptor Systems
- Standard and custom panning systems
- Interior trim systems
- Sub-sills
- Project specific custom extrusions
- Aluminum, stainless steel or solar screen mesh
- Custom colors, 2603 Fluorocryl, 2604 Kynar, and anodized finishes

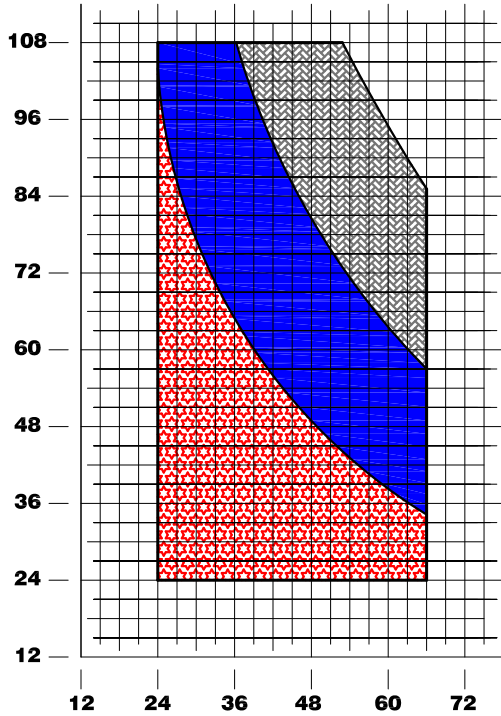
## Hardware & Glazing Tables

<u>Locking Hardware</u>	4120	4130	4140	4150	9130	9150
Zamac Black Sweep Lock	X	X	X	X	N/A	N/A
Zamac Keyed Black Sweep	O	O	O	O	N/A	N/A
White Bronze Sweep Lock	O	O	O	O	N/A	O
White Bronze Pole Ring Sweep Lock	O	O	O	O	N/A	O
Extruded Auto Sill Locks	O	O	O	O	X	X
White Bronze Auto Sill Locks	O	O	O	O	N/A	O
<u>Operating Hardware</u>						
Spiral Balances	X	X	X	X	N/A	N/A
Block & Tackle Balances	N/A	N/A	N/A	N/A	N/A	N/A
Ultra Lift Balances (Class V)	O	O	O	O	X	X

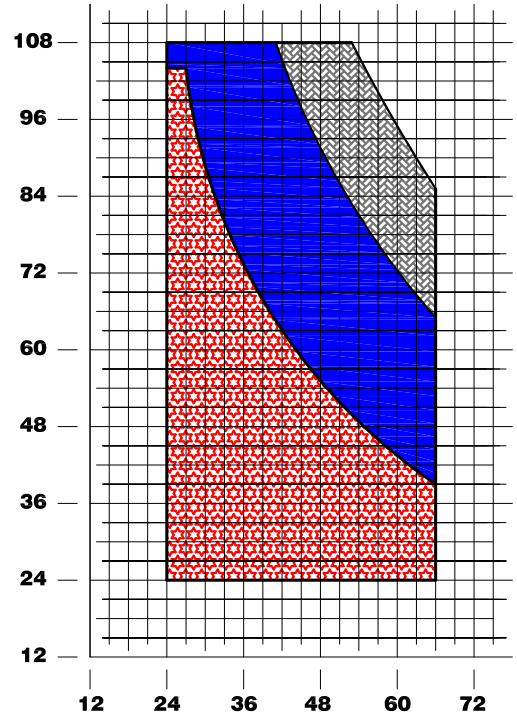
X = Standard  
O = Optional  
N/A = Not Available

<u>Single Glazed / IGU's / Panels</u>	4120	4130	4140	4150	9130	9150
1/8" - 1/4"	X	X	X	X	X	X
5/8"						X
5/8" w/ Ext Grid	X	X	X	X	X	X
5/8" w/ Int/Ext Grid						X
1"	X	X	X	X	X	X
1" w/ Ext Grid						X
1 3/8"						X
<u>Dual Glazed</u>						X
1/8" - 1/4" Int/Ext						X

