

WINDOWS PRODUCT TRAINING - ALUMINIUM



Agenda

- **Why Aluminium Windows?**
- **System Aluminium**
- **USP**
- **Available Series**
- **Technical Specification**
- **Windirect**
- **Q&A**



COMPARISON BETWEEN SYSTEM ALUMINIUM AND LOCAL ALUMINIUM

SYSTEM ALUMINIUM

Engineered, standardized

Tested & certified

Integrated system

Uniform & premium

DESIGN

Performance

Hardware

Aesthetics

LOCAL ALUMINIUM

Locally designed, non-standard

Unverified

Randomly matched

Inconsistent

Not Saint-Gobain Windows!!

- On-Site manufacturing
- Rattling sound
- Operational difficulty
- Weak windows
- Leakage – air/water
- Poor joints
- Poor finish
- Poor coating
- Poor hardware



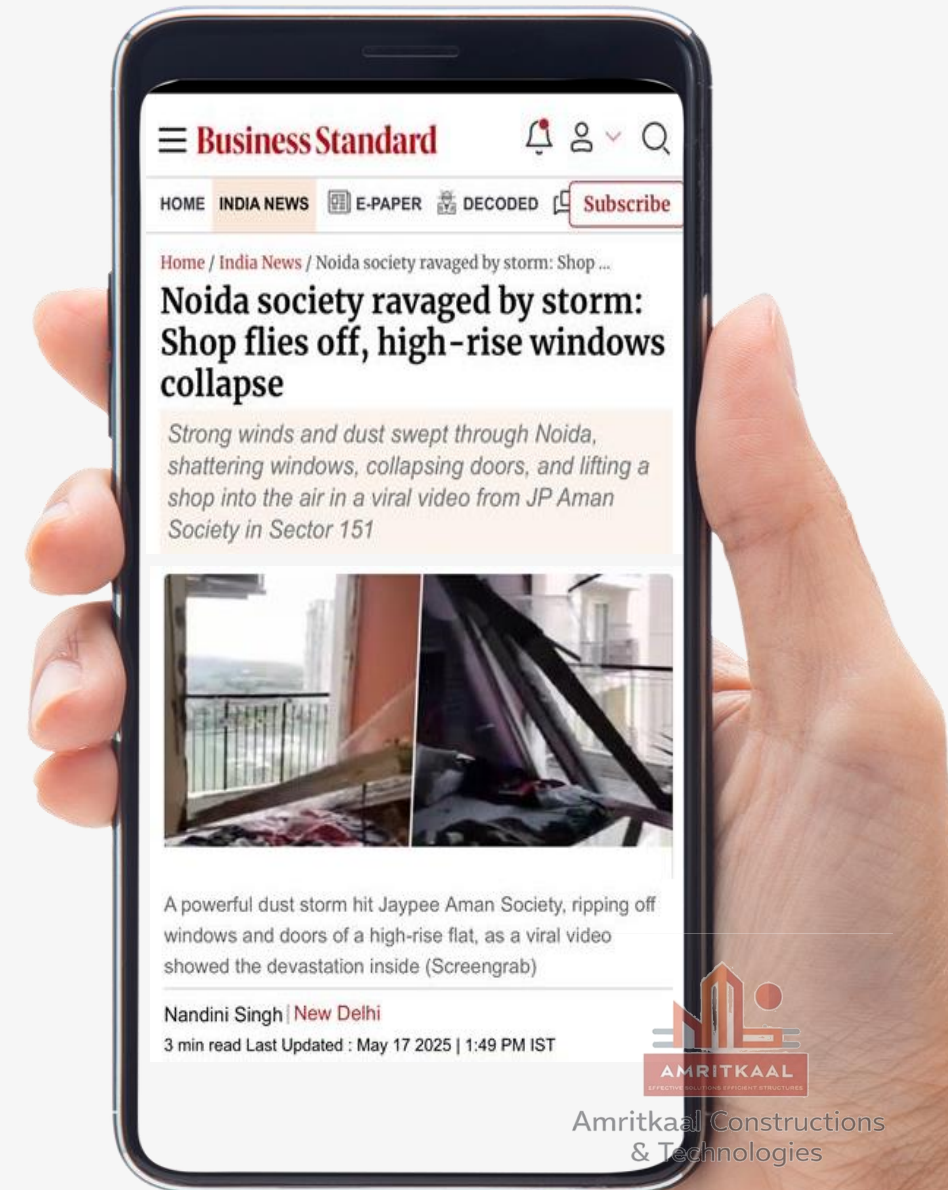
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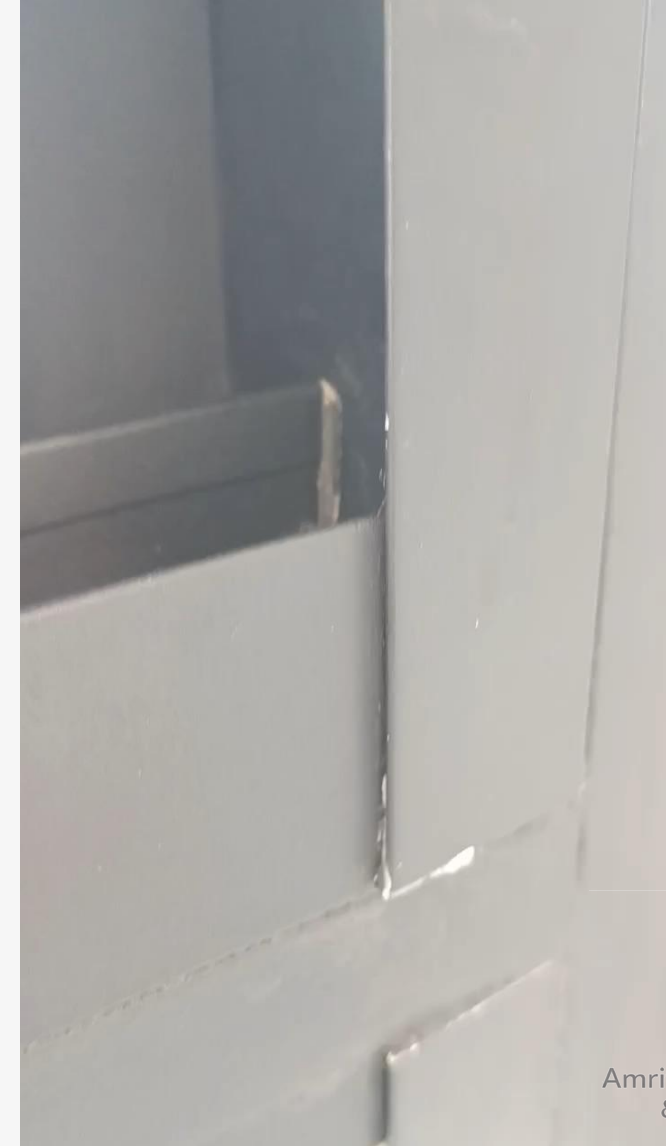
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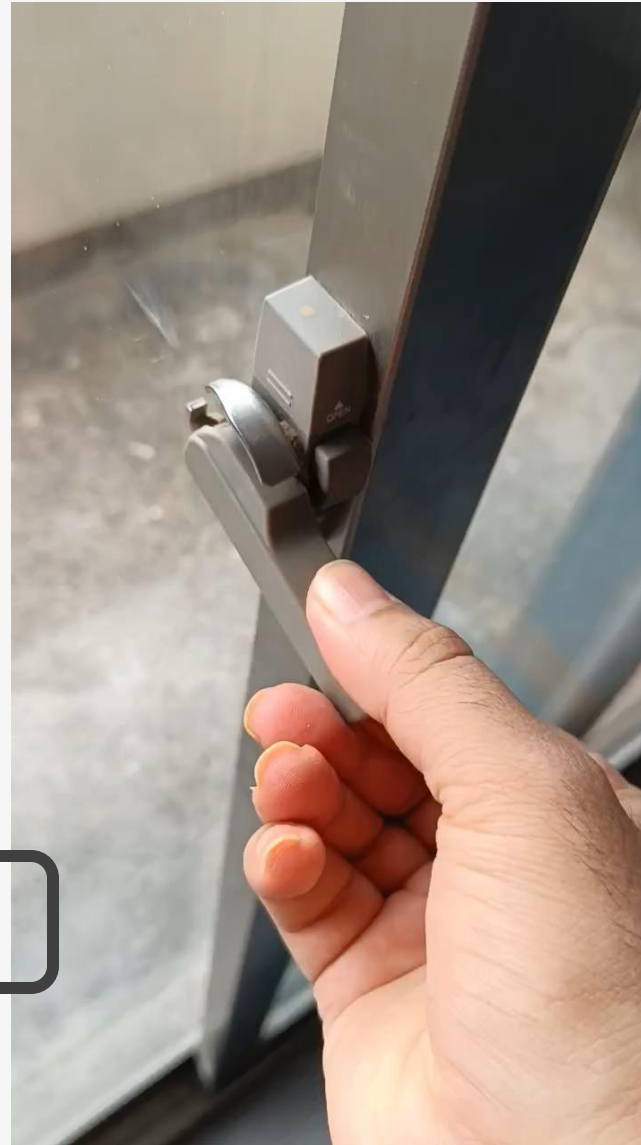
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Slimmest Interlocks!

