

Revolution 100

Product summary



optima

ClearThinking

Revolution 100

Product summary



Product facts

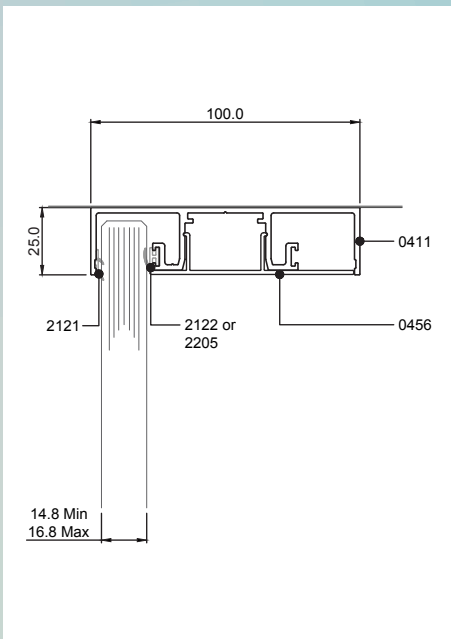
- High acoustic mullion-free glazed partition system
- Can be single or double glazed
- Dry jointed and fully demountable
- Aluminium framework
- Fully integrates with Revolution 54 single glazing and Optima 117 plus single glazing
- Numerous door options including 100mm thick Elite Series
- Manufactured at Optima's UK factory in Bath

Acoustics

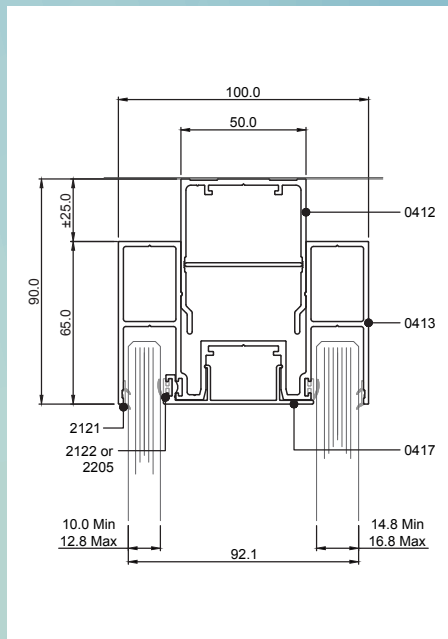
- Maximum tested acoustic rating of Rw51dB double glazed using 2 x 12.8mm acoustic laminated glass and Rw40dB single glazed using 16.8mm acoustic laminated glass

Deflection

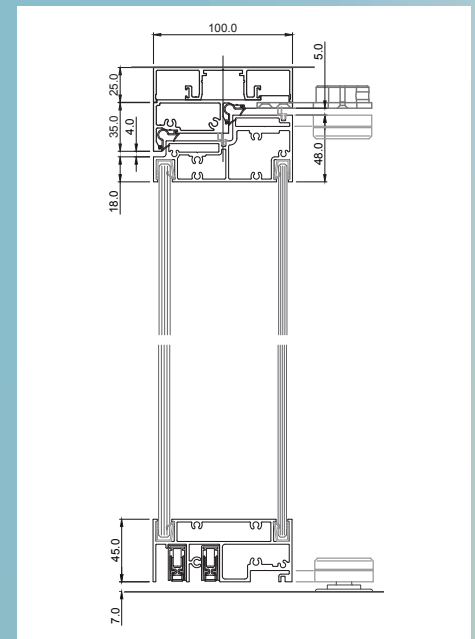
- Can accommodate up to $\pm 40\text{mm}$ deflection



