KORNICHE

BI-FOLDING DOOR

PRODUCT SPECIFICATION GUIDE

BI-FOLDING DOOR

Specification and dimensions

Slim, beautiful sightlines

- Attractive, slim-line profiles with industry leading sightlines.
- Low profile integrated threshold as standard.
- Concealed slavelock actuator for un-cluttered aesthetics (French door arrangement).
- Slim, aluminium adjustable trickle air vents, colour matched to standard colour range.

Fast & easy installation

- Patented clip-in internal glazing beads, the only aluminium clip-in bead which can be removed quickly without damaging the paint finish. Wedge gasket not required, cutting down on installation time.
- The door is pre-assembled and ready to glaze, easy build kit-form option.
- Pre-assembled panels are fabricated using strong, bonded and crimped mitred corners.
- Well thought out packaging with compartmentalised installation parts box.

Strong and secure

- Fuhr hook locking mechanism with 'lift-up' to lock handle and adjustable, one-piece keep.
- 5 or 7 traffic door locking points. (2 extra shootbolts when sash taller than 2260mm)
- Yale 3 star kite-marked cylinder as standard.
- Anti-backdrive secondary shoot-bolt locking on folding doors with fibre reinforced guides.
- Low angle folding door shootbolt handle requiring only 120° of rotation. Secure even if left unlocked.
- Stainless-steel fixings, rails, hardened wheels and articulated sealed rail bearings for class leading rolling smoothness and long life.

Thermally efficient

- Wide polyamide thermal breaks and fully thermally broken profiles and locking mechanisms.
- High performance QLon, EPDM and sealed brush-pile weather seals.

Performance

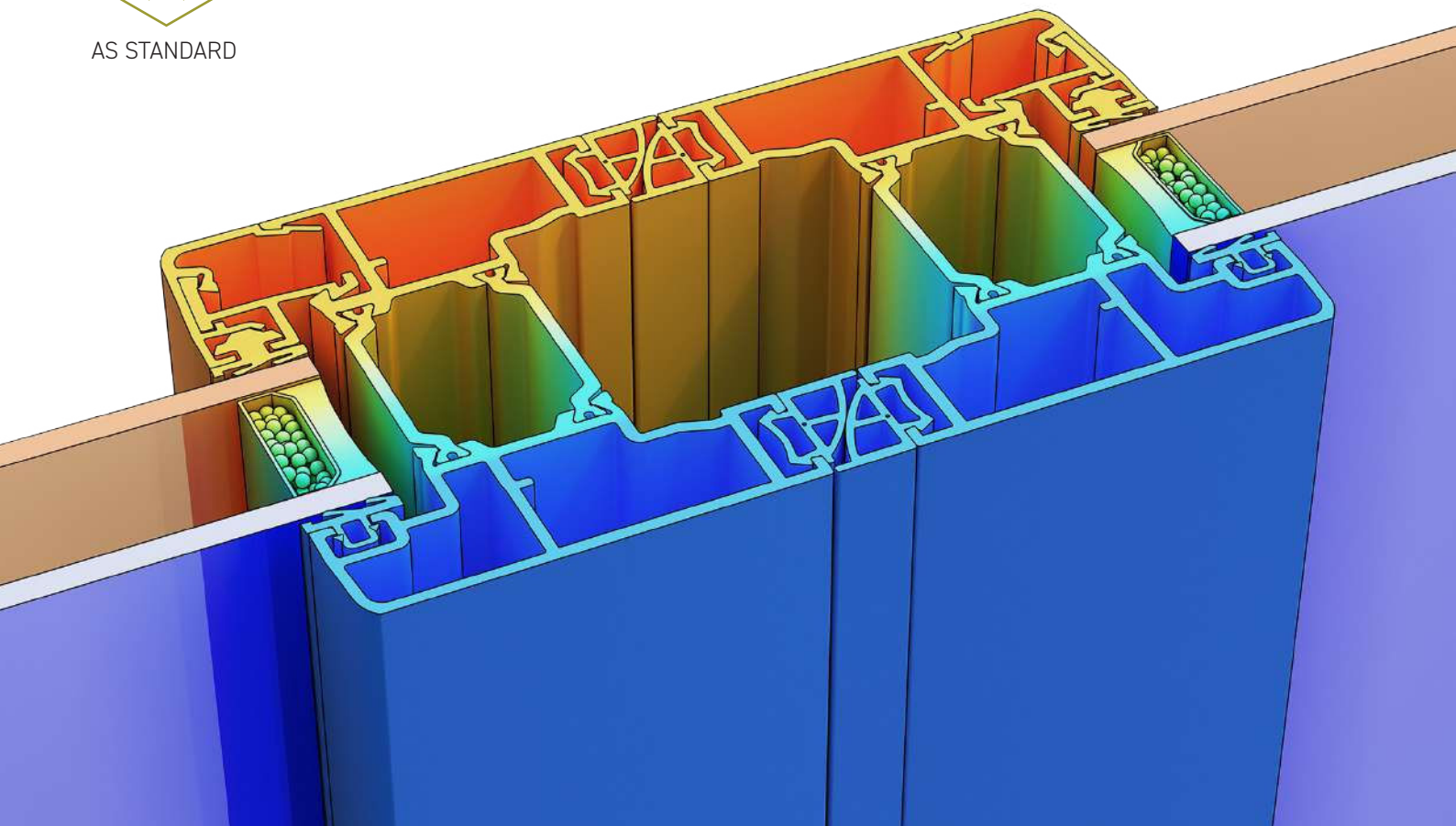
- U Value : from 1.5 W/m²K
- Air permeability : class 2, 300Pa
- Water tightness : 7A
- Resistance to wind load : 1200Pa
- Document L compliant
- PAS 24:2016 enhanced security rated
- BS 6375 compliant
- Passed 50,000 traffic door + 10,000 folding cycles