BRAND	WINDOW INTERLOCK
Schueco Baseline/Troptec	30/37mm
Fenesta Luxury Sliding Window	37mm
Eternia (Hindalco)	32mm
Tostem WE 70 (LIXIL)	35mm

Slimmest Interlocks!

BRAND	WINDOW INTERLOCK
SG Alu Slim	23mm
Schueco Baseline/Troptec	30/37mm
Fenesta Luxury Sliding Window	37mm
Eternia (Hindalco)	32mm
Tostem WE 70 (LIXIL)	35mm

**Slimmest
among top
brands!!**

**Only 800Pa
Windload!!**

Premium Hardware!



SG Aluminium Window USPs

SG Aluminium Window USPs



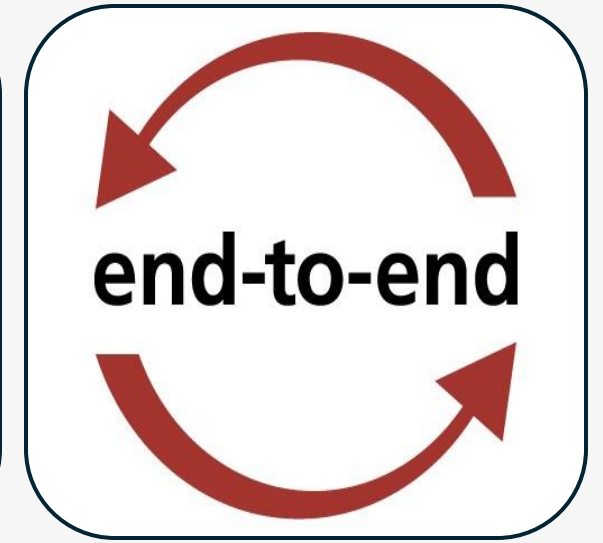
Slim + Strong Interlocks:
23 to 27mm



25-year warranty on profile
coating



Premium Hardware



End-to-end solution from
design to Installation

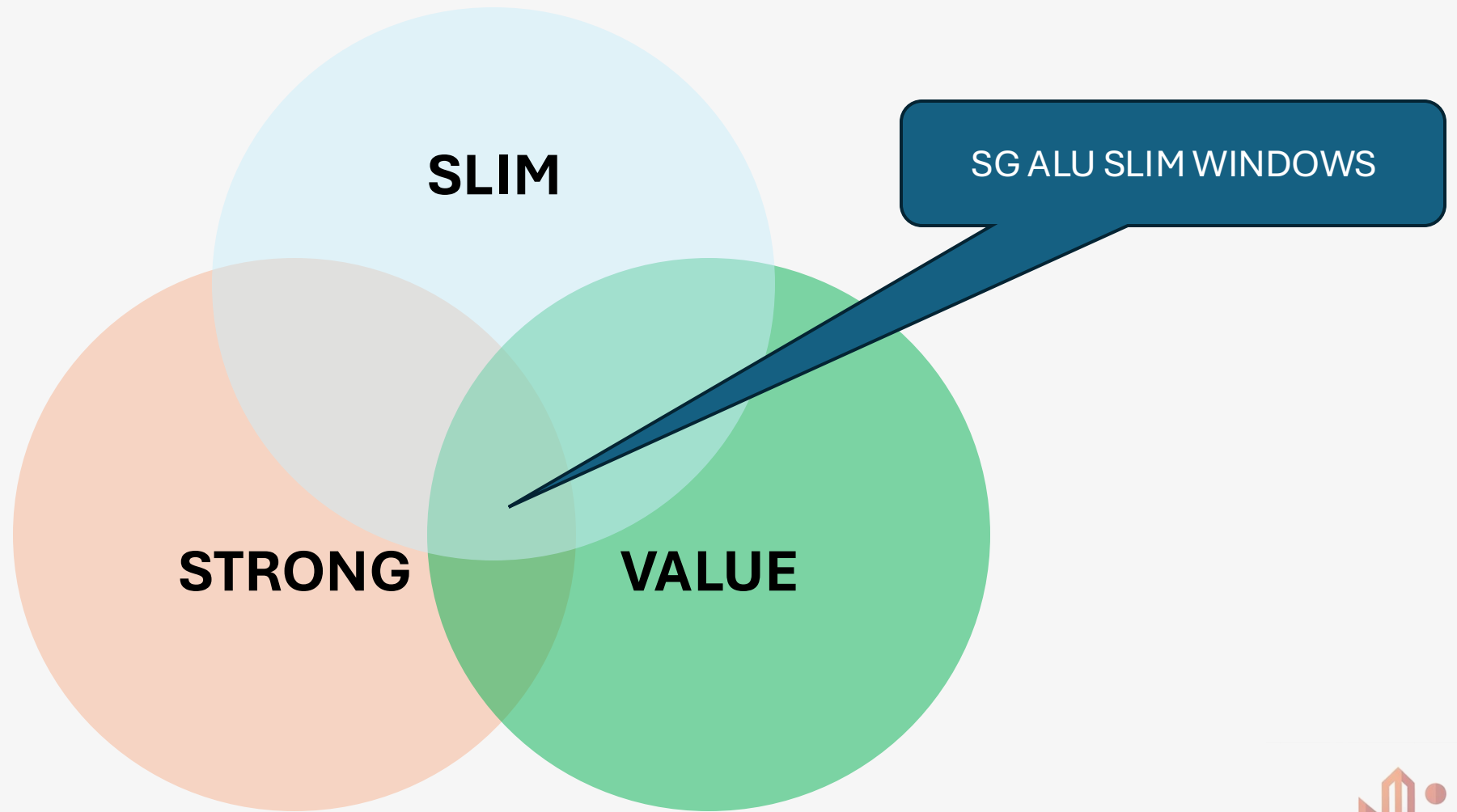
SG Aluminium Window USPs



Integrated Air Vent Options



Large Casement door: Single Shutter
1100(w) x 3000(h)



AVAILABLE SERIES

Aluminum Windows

SLIDING

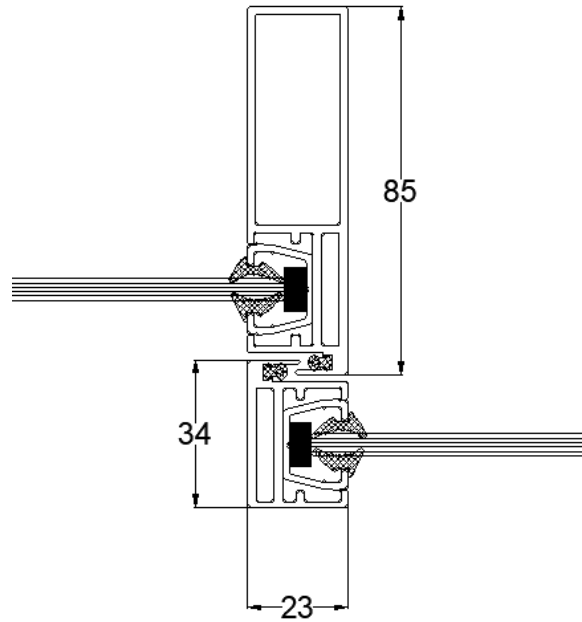
- ALU SLIM 23MM
- ALU SLIM+ 27MM
- ALU SLIM360 25MM