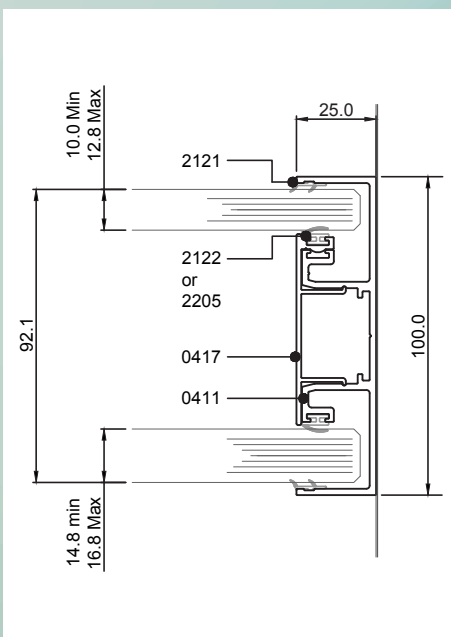
25mm head track single glazed



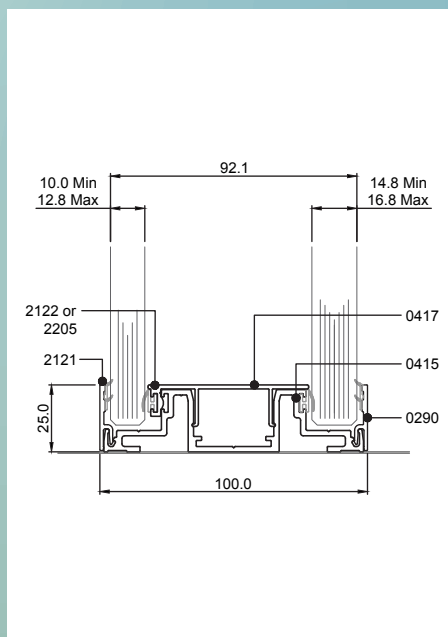
Head track with inner upper channel $\pm 25\text{mm}$ deflection double glazed



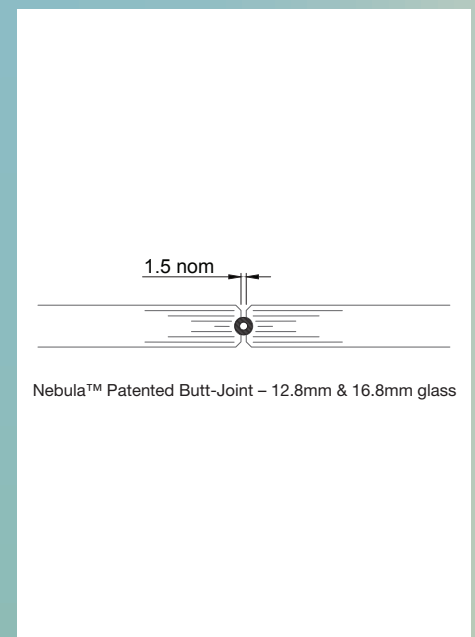
Vertical section D660 door frame and Elite Symmetry 100mm door with pull handles



25mm abutment double glazed



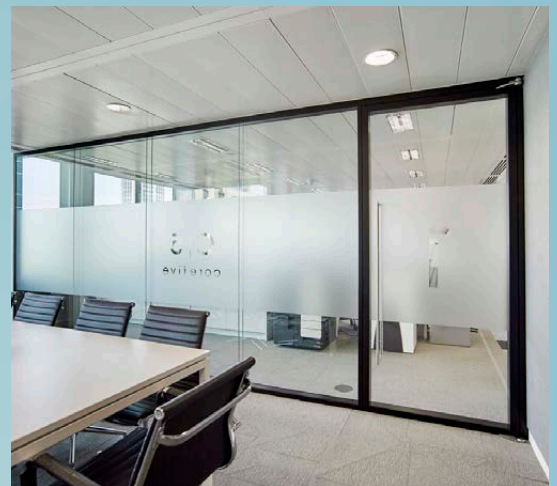
25mm floor track double glazed



Glass to glass Nebula™ patented joint dry joint

Product overview

System type	Offset single glazed or double glazed
Head detail	Standard aluminium head channels 100mm x 25mm or 100mm x 50mm
Base detail	Standard aluminium base channels 100mm x 25mm or 100mm x 50mm
Deflection head options	2-part internal deflection head: ±25mm – 90mm deep aluminium outer channel ±40mm – 135mm deep aluminium outer channel 2-part external deflection heads: ±25mm – 94mm deep aluminium outer channel ±40mm – 140mm deep aluminium outer channel
Door options	Revolution 100 aluminium door frame profile is compatible with Axile Clarity, Edge Symmetry, Edge Affinity, 44mm/54mm timber door Elite Symmetry and Elite Affinity are 100mm thick doors designed exclusively for Revolution 100 Elite Aero sliding door slides between the glass panels
Glass thickness	Single and double glazed: Minimum thickness 10mm toughened glass, maximum thickness 16.8mm acoustic laminated glass. Thickness subject to panel width, height and acoustic rating
Maximum screen height	3000mm subject to build configuration and access into building, using 12.8mm laminated glass. Greater heights up to 4m can be achieved with 16.8mm laminated glass. Please speak to our Technical Team for advice
Glass to glass joint options	Nebula, TM aluminium, ghost and taped dry joints available
Acoustic rating	Single glazed: Rw34dB – 12mm toughened glass Rw38dB – 12.8mm acoustic laminated glass Rw40dB – 16.8mm acoustic laminated glass Double glazed: Rw49dB – 10.8mm acoustic laminated glass + 12.8mm acoustic laminated glass Rw51dB – 12.8mm acoustic laminated glass + 12.8mm acoustic laminated glass Further test certificates available upon request Doors: Elite Symmetry – Rw43dB Elite Affinity – Rw45dB Elite Aero – Rw39dB



Courtyard House
West End Road
High Wycombe
Buckinghamshire
HP11 2QB

t +44 (0) 1494 492 725
www.optimasystems.com