1/4"-1/4" IG GLASS

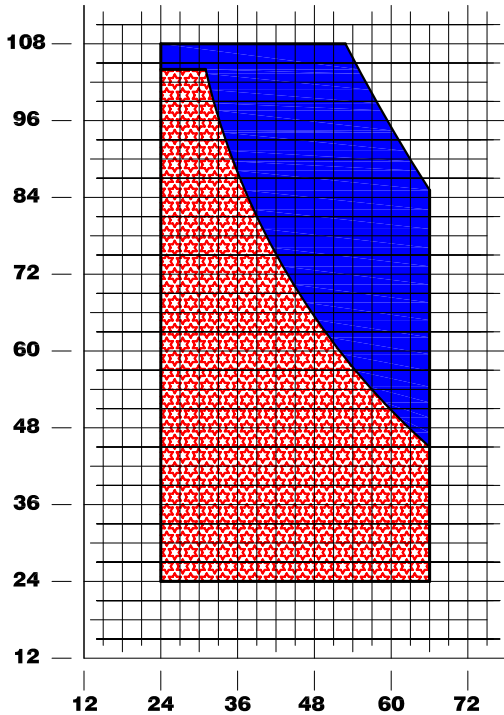


3/16"-3/16" IG GLASS

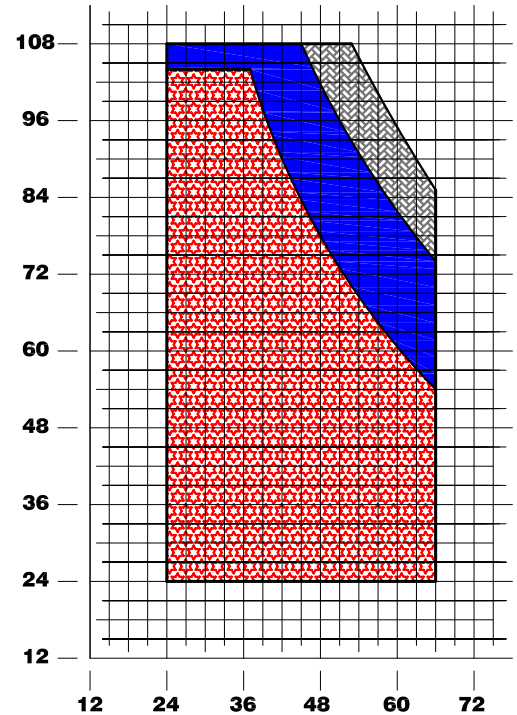


 ACCEPTABLE AREA FOR SUPER-LIFT BALANCES ONLY  
 ACCEPTABLE AREA FOR UL BALANCES ONLY  
 ACCEPTABLE AREA FOR SPIRAL AND UL BALANCES

5/32"-5/32" IG GLASS



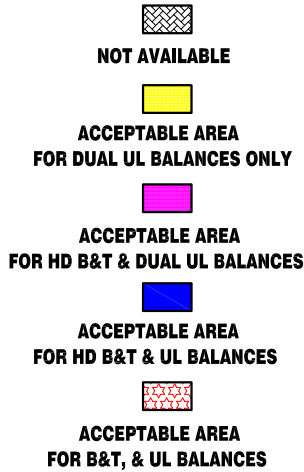
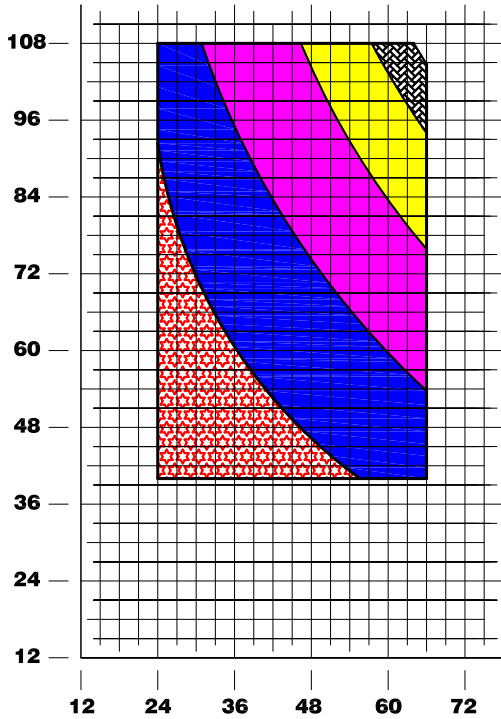
1/8"-1/8" IG GLASS



