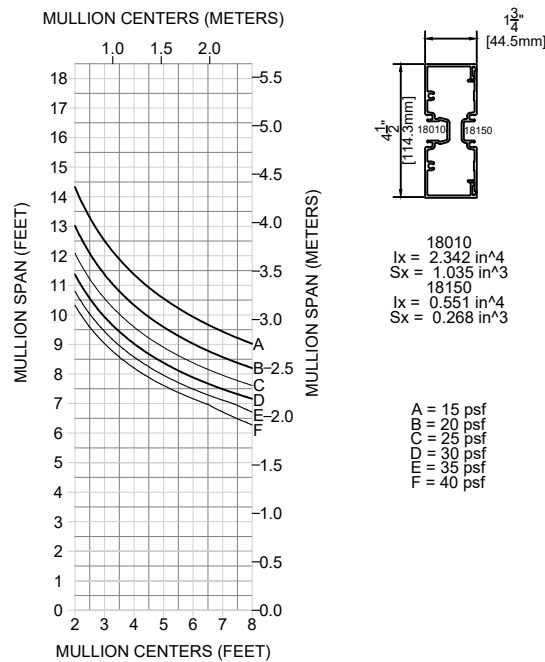


WIND LOAD CHARTS FOR WINDOWS WITH HORIZONTALS

THE FOLLOWING WIND LOAD CHARTS ARE TO BE USED FOR FENESTRATION DESIGNS THAT INCORPORATE THE USE OF HORIZONTALS. USER MUST PAY STRICT ATTENTION TO THE FOLLOWING:

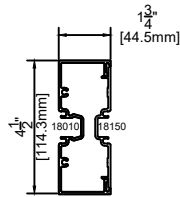
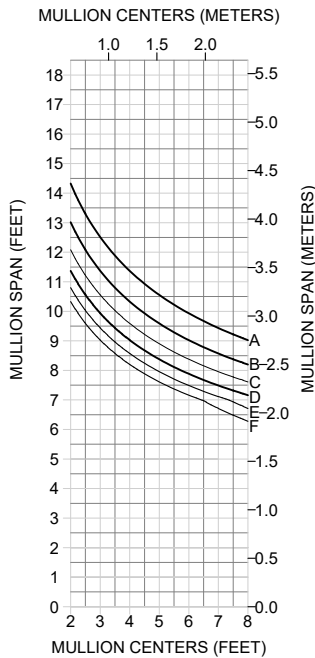
- CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN. REINFORCEMENT FASTENED USING MINIMUM #10 AT MAXIMUM 12" C.C.
- THE CHARTS SHOULD BE USED AS A BUDGET OR DESIGN GUIDE. FOR ACTUAL ENGINEERING PURPOSES THE STRUCTURAL PROPERTIES OF THE MULLIONS ARE SHOWN AS "1x" AND "Sx"
- THE DEFLECTION CRITERION FOR THESE CHARTS IS L/175



DEFLECTION CRITERION: L/175	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18010/18150

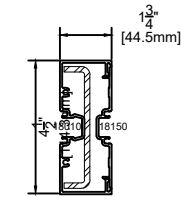
FlushGlaze TL 1800

Windload chart



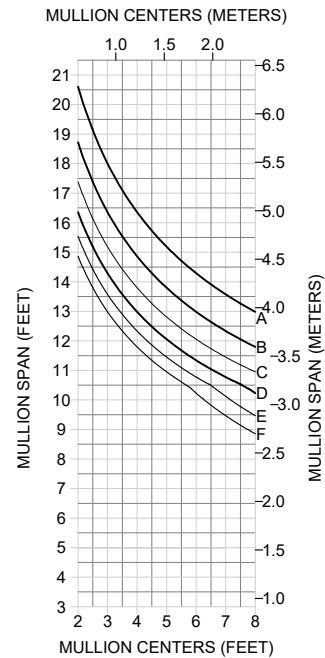
18010
 $I_x = 2.342 \text{ in}^4$
 $S_x = 1.035 \text{ in}^3$
18150
 $I_x = 0.551 \text{ in}^4$
 $S_x = 0.268 \text{ in}^3$

A = 15 psf
 B = 20 psf
 C = 25 psf
 D = 30 psf
 E = 35 psf
 F = 40 psf

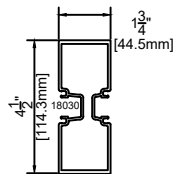
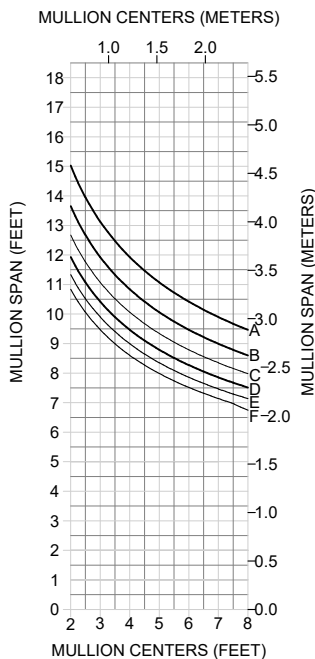


