

ENERGY SAVING PRODUCTS

VERTICAL MULLION DESIGN LOAD CAPACITIES

FOR EXTRUDED ALUMINUM NAILING FIN MULLION (ESP-547) WHERE USED

APPROXIMATE SIZE OF "I" BEAM TYPE MULLION : 2 5/32" x 1 27/32" DEEP x 15/32"

BETWEEN TWO SERIES 140/141 SINGLE HUNG ALUMINUM WINDOWS.

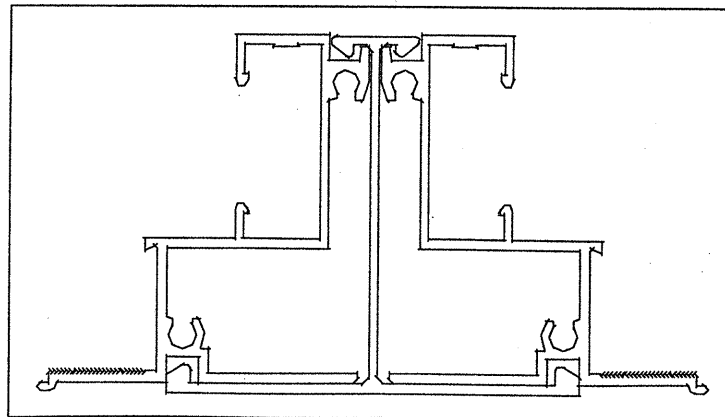
Width ≥	19.125	26.500	32.000	36.000	37.000	40.000	44.000	48.000	53.000
Height ≤									
26.000	472.3	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
30.000	336.4	283.6	278.1	278.1	278.1	278.1	278.1	278.1	278.1
36.000	222.9	177.9	163.8	160.9	160.9	160.9	160.9	160.9	160.9
38.375	193.8	152.5	138.3	133.6	133.1	132.9	132.9	132.9	132.9
42.000	159.4	123.5	109.9	104.4	103.4	101.7	101.3	101.3	101.3
44.000	144.3	111.0	98.1	92.4	91.4	89.2	88.1	88.1	88.1
48.000	119.9	91.2	79.7	74.3	73.2	70.7	68.6	67.9	67.9
50.625	107.2	81.1	70.4	65.2	64.2	61.7	59.3	58.1	57.9
54.000	93.7	70.4	60.8	56.0	55.0	52.5	50.1	48.5	47.7
56.500	83.1	62.6	54.1	49.9	49.1	46.9	44.7	43.0	41.9
60.000	69.0	51.8	44.5	40.9	40.1	38.2	36.1	34.7	33.6
63.000	59.4	44.4	38.0	34.8	34.1	32.4	30.5	29.2	28.0
66.000	51.5	38.3	32.8	29.9	29.3	27.7	26.1	24.8	23.7
72.000	39.4	29.2	24.8	22.6	22.1	20.8	19.5	18.4	17.4
74.000	36.3	26.8	22.8	20.7	20.2	19.0	17.8	16.8	15.8

NOTES:

1. Chart applies ONLY to aluminum mullion (ESP-547) when used between Energy Saving Products Series 140/141 aluminum single hung windows
2. Read window width and height in inches.
3. Window width as shown on X axis of chart are for a single window unit, NOT the overall window assembly width.
4. Chart is not limited to two window units in a single opening, design load capacities apply to any number of window units of sizes listed on chart, in a single opening.
5. Design pressure capacities listed on this chart are in PSF.

MULLION INSTALLATION REQUIREMENTS:

1. Attach mullion to substrate using a minimum one (1) 2" x 2" x 3/16" x 1 3/8" angle clip at each end of mullion.
2. Wood framed openings: Anchor to substrate using three (3) #10 wood screws of sufficient length to achieve minimum embedment of 1 3/8".
3. Masonry openings: Anchor to substrate using three (3) 3/16" Dia. Tapcons of sufficient length to achieve minimum embedment of 1 1/4".
4. Attach window frames to mullion using #8 self tapping sheet metal screws through manufacturers pre-fabricated installation holes.



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