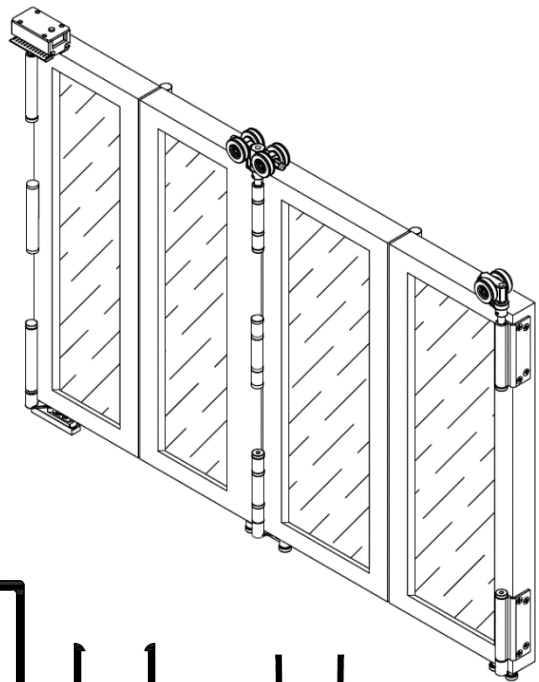


# Technical Data Sheet

## VIO 50 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 50 is suitable for doors to a maximum weight of 50kg per leaf.



### DOOR SPECIFICATION

#### Individual door leaves:

Maximum door height:	3000mm
Maximum door width:	1000mm
Door thickness:	35-65mm
Maximum door weight:	50kg
Maximum No of doors:	8 each direction

### HARDWARE SPECIFICATION

#### Track & Guide Channels

Track	VT50
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:

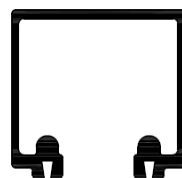
Hinge Handle Set	VIO 3
Offset Hinge Handle Set	VIO 7
Hinge Set	VIO 5
Offset Hinge Set	VIO 6
Security Hinge	VIO 9