Dimensions

- Frame depth 84mm
- Sash depth 75mm
- Glass 28mm double glazed units
- Max height: 2500mm (per sash)
- Max width 1250mm (per sash)
- Max sash weight: 120kg

PAS 24:2016 CERTIFICATION

AS STANDARD



BI-FOLDING DOOR

Colours

- Single or dual colour, marine quality polyester powder coat as standard.
- Matching, weather tested Korniche hardware in a range of finishes.
- Matching door magnet stops, trickle vents and end caps in standard range of colours.

White : RAL9910 (gloss)

Black : RAL9005 (matt)

Grey : RAL7016 (matt)

Grey : RAL7016 outer (matt)
White : RAL9910 inner (gloss)

Bespoke RAL colour
availability (gloss, satin or matt)

White : RAL9910 (gloss)

Black : RAL9005 (matt)

Grey : RAL7016 (matt)

Polished chrome finish

Brushed stainless
steel finish

Matching shoot bolt
on all colours

BI-FOLDING DOOR

Glass

High efficiency IGU (insulated glass units)

- Unit size : 28mm (4mm glass + 20mm spacer + 4mm glass)

Various glass options including :

- Planitherm total plus
  (Low-E glass, warm edge spacer, argon filled)
  (SF75 U value : 1.22 Wm²/K)
- Planitherm one
  (Low-E Glass, Warm Edge Spacer, Argon Filled)
  (SF75 U Value : 1.0 Wm²/K)

Low-E glass coatings

- Solar emissivity as low as 0.05
- Solar heat gain coefficient (g-value) down to 0.14

"Low-E coatings minimize the amount of ultraviolet and infrared light that can pass through without compromising the amount of visible light that is transmitted. When heat or light energy is absorbed by glass, it is shifted away by re-radiating outward from the glass surface."

Warm edge spacer technology

- Up to 2dB lower noise transmission
- Reduced condensation by up to 70%
- Tested down to -45°C and up to 85°C

"Warm edge technology has radically changed the window market by significantly improving thermal performance to reduce thermal conductivity, lower heat loss and improve energy efficiency."

Specifications subject to change. Other glass options available including laminated

Components

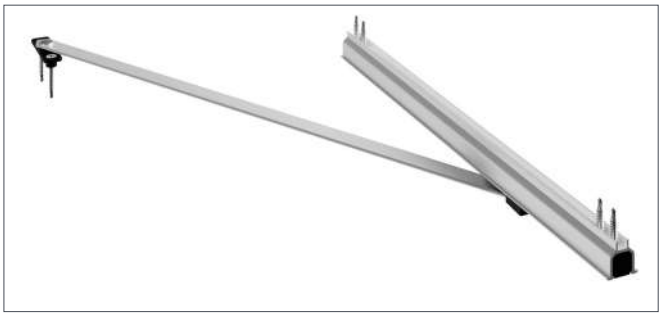
Folding door shootbolt key

Yale 3 star locking barrel

Yale 3 star key

Magnetic catch

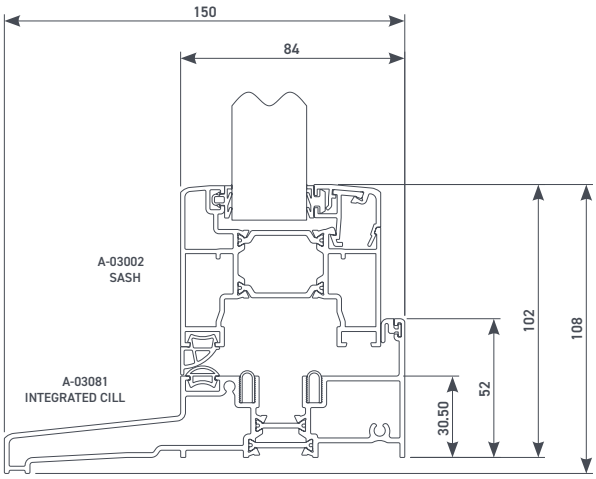
Matching adjustable aluminium trickle vent - 2500mm2