CASEMENT

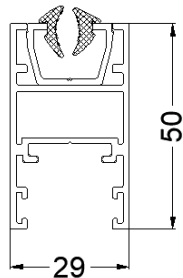
- ALU SWING WINDOW
- ALU SWING DOOR

TECHNICAL SPECIFICATION

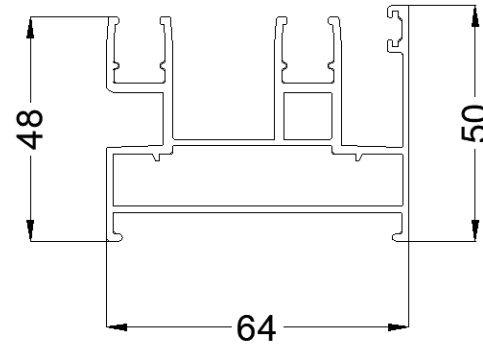
ALU SLIM 23MM



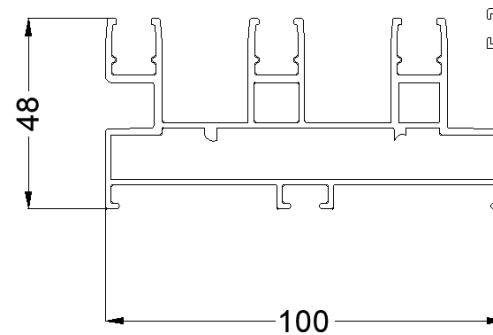
SHUTTER AT INTERLOCK



SHUTTER AT HANDLE SECTION



2-TRACK

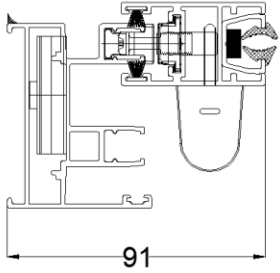


3-TRACK

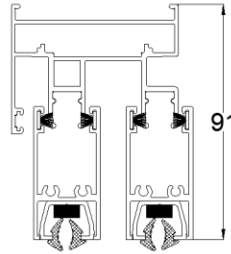
SPECIFICATION

- Interlock width: 23mm
- Maximum height: 1800mm
- Minimum glass thickness: 5mm
- Maximum glass thickness: 18mm
- Bug mesh: Optional
- Track Width :
 - i) 2 Track – 64mm
 - ii) 3 Track – 100mm
- Track Height: 50mm

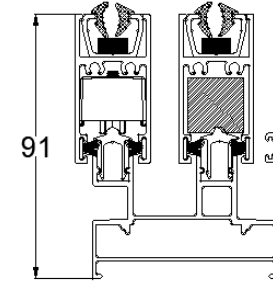
ALU SLIM 23MM



JAMB VISIBLE WIDTH



HEAD VISIBLE WIDTH



SILL VISIBLE WIDTH

HANDLE OPTIONS



SINGLE POINT - FLUSH LOCK



L HANDLE

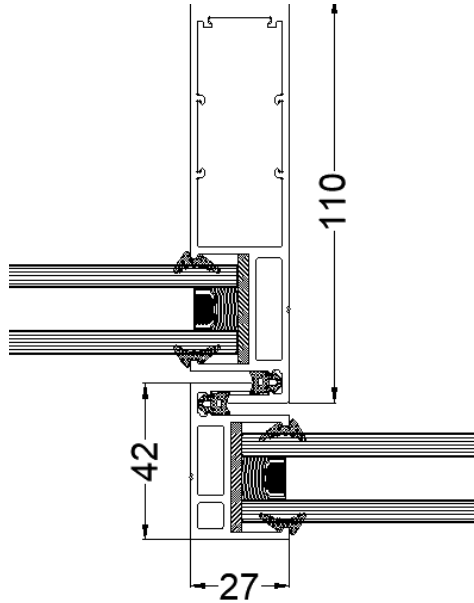


METRO HANDLE
(WITH KEY AND WITHOUT KEY)

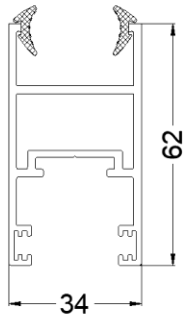
LIMITATION

MIN WINDOW WIDTH	MAX WINDOW WIDTH	MIN WINDOW HEIGHT	MAX WINDOW HEIGHT
800	5000	450	1800

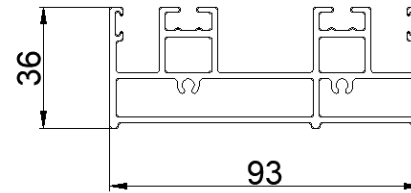
ALU SLIM+ 27MM



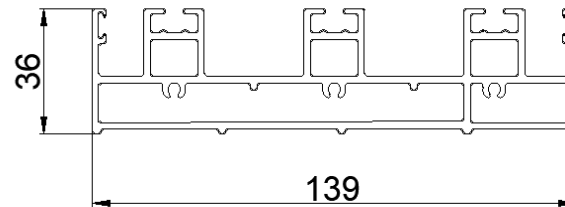
SHUTTER AT INTERLOCK



SHUTTER AT HANDLE SECTION



2-TRACK

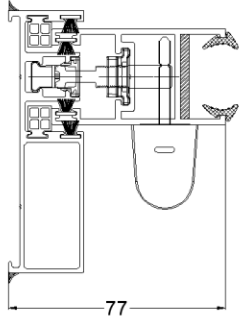


3-TRACK

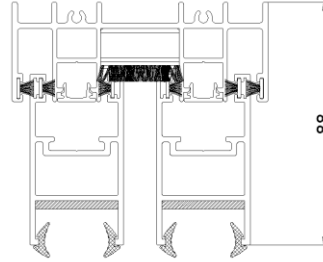
SPECIFICATION

- Interlock width: 27mm
- Maximum height: 3050mm
- Minimum glass thickness: 6mm
- Maximum glass thickness: 24mm
- Bug mesh: Optional
- Track Width :
 - i) 2 Track – 93mm
 - ii) 3 Track – 139mm
- Track Height: 36mm