18010
 $I_x = 2.342 \text{ in}^4$
 $S_x = 1.035 \text{ in}^3$
18150
 $I_x = 0.551 \text{ in}^4$
 $S_x = 0.268 \text{ in}^3$
C4 1/8x7/8x3/16
 $I_x = 1.974 \text{ in}^4$
 $S_x = 0.957 \text{ in}^3$

A = 15 psf
 B = 20 psf
 C = 25 psf
 D = 30 psf
 E = 35 psf
 F = 40 psf

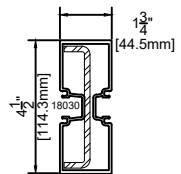


DEFLECTION CRITERION: L/175	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18010/18150



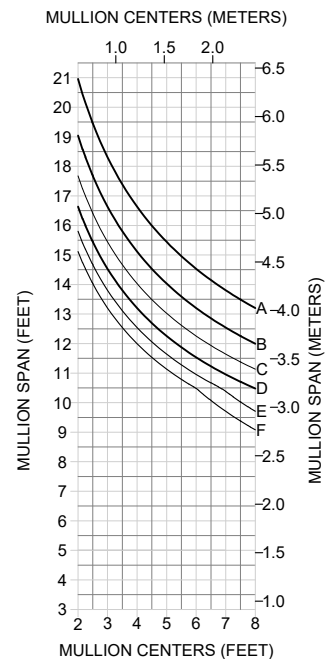
18030
 $I_x = 3.338 \text{ in}^4$
 $S_x = 1.475 \text{ in}^3$

A = 15 psf
 B = 20 psf
 C = 25 psf
 D = 30 psf
 E = 35 psf
 F = 40 psf



18030
 $I_x = 3.338 \text{ in}^4$
 $S_x = 1.475 \text{ in}^3$
C4 1/8x7/8x3/16
 $I_x = 1.974 \text{ in}^4$
 $S_x = 0.957 \text{ in}^3$

A = 15 psf
 B = 20 psf
 C = 25 psf
 D = 30 psf
 E = 35 psf
 F = 40 psf



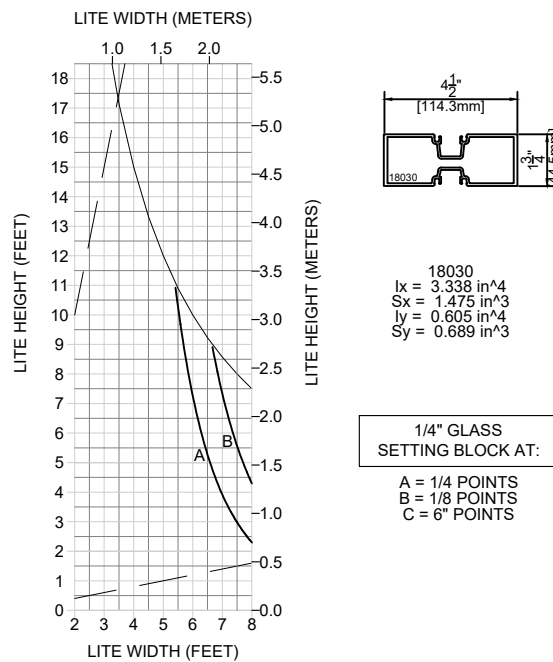
DEFLECTION CRITERION: L/175	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18030C0

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN. REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

DEAD LOAD CHARTS FOR HORIZONTALS LOCATED ABOVE A FIXED LITE

THE FOLLOWING DEAD LOAD CHARTS ARE TO BE USED FOR FENESTRATION DESIGNS THAT **INCORPORATE HORIZONTALS WHICH ARE LOCATED ABOVE A FIXED LITE**. USER MUST PAY STRICT ATTENTION TO THE FOLLOWING:

- CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED, TWO POINT DEAD LOAD AND TRAPEZOIDAL WIND LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.
- MAXIMUM WIND LOAD WILL BE AS PER THE SECTIONS WIND LOAD CHART OR A MAXIMUM THAT MAY BE SHOWN AS INDICATED AT THE SETTING BLOCK POINTS ON INDIVIDUAL CHARTS (SEE EXAMPLE)
- THE CHARTS SHOULD BE USED AS A BUDGET OR DESIGN GUIDE. FOR ACTUAL ENGINEERING PURPOSES THE STRUCTURAL PROPERTIES OF THE MULLIONS ARE SHOWN AS "Ix, Sx, Ly, Sy"
- THE DEFLECTION CRITERION FOR THESE CHARTS IS .125" (3.0 mm)
- IT IS STRONGLY RECOMMENDED THAT DESIGN PARAMETERS FALL WITHIN THE 1:5 ASPECT RATIO AND 60 sq/ft GLASS LIMIT AS NOTED ON THE CHARTS.
- GLAZING IS PRESUMED TO BE A 1/4" (6.35 mm).