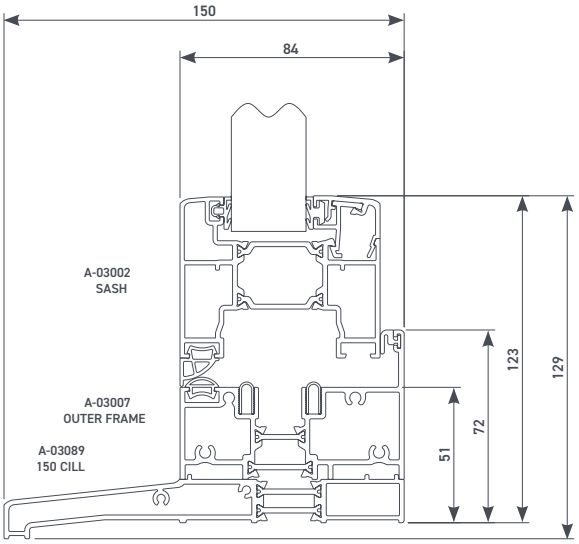
High strength traffic door restrictor mechanism

BI-FOLDING DOOR PROFILE INFORMATION

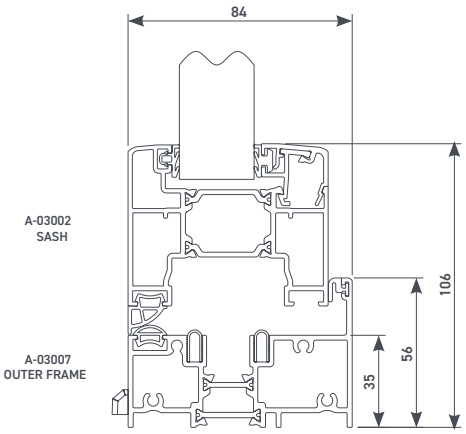
Dimensions



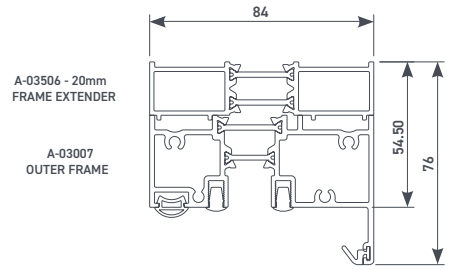
Integrated cill with sash profile



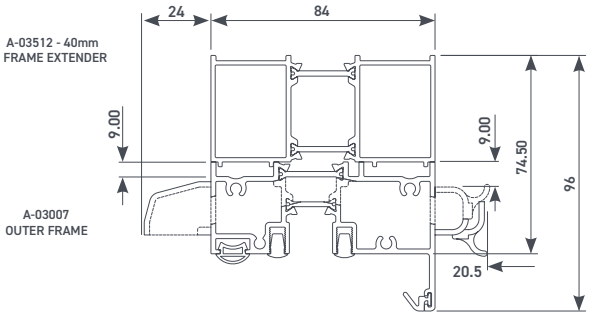
150mm cill with outer frame & sash profile



