

YOUR GATEWAY TO A **BETTER VIEW**

HS-TEC-G-042-02



CLS250

COLD LIFT & SLIDE SYSTEM

PRODUCT BROCHURE

CUSTODIAN *Collection*
BY H SYSTEMS

COLD LIFT & SLIDE 250 FEATURES

The CLS250 is a cutting-edge window and door system, offering both sliding and lift-and-slide capabilities. The CLS250 is a Non-insulated European system with beads on the inside and multiple add on tracks. Engineered for superior performance and ease of use, this innovative system promises to set new standards in the industry.

CAPABILITIES

- Offers both sliding and lift-and-slide capabilities.
- Uses fewer profiles since the bottom rail, door stiles, and top rail all share the same profile, as do the jambs, cill, and head rail in the outer frame (except for the hidden threshold, which has a concealed cill profile).
- Features an add-on cill, enabling multiple track configurations.
- Includes a wide range of internal and external stiffening profiles, providing excellent inertia capabilities.
- Integrates with the Baobab system, allowing for sashes and inserts such as a tilt-and-turn sash on the fixed panel of the door.
- Supports multi-slider capabilities, allowing all leaves to move freely in both directions.
- Offers two sash profiles: 74mm and 90mm.
- Features a "Hidden Threshold" for applications requiring no cill profiles on the finished floor detail.
- The CLS250 can support a standard weight of 250kg, and up to 300kg per leaf, with additional hardware.

LOCKING POINTS

SLIDE ONLY DOOR:

- Features single-point locking with a Sobinco lock, operated by a lever handle.
- Features single-point locking with a generic lock. The system includes a 'Generic Lock Adaptor' extrusion, enabling the installation of standard hook locks on the system.
- Features a Sobinco 5-point locking system, operated by a lever handle for enhanced security.

LIFT AND SLIDE DOOR:

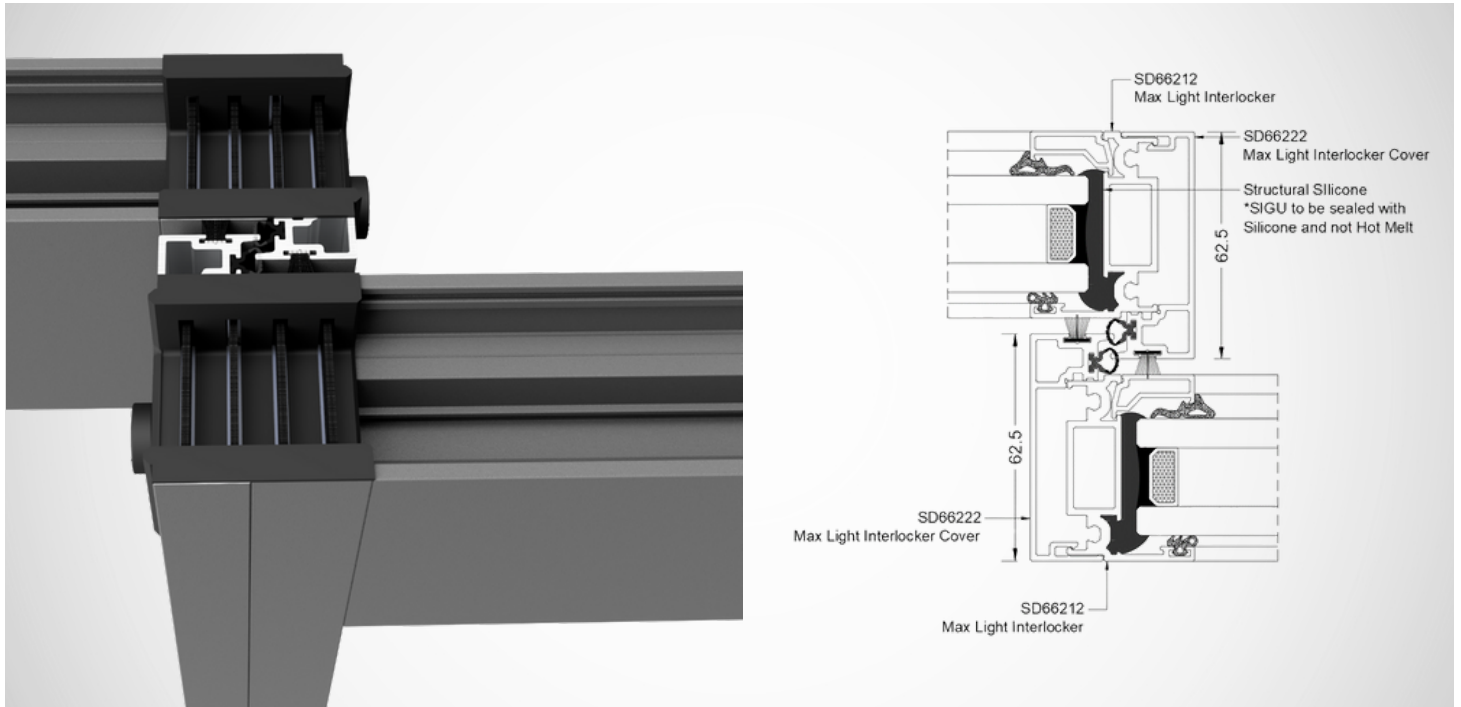
- The lift and slide door comes standard with a 2-point locking mechanism.
- Additional locking points are available, offering the flexibility to upgrade to a 3- or 4-point locking system.

