

Technical Data Sheet

VIO 100 Top Hung Folding Door System

APPLICATIONS

The VIO folding door hardware is suitable for residential and commercial timber or aluminium exterior folding door. Ideal for external applications being manufactured from corrosive resistant material - anodised aluminium track & guide channel, stainless steel hangers and hinges along with engineered polymer components. Top hung End folding system suits door folding in one or both directions.

The VIO 100 is suitable for doors to a maximum weight of 100kg per

DOOR SPECIFICATION

Individual door leaves:

Maximum door height:	3300mm
Maximum door width:	1000mm
Door thickness:	35-65mm
Maximum door weight:	100kg
Maximum No of doors:	8 each direction

HARDWARE SPECIFICATION

Track & Guide Channels

Track	VT100
Material:	Aluminium
Finish:	Clear Anodised
Guide Channel – Aluminium:	VGC
Polypropylene Guide Channel Insert:	VPCI
Track & Guide Channel lengths:	2000, 3000, 4000, 5000mm

Pivot:

Pivot Set LH & RH	VIO 1
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Hangers sets:

End Hanger Set incl Guide LH & RH	VIO 2
Intermediate Hanger Set	VIO 4
Meeting Stile Hanger Set	VIO 8

Hinge sets:

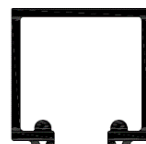
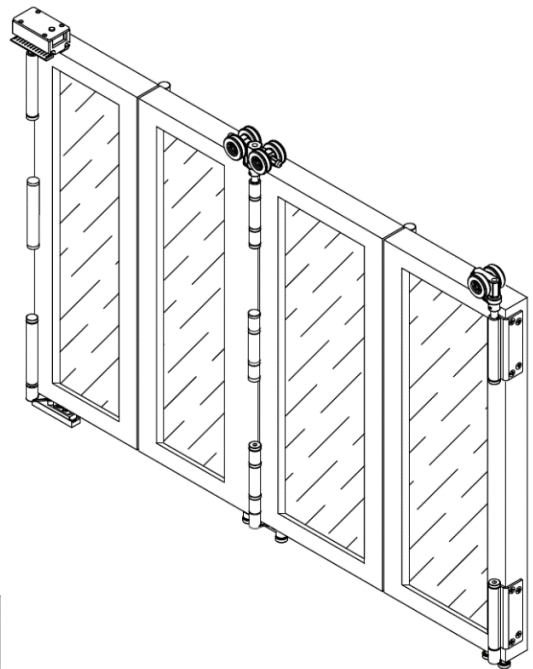
Hinge Handle Set	VIO 3
Offset Hinge Handle Set	VIO 7
Hinge Set	VIO 5
Offset Hinge Set	VIO 6
Security Hinge	VIO 9

Accessories:

Flush Bolt Non-lockable	VFB or VFBO
Flush Bolt Lockable	VFBL or VFBLO
Flush Bolt available lengths 200, 400 & 600mm	

FINISHES

SSS: Satin Stainless Steel - PSS: Polished Stainless Steel
- BLK: Black



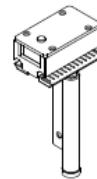
VT100
Top Track



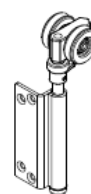
VGC Guide
Channel



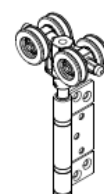
VPCI Guide Channel
Poly Insert



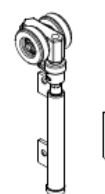
VIO-1



VIO-2



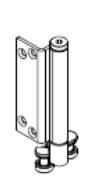
VIO-4



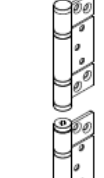
VIO-8



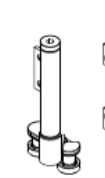
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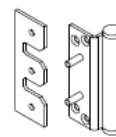
VIO-2