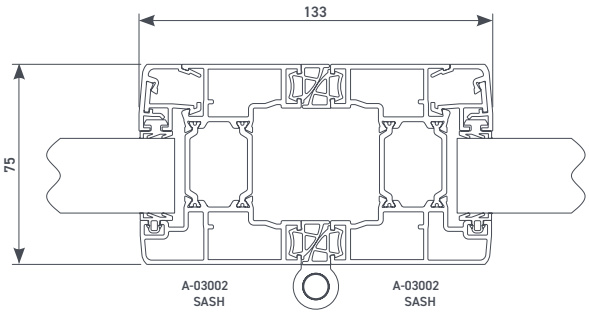
Standard outer frame with face drain



Standard outer frame with 20mm extender



Standard outer frame with 40mm extender & trickle vent

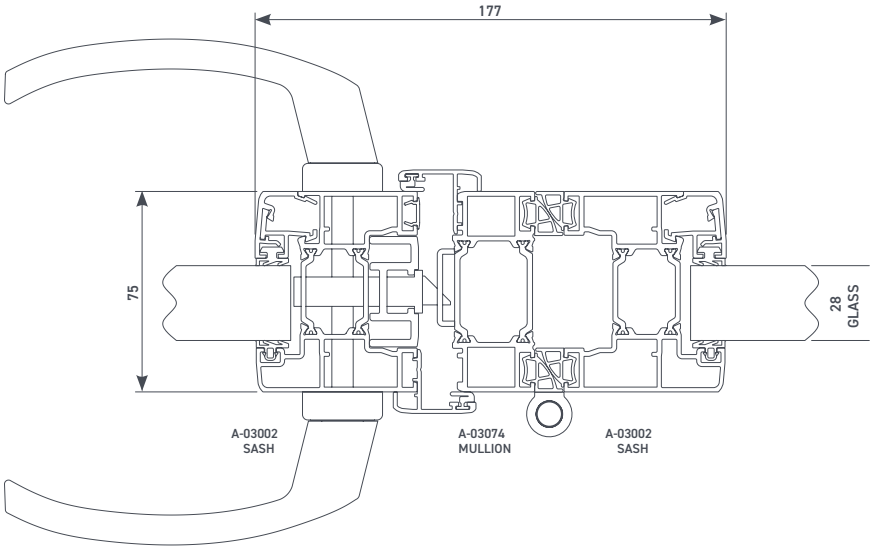


Sash to sash

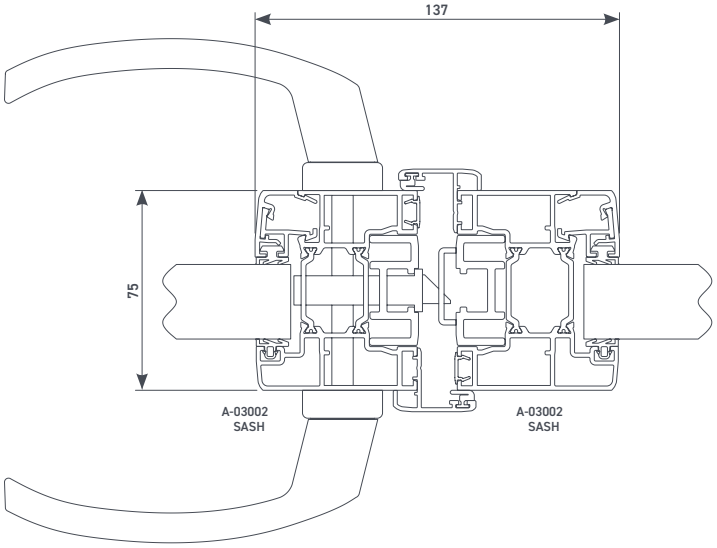
BI-FOLDING DOOR PROFILE INFORMATION

Dimensions

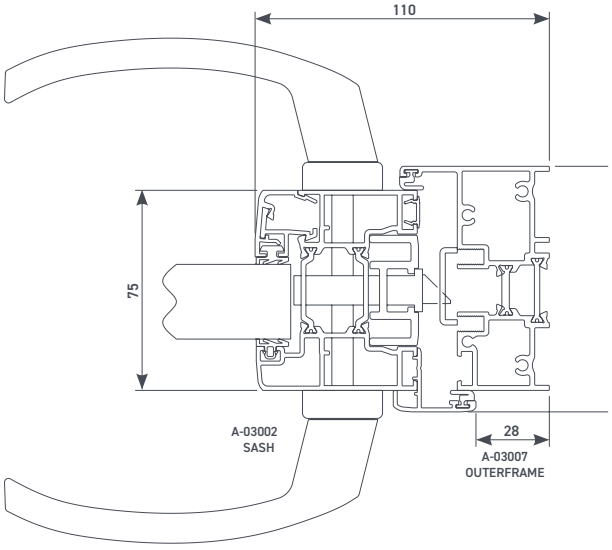
Traffic door connecting to sliding mullion



Traffic door to slave door (french door arrangement)