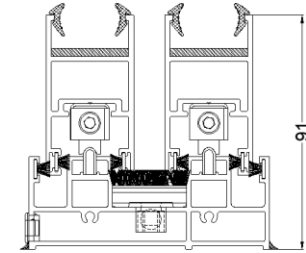
ALU SLIM+ 27MM



JAMB VISIBLE WIDTH



HEAD VISIBLE WIDTH



SILL VISIBLE WIDTH

HANDLE OPTIONS



MULTI-POINT FLUSH LOCK
(WITH AND WITHOUT KEY)



METRO HANDLE WITHOUT KEY

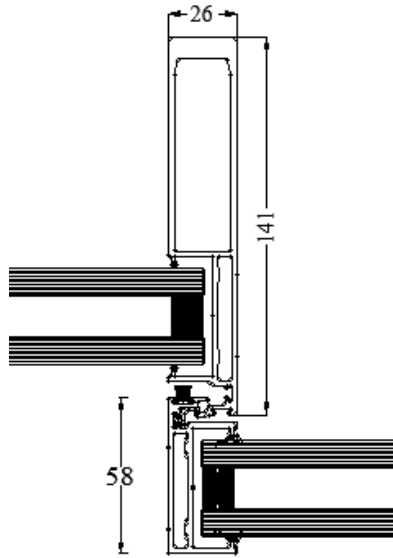


METRO HANDLE WITH KEY

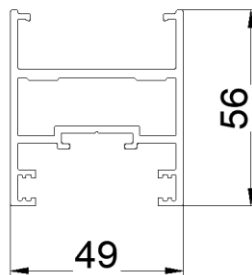
LIMITATION

MIN DOOR WIDTH	MAX DOOR WIDTH	MIN DOOR HEIGHT	MAX DOOR HEIGHT
1500	5000	1800	3000

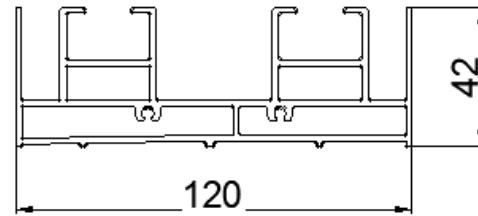
ALU SLIM360 25MM



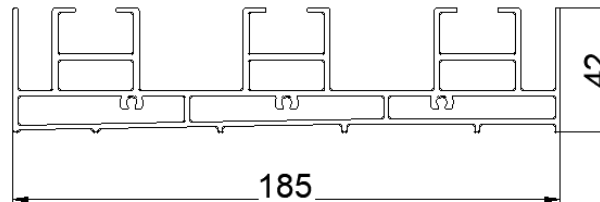
SHUTTER AT INTERLOCK



SHUTTER AT HANDLE SECTION



2-TRACK

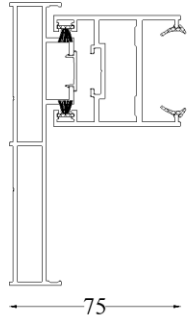


3-TRACK

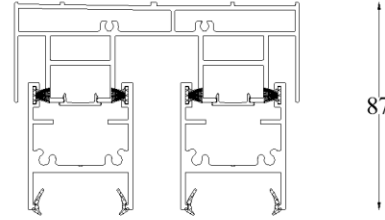
SPECIFICATION

- Interlock width: 25mm
- Maximum height: 3600mm
- Minimum glass thickness: 8mm
- Maximum glass thickness: 36mm
- Bug mesh: Optional
- Track Width :
 - i) 2 Track – 120mm
 - ii) 3 Track – 185mm
- Track Height: 42mm

