BKS BALCONY GLAZING SYSTEM WITHOUT GUIDE AND WITH GLASS RAILING CALCULATION FORMULA

globalcon

Glass Width Calculation (6-8-10-20 mm)

System Width (Frame profile) Dimension (4002) − Intermediate Space Between Side Column and Glass (27+27=54) -+ 1mm Tolerance − Space Between Two Glasses (6 mm) Intermediate Glasses Quantity (5) (6x5=30) -+ 1mm Tolerance = Measure to be Divided by Quantity of Glass panels (3918) / Panels Quantity (6) = Glass Width (653)

Glass Height Calculation (6-8-10-20 mm)

System Height (2000) − Dimension to be Deducted for the Frame Profile, Glass Channel in Base Profile and Working Space (131) -+ 1mm Tolerance = Glass Height (1869)

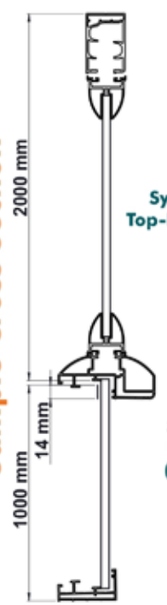
Side Column Length Calculation

System Height (2000) − Dimension to be Deducted for the Frame Profile and Side Column Equipment (86) -+ 1mm Tolerance = Side Column Height (1914)

Seal Length Calculation

System Height (2000) − Dimension to be Deducted for the Frame, Base Profiles and Working Space (179) -+ 1mm Tolerance = Seal Height (1821)

Sample Cross Section



Bottom Glass Handrail Calculation

Glass Width Calculation

System Width Top-Bottom Frame (3000) − Dimension to be Deducted for 2 side frame (15+15=30) = Glass Width (2970)

Glass Height Calculation

System Height (1000) − Dimension to be Deducted for Upper and Lower Frame (15+15=30) = Glass Height (970)

Side Frame Calculation

System Height (1000) − Bottom Frame (15) + Top Frame (14) (29) = Side Frame Height (971)

Information - Note

For the middle profile calculation of big handrail systems like 4000 mm you will need to divide it into 2 systems and calculate as separate handrails. The joints of the side and bottom profiles are cut at 45 degrees. While cutting, the lath profile is cut by putting it together on the profile. It is fixed with the angle joining apparatus.

Base Profile Calculation

→ Deducted measure for Intermediate Cover	4.5 mm -+ 0,5mm Tolerance
→ Deducted measure for Side Column Cover	15 mm -+ 0,5mm Tolerance
→ Deducted measure for 90 degree angle	15 mm
→ Deducted measure for 135 degree angle	4.5 mm -+ 0,5mm Tolerance

Angle Values to Be Taken For Frame Profile to Calculate Glass Width in Angled Balconies

→ Deducted measure for 90 degree angle	27 mm -+ 0,5mm Tolerance
→ Deducted measure for 135 degree angle	13 mm -+ 0,5mm Tolerance

Note: This document has been prepared for our dealers to make technical calculations (measurements). The dimensions specified in the document have been prepared as an example. Check before production, our company is not responsible for wrong calculations and cuts.