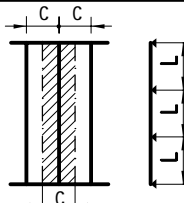







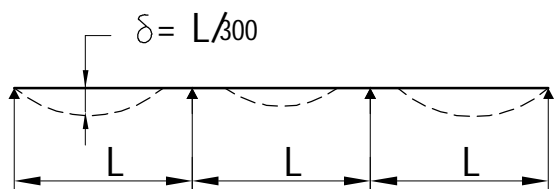


|  | 68651 | 68652 | 68653 | 68654 | 68655 | 68656 | 68657 |
|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |
| $I_x \text{ mm}^4$ | $11 \cdot 10^4$ | $37 \cdot 10^4$ | $74 \cdot 10^4$ | $118 \cdot 10^4$ | $217 \cdot 10^4$ | $313 \cdot 10^4$ | $644 \cdot 10^4$ |
| $I_y \text{ mm}^4$ | $14 \cdot 10^4$ | $22 \cdot 10^4$ | $27 \cdot 10^4$ | $32 \cdot 10^4$ | $40 \cdot 10^4$ | $46 \cdot 10^4$ | $64 \cdot 10^4$ |
| $W_x \text{ mm}^3$ | $4 \cdot 10^3$ | $9 \cdot 10^3$ | $15 \cdot 10^3$ | $20 \cdot 10^3$ | $31 \cdot 10^3$ | $39 \cdot 10^3$ | $61 \cdot 10^3$ |
| Distance c - in mm | L_{\max} in mm | | | | | | |
| 800 | 2000 | 2900 | 3700 | 4300 | 5100 | 5600 | 6750 |
| 1000 | 1850 | 2700 | 3400 | 4000 | 4850 | 5300 | 6350 |
| 1200 | 1750 | 2500 | 3200 | 3800 | 4600 | 5100 | 6100 |
| 1400 | 1650 | 2400 | 3100 | 3600 | 4450 | 4900 | 5850 |
| 1600 | 1600 | 2300 | 2900 | 3400 | 4250 | 4700 | 5650 |
| 1800 | 1500 | 2200 | 2800 | 3300 | 4100 | 4600 | 5500 |
| 2000 | 1450 | 2100 | 2700 | 3200 | 3950 | 4400 | 5350 |
| 2200 | 1400 | 2100 | 2600 | 3100 | 3800 | 4300 | 5200 |
| 2400 | 1350 | 2000 | 2500 | 3000 | 3700 | 4200 | 5100 |
| 2600 | 1350 | 2000 | 2500 | 2900 | 3600 | 4100 | 5000 |
| 2800 | 1300 | 1900 | 2400 | 2800 | 3500 | 4000 | 4900 |
| 3000 | 1250 | 1900 | 2300 | 2800 | 3450 | 3900 | 4850 |

ASSUMPTIONS:

- Beam on min. 4 supports
- Wind load $0,6 \text{ kN/m}^2$
- Loaded width c mm
- Loaded area according to drawing
- Deflection $L/300$ and limited to 15 mm

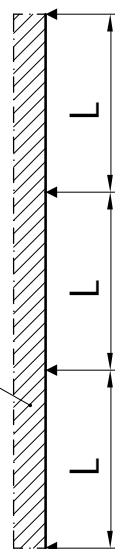


ATTENTION!

Maximum deflection for a glass shall be assumed as 8mm.

Check the capacity on mullions in lower span for the combination with dead load

$$c \times \frac{0,6}{1000} \text{ kN/m}$$



k = Conversion factor for wind load $q_v \text{ kN/m}^2$

$$Lq_v = k \cdot L_{\max}$$

| windload $q_v \text{ kN/m}^2$ | k |
|-------------------------------|------|
| 0,4 | 1,13 |
| 0,5 | 1,05 |
| 0,6 | 1,0 |
| 0,7 | 0,95 |
| 0,8 | 0,91 |
| 0,9 | 0,88 |
| 1,0 | 0,84 |
| 1,2 | 0,80 |
| 1,4 | 0,76 |
| 1,6 | 0,72 |
| 1,8 | 0,69 |
| 2,0 | 0,67 |

| | | | | |
|---------------------------------------|---|-------|--------------------|--|
| sapa: buildingsystem | Data for estimated calculations of facade sections on min. 4 supports | | FACADE 4150 | |
| | - | 07-03 | P4150-402 | |