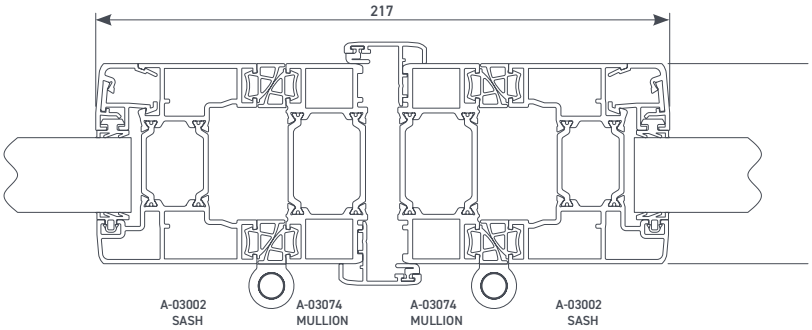


Traffic door to outer frame

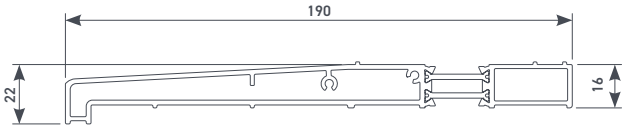


BI-FOLDING DOOR PROFILE INFORMATION

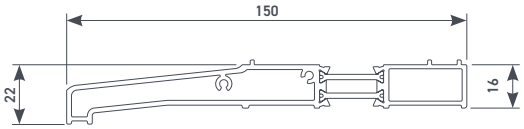
Dimensions



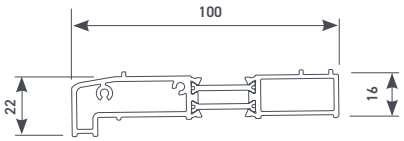
Mullion to mullion



A-03090 - 190mm cill



A-03089 – 150mm cill

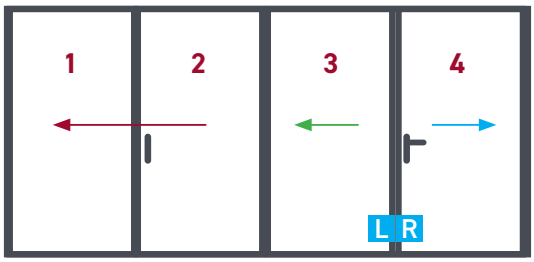


A-03088 - 100mm cill

BI-FOLDING DOOR CONFIGURATIONS

Outside View

Door style key



Folding doors

Slave door

Traffic door

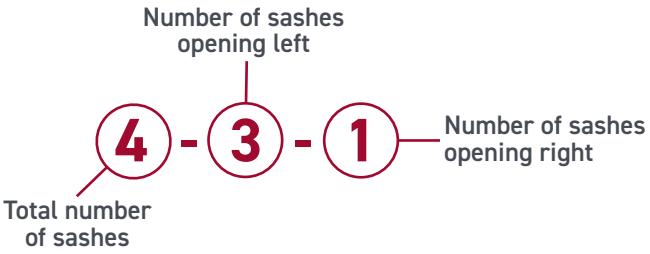
L R Traffic door can be on the left or right