18030
 $I_x = 3.338 \text{ in}^4$
 $S_x = 1.475 \text{ in}^3$
 $I_y = 0.605 \text{ in}^4$
 $S_y = 0.689 \text{ in}^3$

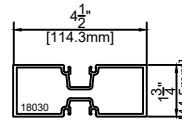
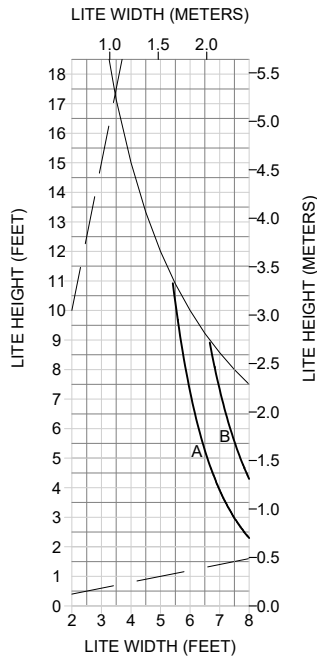
1/4" GLASS
 SETTING BLOCK AT:

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION: 1/8"	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18030

FlushGlaze TL 1800

Deadload chart

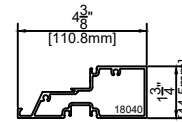
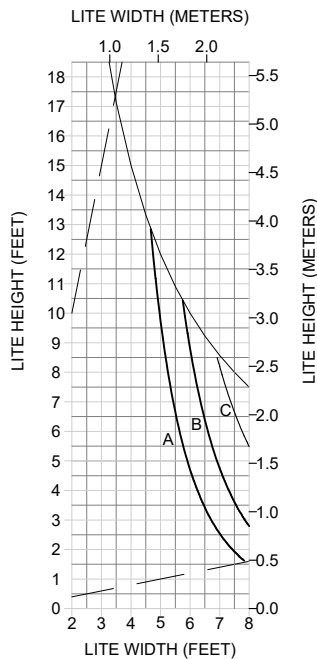


18030
 $I_x = 3.338 \text{ in}^4$
 $S_x = 1.475 \text{ in}^3$
 $I_y = 0.605 \text{ in}^4$
 $S_y = 0.689 \text{ in}^3$

1/4" GLASS
 SETTING BLOCK AT:

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION: 1/8"	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18030



18040
 $I_x = 1.749 \text{ in}^4$
 $S_x = 0.720 \text{ in}^3$
 $I_y = 0.392 \text{ in}^4$
 $S_y = 0.378 \text{ in}^3$

1/4" GLASS
 SETTING BLOCK AT:

A = 1/4 POINTS
 B = 1/8 POINTS
 (32 psf)
 C = 6" POINTS
 (22 psf)

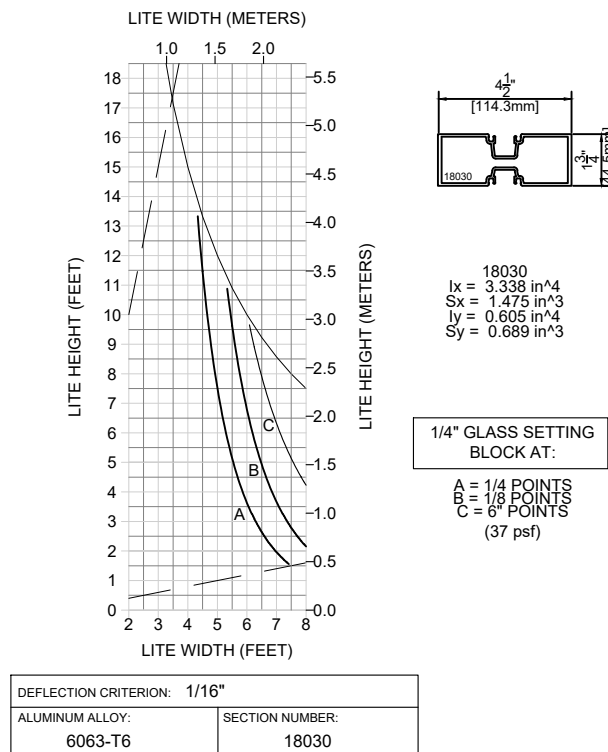
DEFLECTION CRITERION: 1/8"	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18040

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED, TWO POINT DEAD LOAD AND TRAPEZOIDAL WIND LOAD APPLIED TO A SIMPLY SUPPORTED SPAN. MAXIMUM WIND LOAD AS PER THE SECTION'S WIND LOAD CHART OR AS INDICATED ABOVE.