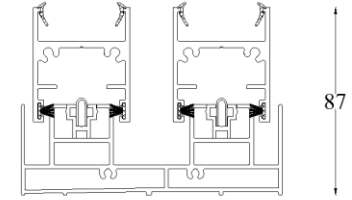
ALU SLIM360 25MM



JAMB VISIBLE WIDTH



HEAD VISIBLE WIDTH



SILL VISIBLE WIDTH

HANDLE OPTIONS



METRO HANDLE WITH KEY

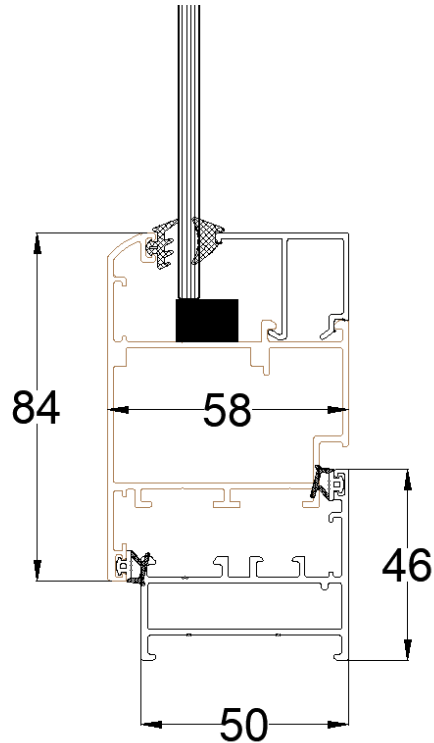


METRO HANDLE WITHOUT KEY

LIMITATION

MIN DOOR WIDTH	MAX DOOR WIDTH	MIN DOOR HEIGHT	MAX DOOR HEIGHT
1500	5000	1800	3600

ALU SWING WINDOW

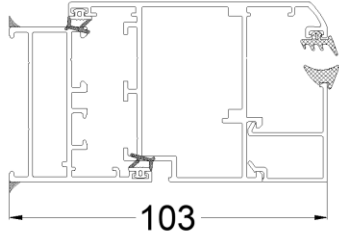


FRAME SHUTTER CONNECTION

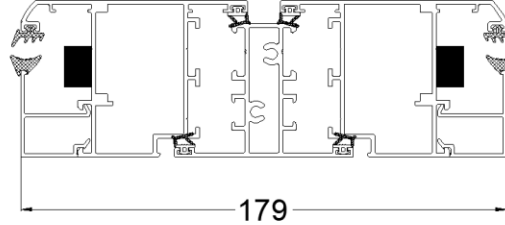
SPECIFICATION

- Maximum Width : 800mm
- Maximum height: 1800mm
- Minimum glass thickness: 5mm
- Maximum glass thickness: 40mm
- Bug mesh: Pleated Mesh
- Frame Width : 50mm
- Frame Height: 46mm
- Shutter width : 58mm
- Shutter Height : 84mm
- Hinges : 2D & Friction Stay