Opening out door set

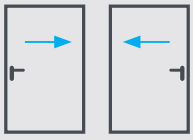
Opening in door set

Viewed outside

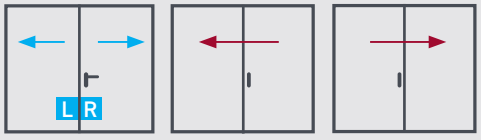
Configuration numbers explained



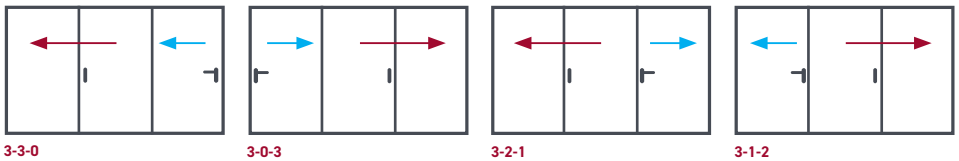
Single door



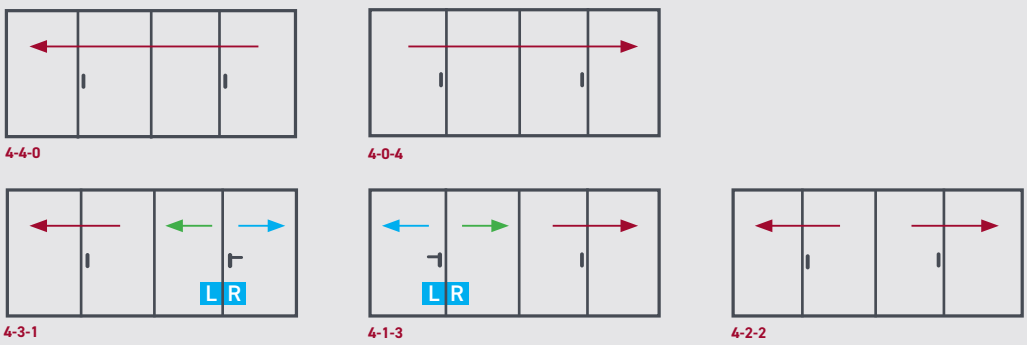
Two door



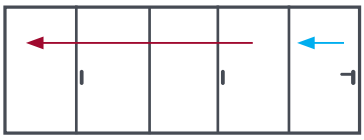
Three door



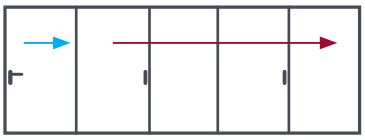
Four door



Five door



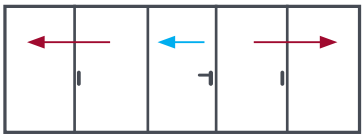
5-5-0



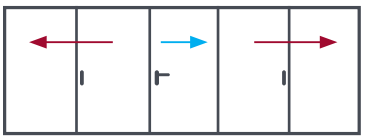
5-0-5

5-4-1

5-1-4



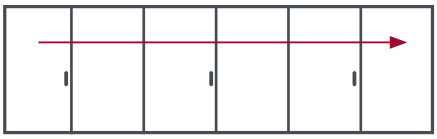
5-3-2



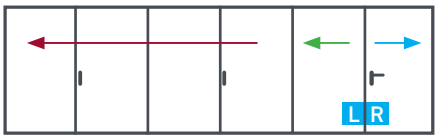
5-2-3

Six door

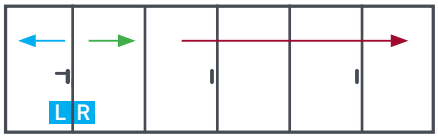
6-6-0



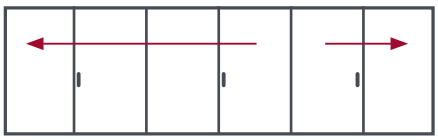
6-0-6



6-5-1



6-1-5



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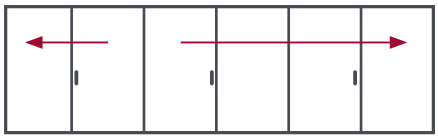

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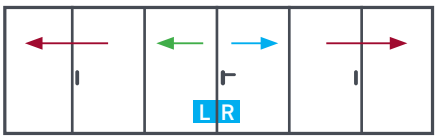