DEAD LOAD CHARTS FOR HORIZONTALS LOCATED ABOVE A DOOR

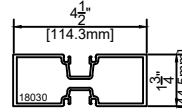
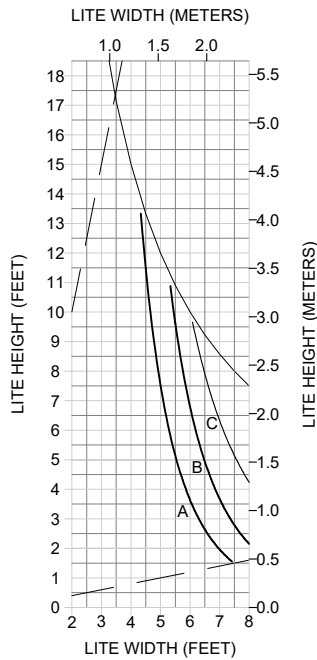
THE FOLLOWING DEAD LOAD CHARTS ARE TO BE USED FOR FENESTRATION DESIGNS THAT INCORPORATE HORIZONTALS WHICH ARE LOCATED ABOVE A DOOR. USER MUST PAY STRICT ATTENTION TO THE FOLLOWING:

- CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED, TWO POINT DEAD LOAD, A TRAPEZOIDAL AND A CENTRE WIND LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.
- MAXIMUM WIND LOAD WILL BE AS PER THE SECTIONS WIND LOAD CHART OR A MAXIMUM THAT MAY BE SHOWN AS INDICATED AT THE SETTING BLOCK POINTS ON INDIVIDUAL CHARTS (SEE EXAMPLE)
- THE CHARTS SHOULD BE USED AS A BUDGET OR DESIGN GUIDE. FOR ACTUAL ENGINEERING PURPOSES THE STRUCTURAL PROPERTIES OF THE MULLIONS ARE SHOWN AS "Ix, Sx, Ly, Sy"
- THE DEFLECTION CRITERION FOR THESE CHARTS IS 1/16" (1.6 mm)
- IT IS STRONGLY RECOMMENDED THAT DESIGN PARAMETERS FALL WITHIN THE 1:5 ASPECT RATIO AND 60 sq/ft GLASS LIMIT AS NOTED ON THE CHARTS.
- GLAZING IS PRESUMED TO BE A 1/4" (6.35 mm).



FlushGlaze TL 1800

Deadload chart

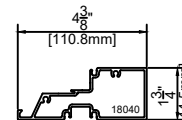
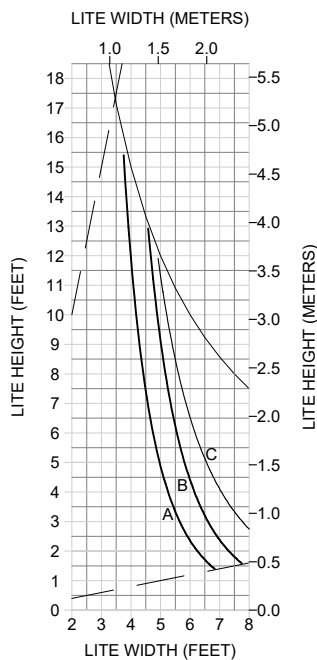


18030
 $I_x = 3.338 \text{ in}^4$
 $S_x = 1.475 \text{ in}^3$
 $I_y = 0.605 \text{ in}^4$
 $S_y = 0.689 \text{ in}^3$

1/4" GLASS
 SETTING BLOCK AT:

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS
 (37 psf)

DEFLECTION CRITERION: 1/16"	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18030



18040
 $I_x = 1.749 \text{ in}^4$
 $S_x = 0.720 \text{ in}^3$
 $I_y = 0.392 \text{ in}^4$
 $S_y = 0.378 \text{ in}^3$

1/4" GLASS
 SETTING BLOCK AT:

A = 1/4 POINTS
 (34 psf)
 B = 1/8 POINTS
 (26 psf)
 C = 6" POINTS
 (22 psf)

DEFLECTION CRITERION: 1/16"	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 18040

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED, TWO POINT DEAD LOAD AND TRAPEZOIDAL WIND LOAD APPLIED TO A SIMPLY SUPPORTED SPAN. MAXIMUM WIND LOAD AS PER THE SECTION'S WIND LOAD CHART OR AS INDICATED ABOVE.