#### 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



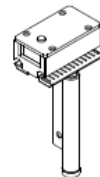
VT50 Top Track



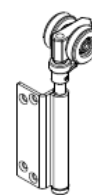
VGC Guide Channel



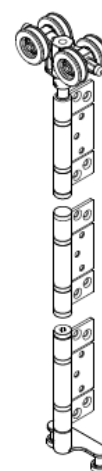
VPCI Poly Guide Channel Insert



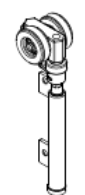
VIO-1



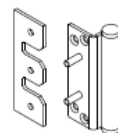
VIO-2



VIO-4



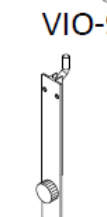
VIO-8



VIO-9



VFB



VFBO



VFBL



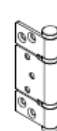
VFBOL



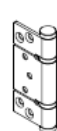
VIO-3



VIO-5

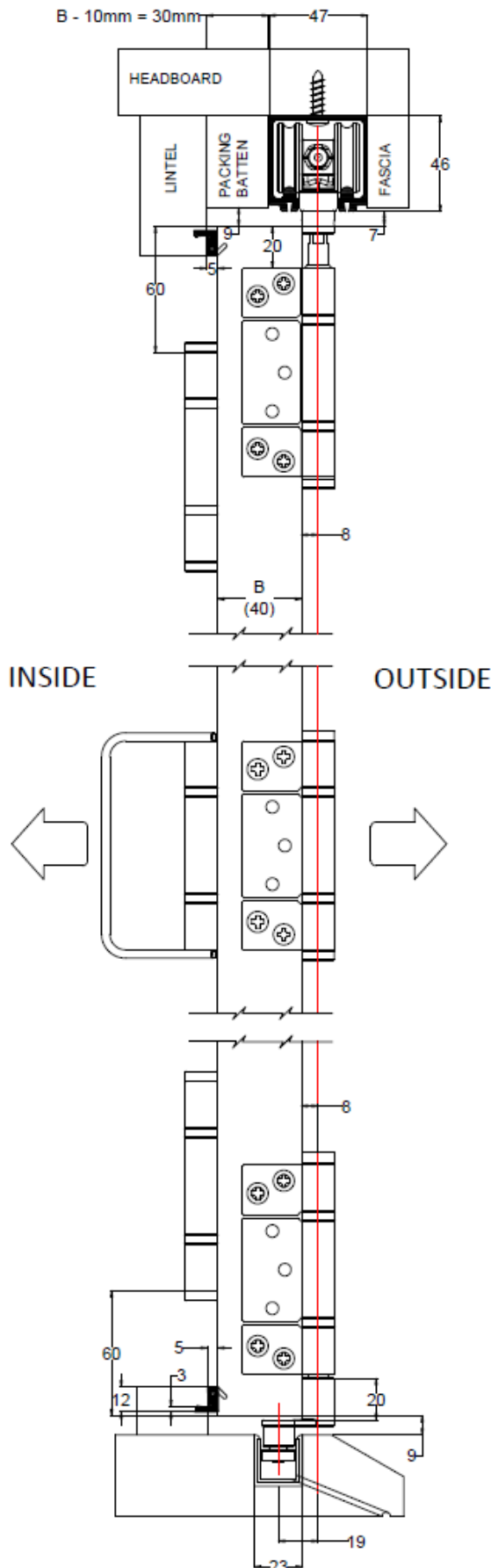


VIO-6



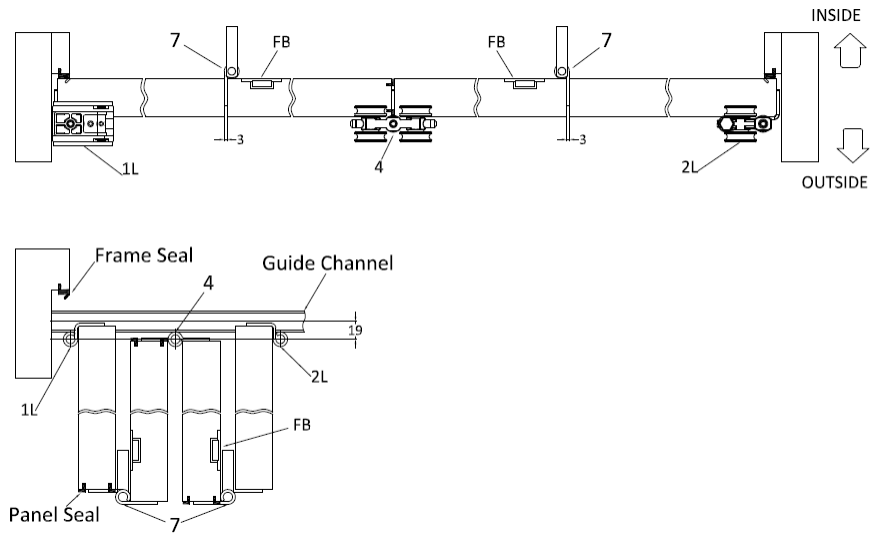
VIO-7

# Technical Data Sheet



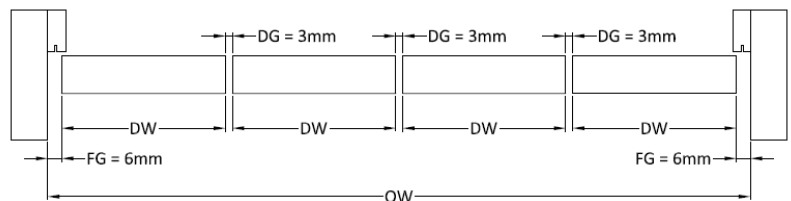
## Packing Batten Thickness (B):

Batten thickness = 10mm thinner than the door thickness.  
e.g. Door thickness at 40mm – Batten thickness is 30mm



## Door Height Calculation:

Door height = Opening height less depth of Top Track (45mm) less the Door Gap top (7mm) less Door Gap bottom (9mm) = 61mm.  
e.g. Opening Height 2100mm less 61mm = 2039mm Door height