6-3-3

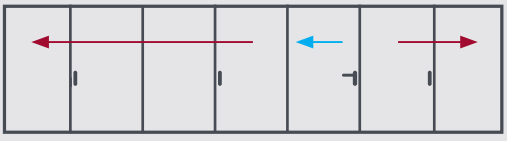
Seven door

7-7-0

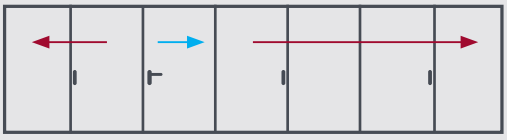
7-0-7

7-6-1

7-1-6



7-5-2



7-2-5

7-4-3

7-3-4

BI-FOLDING DOOR PROFILE INFORMATION

Hardware

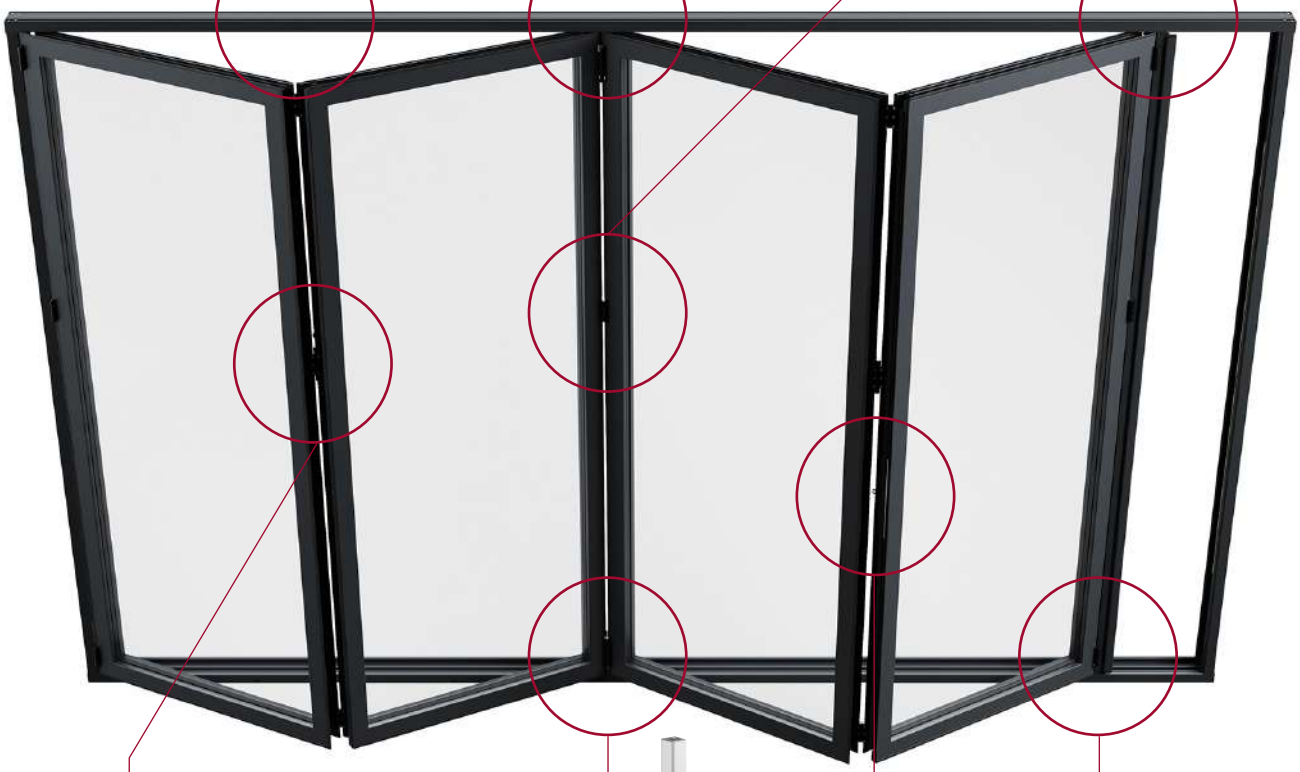
Anti-lift security keel feature

Matching optional trickle vents

Top roller hinge

Main hinge

Top mullion roller



D-handle hinge

Bottom roller hinge

Shoot bolt handle, key + gearbox

Bottom mullion roller

Only 120° to open

BI-FOLDING DOOR

Hardware

FUHR

Bi-fold main lock

Hook lock

Roller cam

Roller cam

Hook lock

Door restrictor

Extra shoot bolt for door sashes over 2260mm

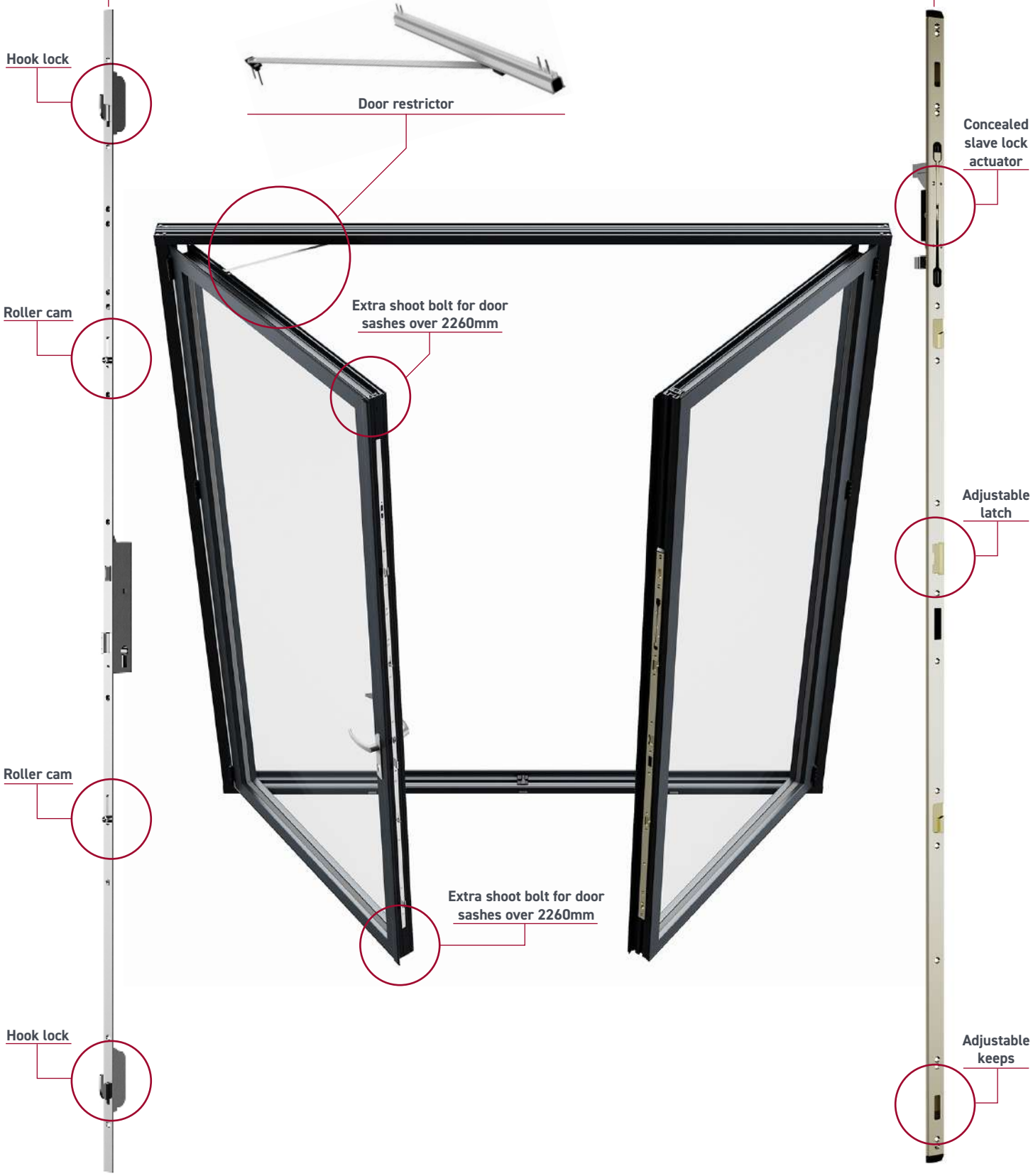
Extra shoot bolt for door sashes over 2260mm