VIO-4



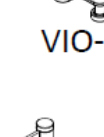
VIO-8



VIO-9



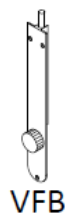
VIO-3



VIO-5



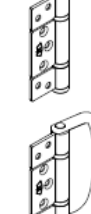
VIO-6



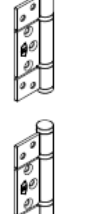
VFB



VFBO



VIO-3



VIO-5



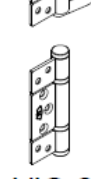
VIO-6



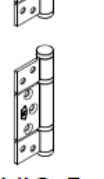
VFBL



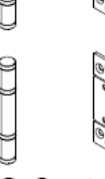
VFBOL



VIO-3

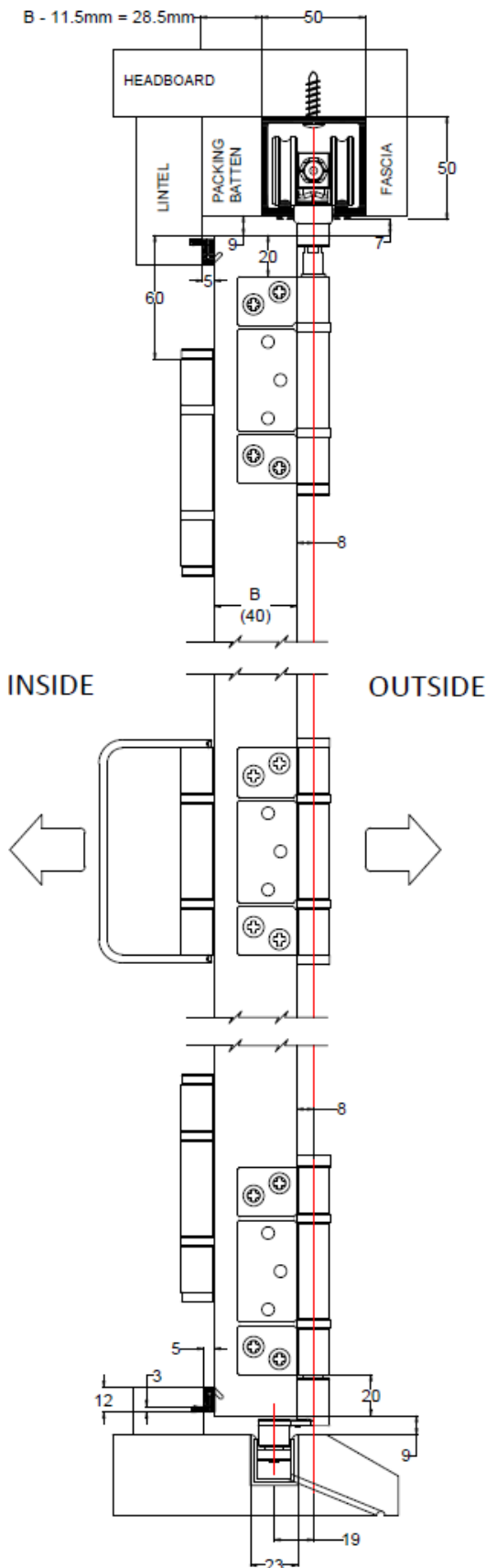


VIO-5



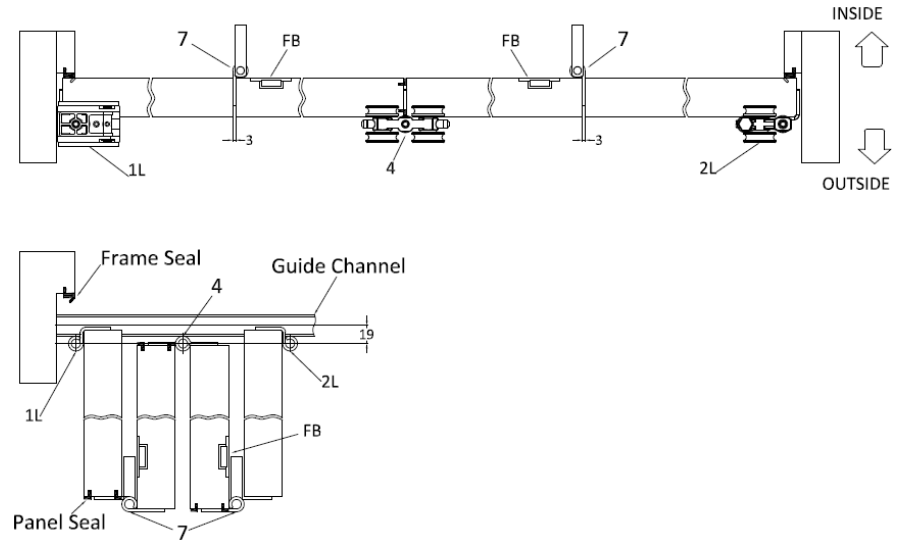