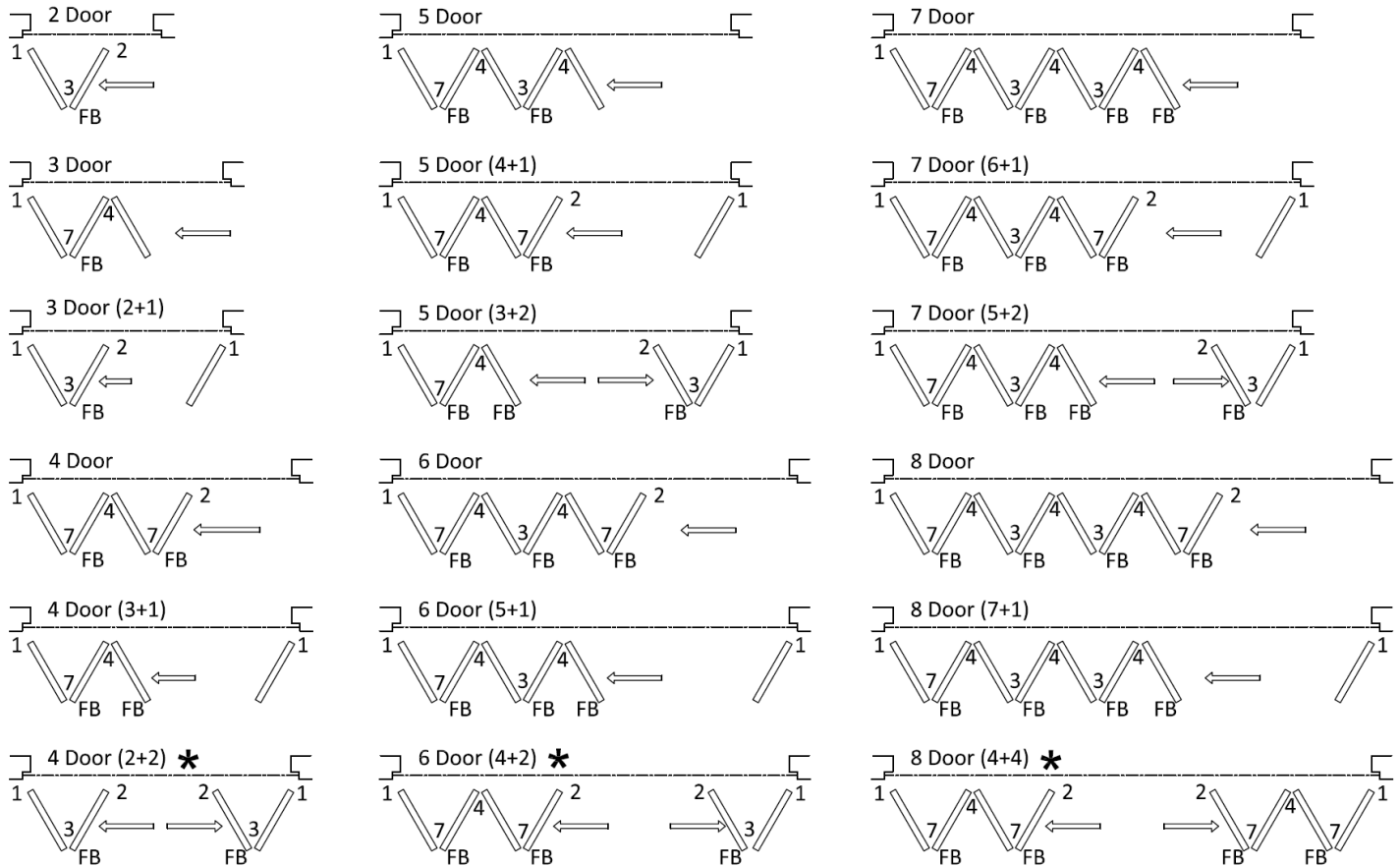
## Door Width Calculation:

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

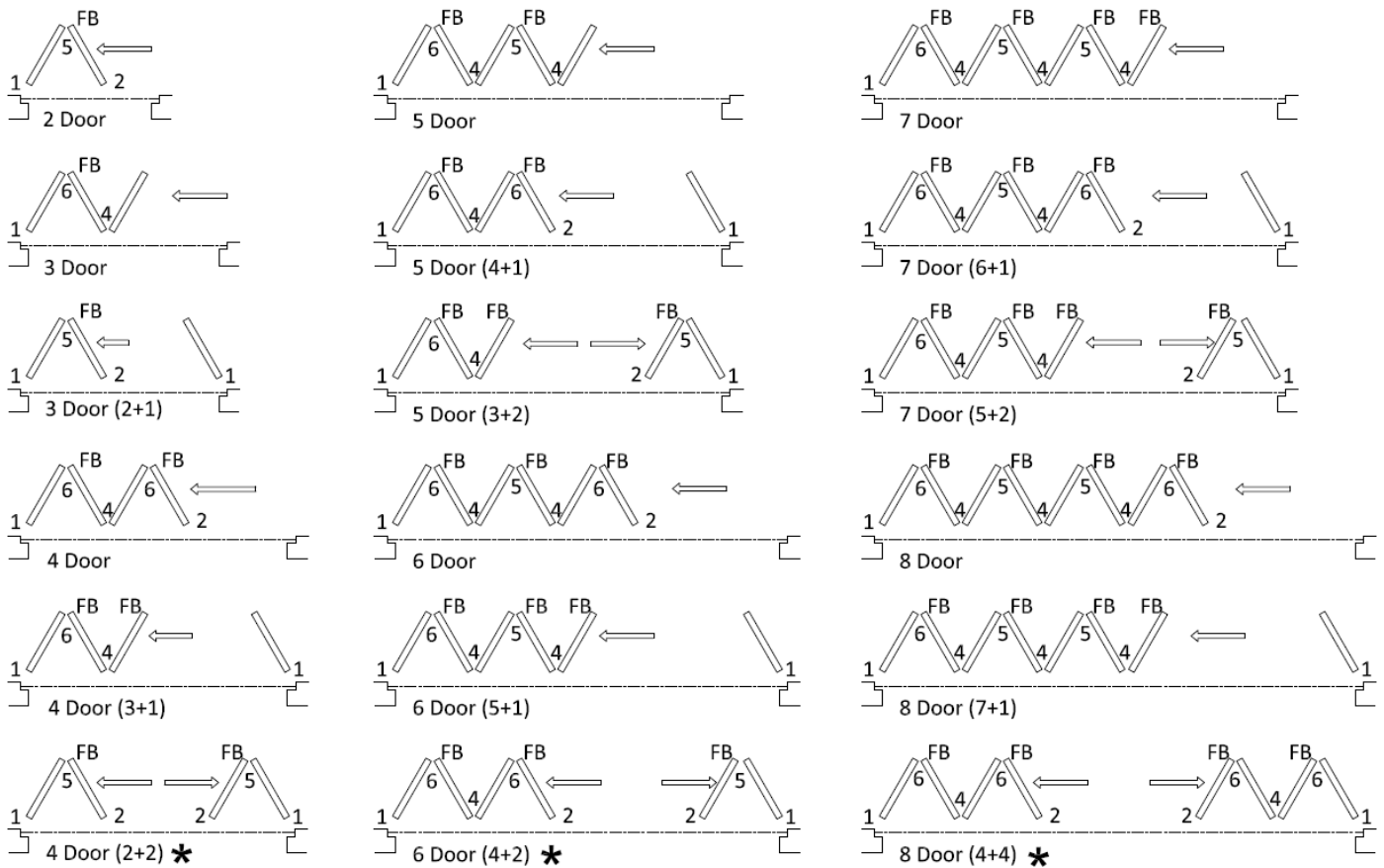


\* If the meeting Panels/Doors are rebated substitute the 2 x VIO 2 End Hanger Sets for 1 X VIO 8 Meeting Stile Hanger Set.

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