1 piece lock keep

Concealed slave lock actuator

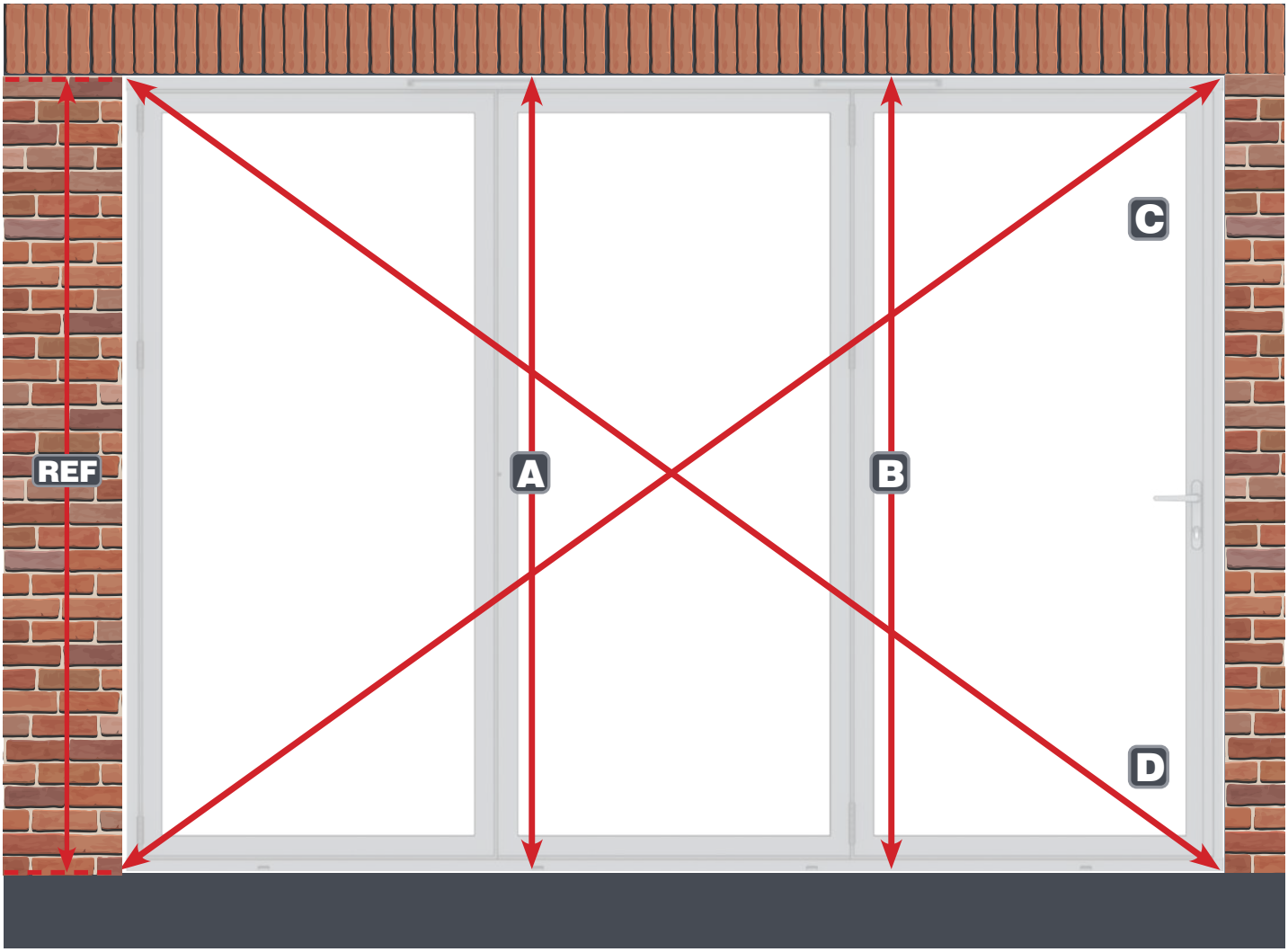
Adjustable latch

Adjustable keeps



BI-FOLDING DOOR

Survey guide



Allow 10mm clearance on height and width, opening must be square observe above checking dimensions.

REF=A=B ± 1mm
C=D ± 1mm

Warranty

10 year manufacturer's guarantee

Korniche products are engineered to ensure the highest quality in the market. Good engineering in itself is a guarantee of reliability but for total peace of mind all Korniche products come with a comprehensive 10 year warranty* against all parts and manufacturing.

*See T&C for details of commercial use and marine environment

Brand product partner

Part of the brand that delivers the multi-award winning Korniche roof lantern