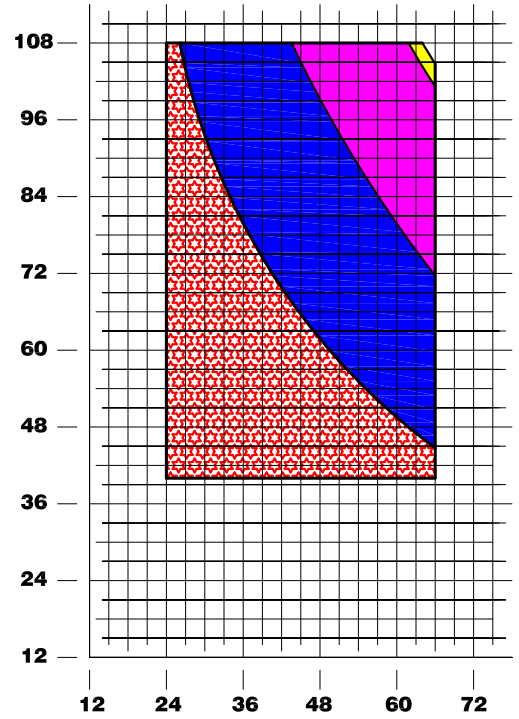
- THESE GRAPHS ARE BASED ON THE WEIGHT CAPABILITIES OF OUR BALANCES, THE SQUARE FOOTAGE OF GLASS, AND THE MAXIMUM WEIGHT OF A TOTAL WINDOW.  
 - THE MAX. SASH WEIGHT OF OUR BALANCES ARE AS FOLLOWS:  
 ~ SPIRAL - 50 LBS  
 ~ ULTRA LIFTS - 100 LBS  
 ~ SUPER LIFTS - 100 LBS  
 - THE MAX WEIGHT OF A TOTAL WINDOW IS 240 LBS  
 - THE MAX. SQUARE FOOTAGE OF 1/8" IG GLASS IS 15 SQUARE FEET PER SASH

These Graphs are Based on Equal Lite Configurations.