VIO-6

Technical Data Sheet



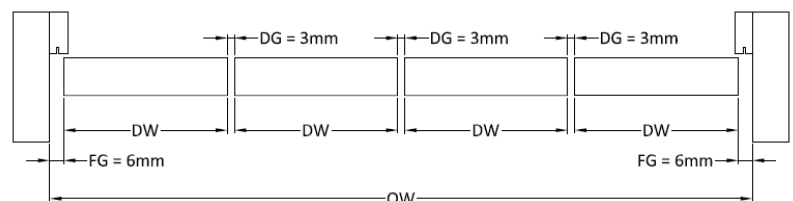
Packing Batten Thickness (B):

Batten thickness = 11.5mm thinner than the door thickness.
e.g. Door thickness at 40mm – Batten thickness is 28.5mm



Door Height Calculation:

Door height = Opening height less depth of Top Track (50mm) less the Door Gap top (7mm) less Door Gap bottom (9mm) = 66mm.
e.g. Opening Height 2100mm less 66mm = 2034mm Door height



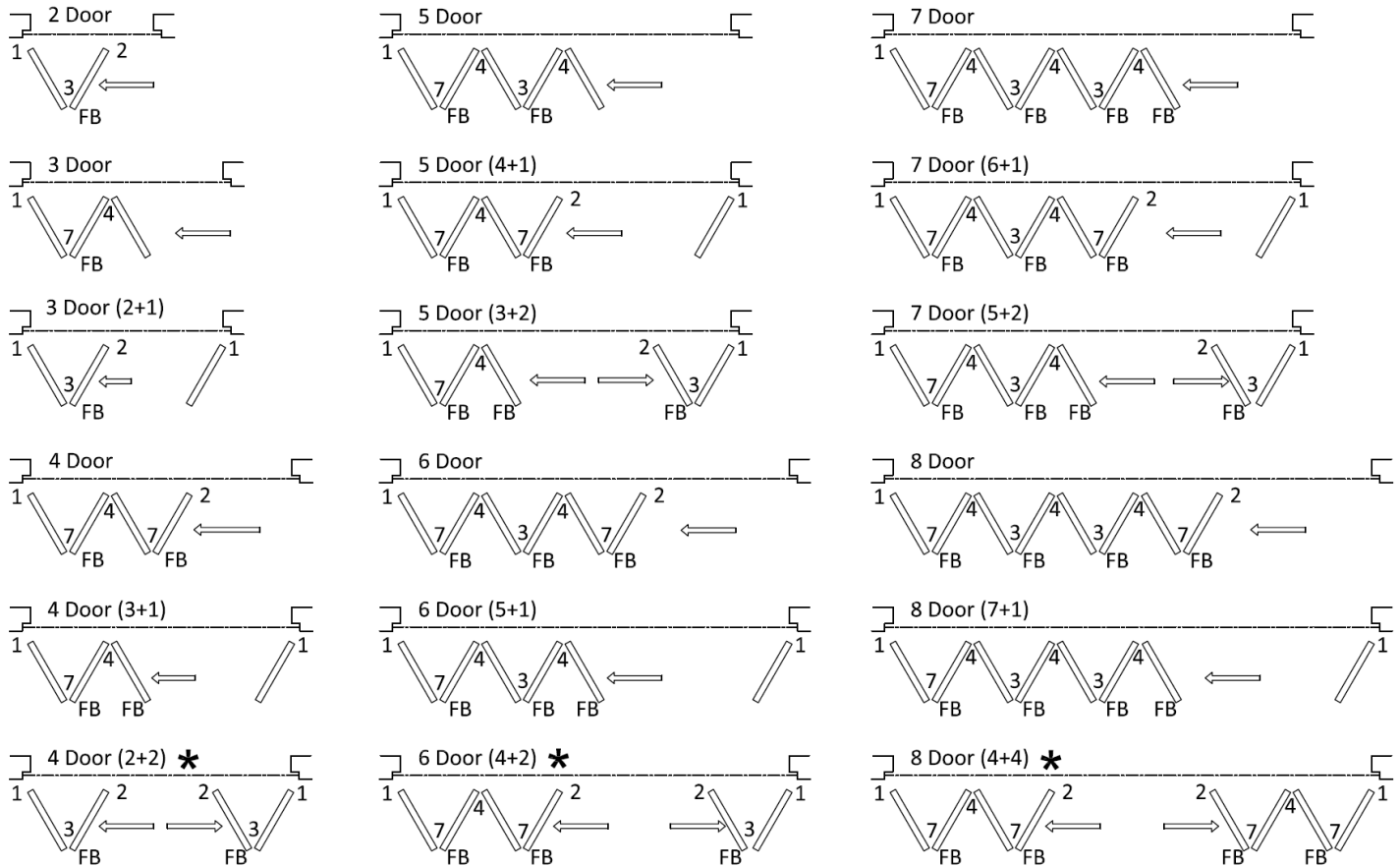
Door Width Calculation:

Total Opening width (OW) less Frame Gap (FGx2) less Door Gap x No of door less 1(DG x No of Doors -1) = Adjusted total Opening width ÷ No of Doors.

e.g. (OW) 2400 – (FG 6mm) x2=12mm – (DG 3mm) x4 – 1 =9mm = Adjusted Opening width 2379mm ÷ 4 = (DW) 594.75mm

Technical Data Sheet

Common Folding Door Configurations Outward Opening

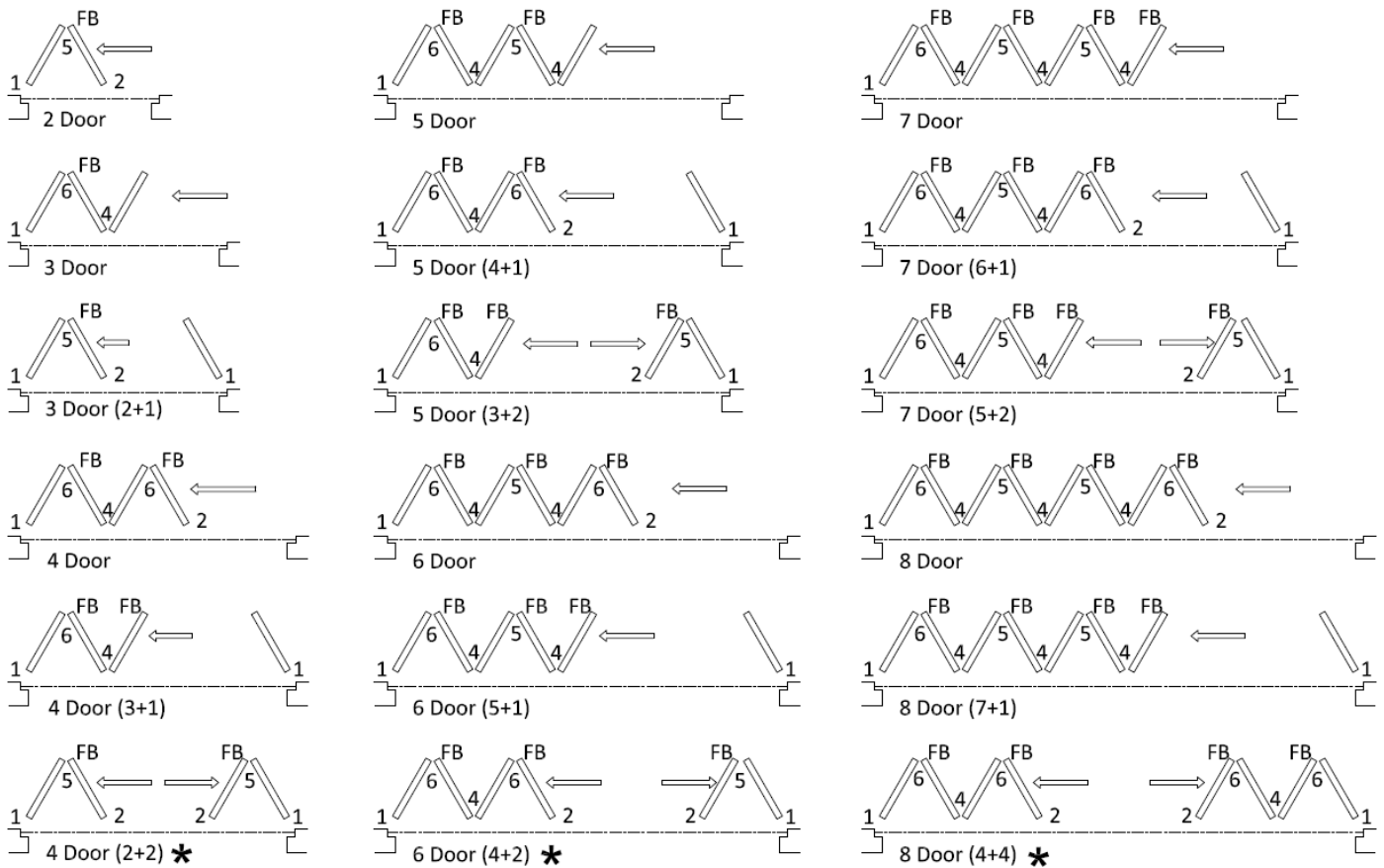


* If the meeting Panels/Doors are rebated substitute the 2 x VIO 2 End Hanger Sets for 1 X VIO 8 Meeting Stile Hanger Set.

HARDWARE LEGEND		
Ref No	Product Code	Description
1	VIO 1	Pivot Set LH or RH
2	VIO 2	End Hanger Set incl Guide LH or RH
3	VIO 3	Hinge Handle Set
4	VIO 4	Intermediate Hanger Set
5	VIO 5	Hinge Set
6	VIO 6	Offset Hinge Set
7	VIO 7	Offset Hinge Handle Set
8	VIO 8	Meeting Stile Hanger Set
9	VIO 9	Security Hinge (Optional)
FB		Flush Bolts

Technical Data Sheet

Common Folding Door Configurations Inward Opening



* If the meeting Panels/Doors are rebated substitute the 2 x VIO 2 End Hanger Sets for 1 X VIO 8 Meeting Stile Hanger Set.

Handing

VIO 1 Pivot Set: Non-handed reversible left or right hand on installation.

VIO 2 End Hanger Set: Non-handed reversible left or right hand on installation.

Flush Bolts:

Suggest they be installed in pairs to the top & bottom of the door.

Longer Flush Bolts are available for taller door.

Inward opening doors use Offset / Cranked Flush Bolts (VFBO) & (VFBLO).

VFBO-01 - Flush Bolt Non-Key Lockable 200mm

VFBO-02 - Flush Bolt Non-Key Lockable 400mm

VFBO-03 - Flush Bolt Non-Key Lockable 600mm

VFBL-01 - Flush Bolt Non-Key Lockable 200mm

VFBL-02 - Flush Bolt Non-Key Lockable 400mm

VFBL-03 - Flush Bolt Non-Key Lockable 600mm