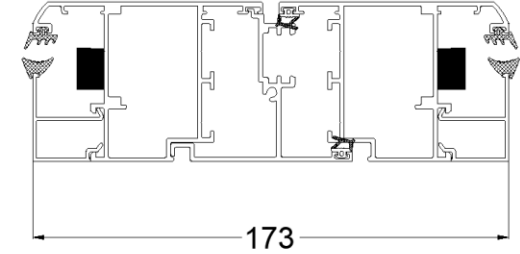
ALU SWING WINDOW



VISIBLE WIDTH ALL 4 SIDES



DOUBLE OPENABLE WITH FIXED MULLION



FRENCH WINDOW WITH FLY MULLION

HANDLE OPTIONS



COCKSPUR HANDLE

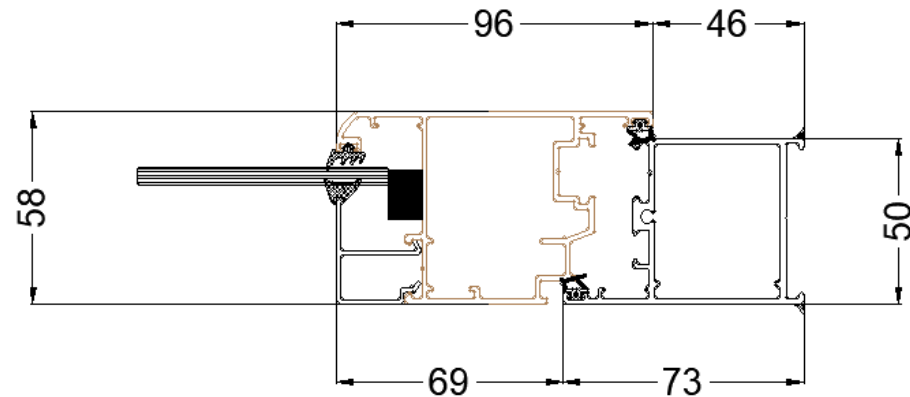


LEVER L HANDLE

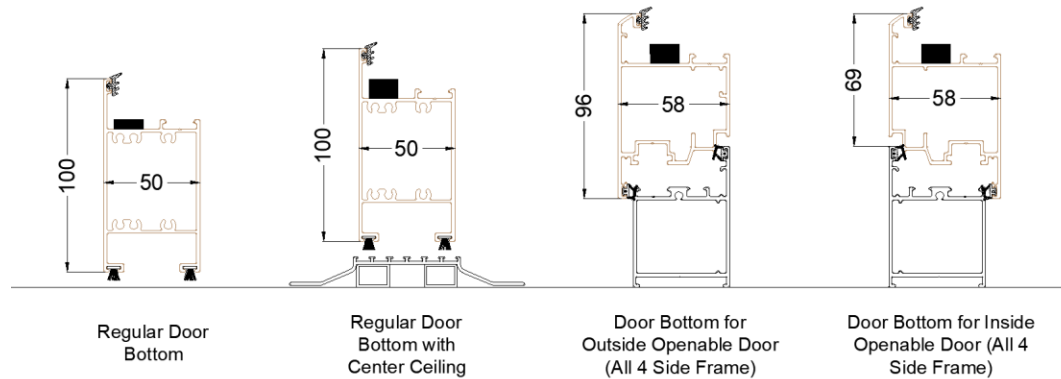
LIMITATION

MIN WINDOW WIDTH	MAX WINDOW WIDTH	MIN WINDOW HEIGHT	MAX WINDOW HEIGHT
400	800	450	1800

ALU SWING DOOR



FRAME SHUTTER CONNECTION SIDES

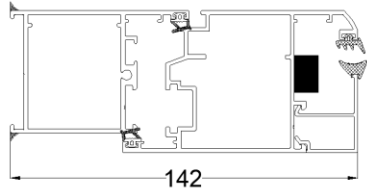


DOOR BOTTOM POSSIBLE COMBINATION

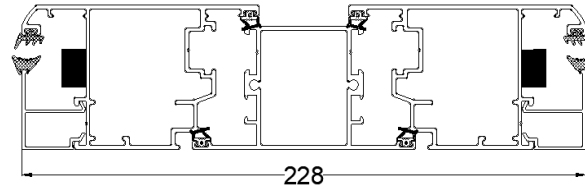
SPECIFICATION

- Maximum Width : 1100mm
- Maximum height: 3000mm
- Minimum glass thickness: 5mm
- Maximum glass thickness: 40mm
- Bug mesh: Pleated Mesh
- Frame Width : 50mm
- Frame Height: 73mm
- Shutter width : 58mm & 50mm
- Shutter Height : 100mm & 96mm
- Hinges : 2D
- Door Stopper and Door Closer

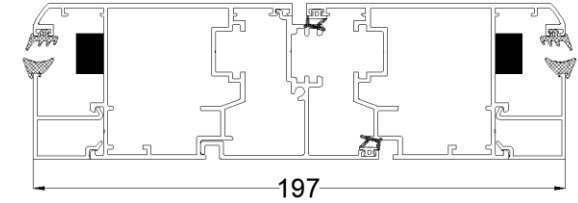
ALU SWING DOOR



VISIBLE WIDTH ALL 3 SIDES



DOUBLE OPENABLE WITH FIXED MULLION



FRENCH WINDOW WITH FLY MULLION

HANDLE OPTIONS



L HANDLE WITH KEY

LIMITATION

MIN DOOR WIDTH	MAX DOOR WIDTH	MIN DOOR HEIGHT	MAX DOOR HEIGHT
700	1100	1800	3000

LIMITATIONS

SERIES NAME	PURPOSE	MIN WINDOW WIDTH	MAX WINDOW WIDTH	MIN WINDOW HEIGHT	MAX WINDOW HEIGHT
Alu Slim 23mm	WINDOW	800	5000	450	1800
Alu Slim+ 27mm	DOOR	1500	5000	1800	3000
Alu Slim360 25mm	DOOR	1500	5000	1800	3600
Alu Swing 50mm	WINDOW	400	800	450	1800
Alu Swing 50mm	DOOR	700	1100	1800	3000
Alu Swing 50mm	FIXED	300	3000	300	3000

HANDLE OPTIONS

SERIES NAME	HANDLE POSSIBILITY
Alu Slim 23mm	METRO HANDLE WITH KEY, METRO HANDLE WITHOUT KEY, FLUSH LOCK, LEVER L HANDLE
Alu Slim+ 27mm	MULTI-POINT FLUSH LOCK (WITH AND WITHOUT KEY), METRO HANDLE WITH KEY, METRO HANDLE WITHOUT KEY
Alu Slim360 25mm	METRO HANLDE WITH KEY, METRO HANDLE WITHOUT KEY
Alu Swing 50mm	LEVER L HANLDE, SINGLE PONIT COCKSPUR HANLDE
Alu Swing 50mm	L HANLDE WITH KEY

THANK YOU...