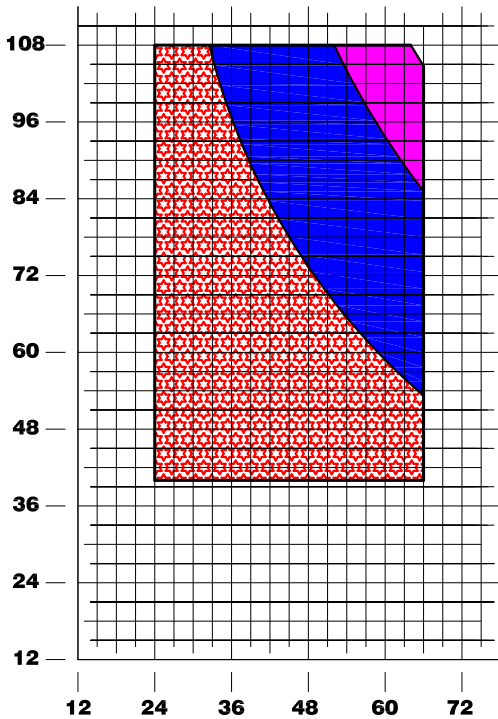
1/4"-1/4" IG GLASS



3/16"-3/16" IG GLASS



5/32"-5/32" IG GLASS

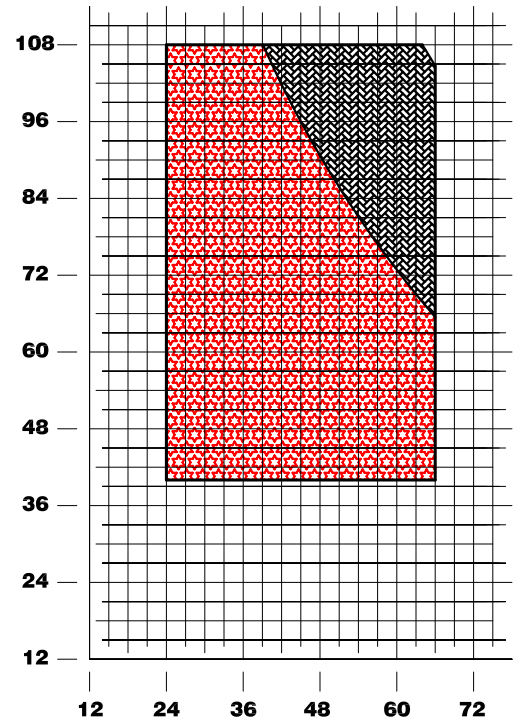


THESE GRAPHS ARE BASED ON THE WEIGHT CAPABILITIES OF OUR BALANCES, THE SQUARE FOOTAGE OF GLASS, AND THE MAXIMUM WEIGHT OF A TOTAL WINDOW.

- THE MAX. SASH WEIGHT OF OUR BALANCES ARE AS FOLLOWS:
  - ~ BLOCK & TACKLE - 50 LBS
  - ~ ULTRA LIFTS - 80 LBS
  - ~ HD BLOCK & TACKLE - 100 LBS
  - ~ DUAL ULTRA LIFTS - 100 LBS

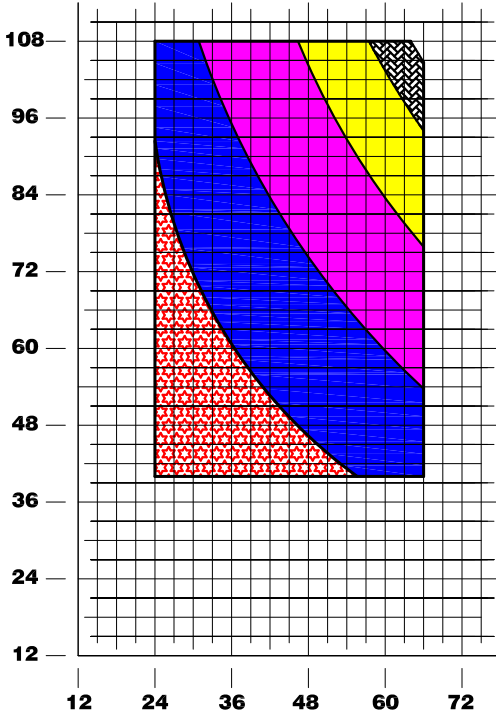
- THE MAX WEIGHT OF A TOTAL WINDOW IS 240 LBS
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1/8"-1/8" IG GLASS

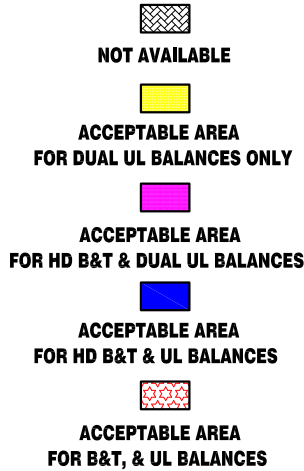
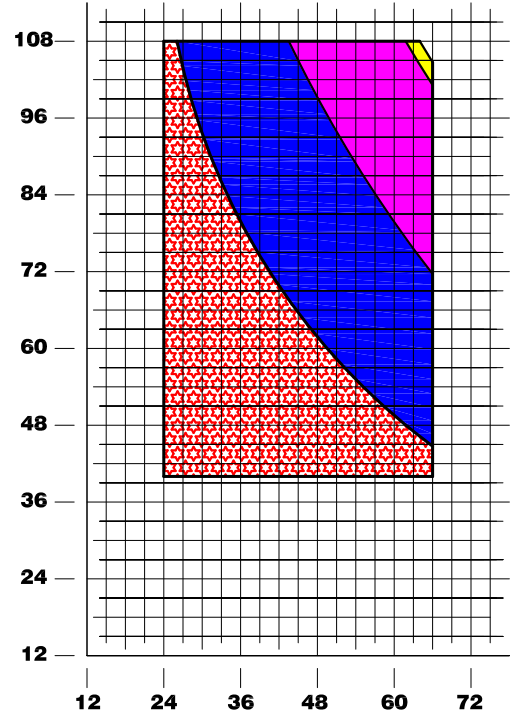


These Graphs are Based on Equal Life Configurations.

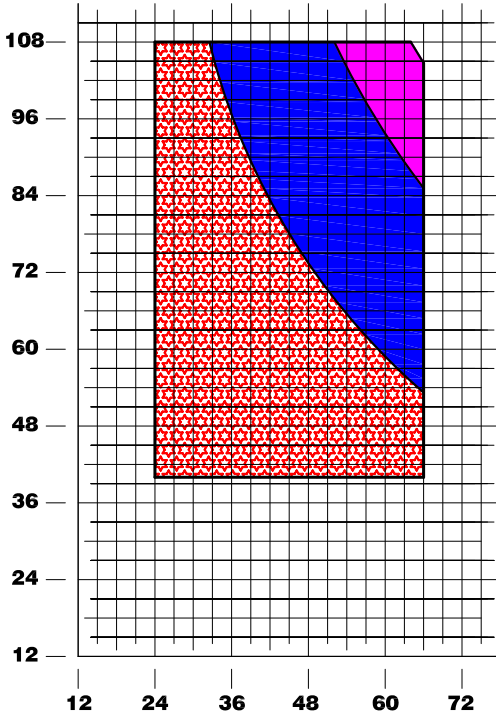
1/4"-1/4" IG GLASS



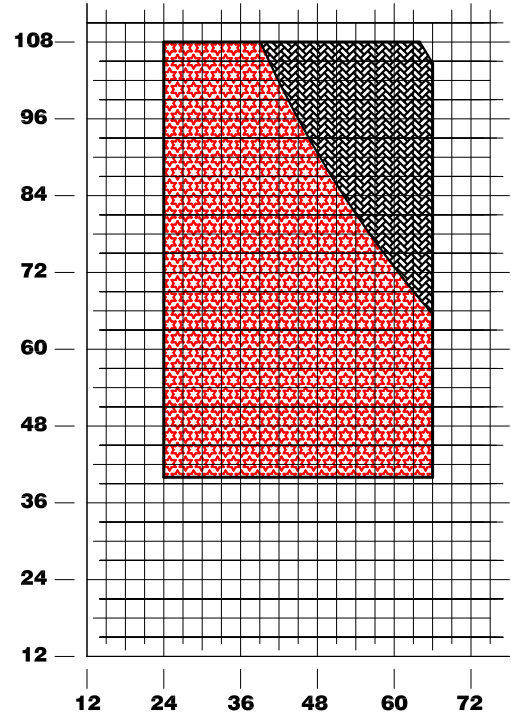
3/16"-3/16" IG GLASS



5/32"-5/32" IG GLASS



1/8"-1/8" IG GLASS



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 · THE MAX. SASH WEIGHT OF OUR BALANCES ARE AS FOLLOWS:  
 ~ BLOCK & TACKLE - 50 LBS  
 ~ ULTRA LIFTS - 80 LBS  
 ~ HD BLOCK & TACKLE - 100 LBS  
 ~ DUAL ULTRA LIFTS - 100 LBS  
 · THE MAX WEIGHT OF A TOTAL WINDOW IS 240 LBS  
 · THE MAX. SQUARE FOOTAGE OF 1/8" IG GLASS IS 15 SQUARE FEET PER SASH

These Graphs are Based on Equal Lite Configurations.



## *Egress Formulas*

Single Hung Windows	Width Minus	Height / 2 Minus	Oriel Window
4120	4.125	8.3125	7.5
4130	4.125	9.0625	8.25
4140	4.125	8.3125	7.5
4150	4.125	9.0625	8.25
9130 UL	6.375	14.8125	13.375
9150 UL	5.875	13.3125	13.3125

- Standard Frames Used for All Calculations