*Due to the extensive variety of locking point combinations, not all options are represented in this brochure. For inquiries, please contact our technical department at **011 748 2660** or email us at **technical@hsystems.co.za**.

COLD LIFT & SLIDE 250 FEATURES

MAX LIGHT INTERLOCKERS

- 40mm interlocks for a minimalistic look.
- Fixed to square cut sash profiles (top and bottom).
- Maximum height @1000Pa = 2,4m with 1m spacing.
- Maximum height @1500Pa = 2,1m with 1m spacing.



GLAZING

- The CLS250 is glazed from the inside, offering enhanced security with internal beads.
- Accommodates single glazing (4mm-14mm) and double glazing (18mm-36mm).

COLOUR OPTIONS

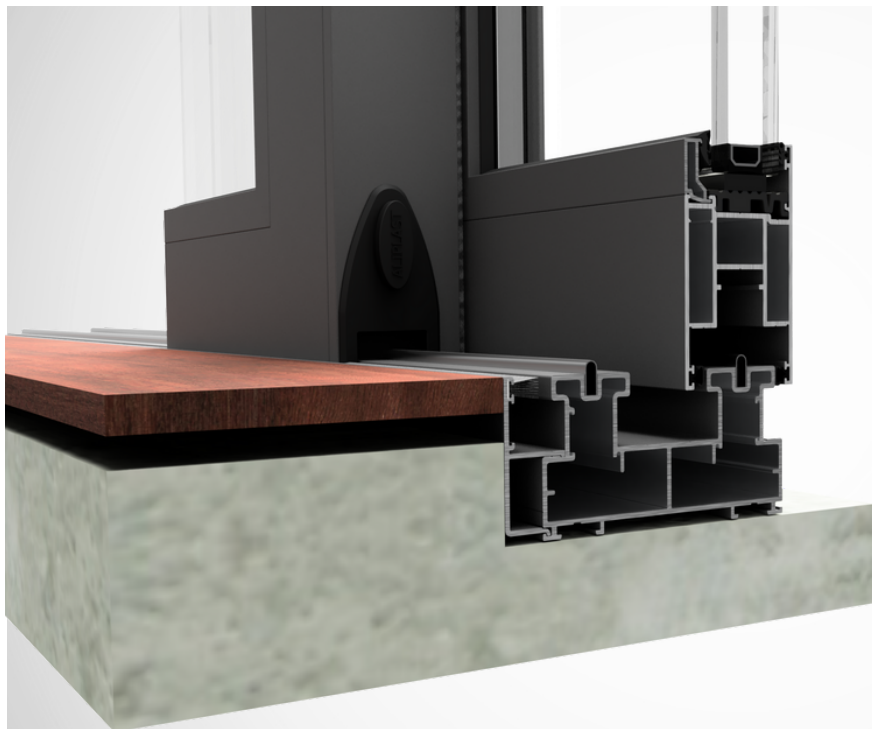
- CLS250 system material is held in mill finish.
- A wide range of custom powder coating options are available, with a minimum lead time of 15 working days. Providing you with endless possibilities to bring your vision to life.

PUNCH TOOLS

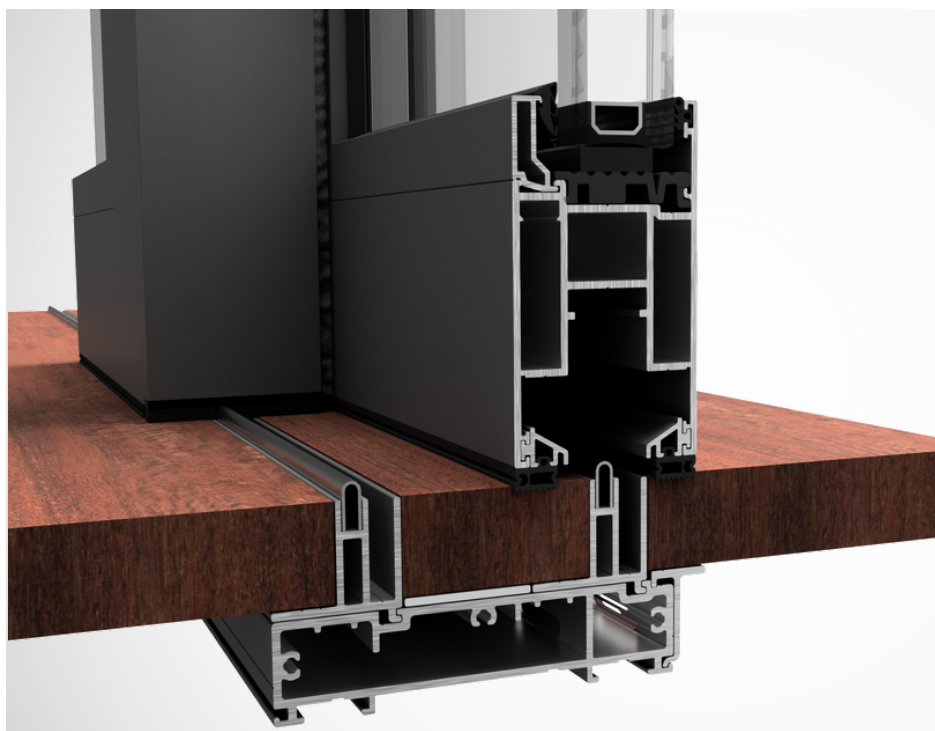
- Optional punch tools are available for purchase, to streamline manufacturing and assembly, enhancing fabricator efficiency.

COLD LIFT & SLIDE 250 CONFIGURATIONS

STANDARD THRESHOLD

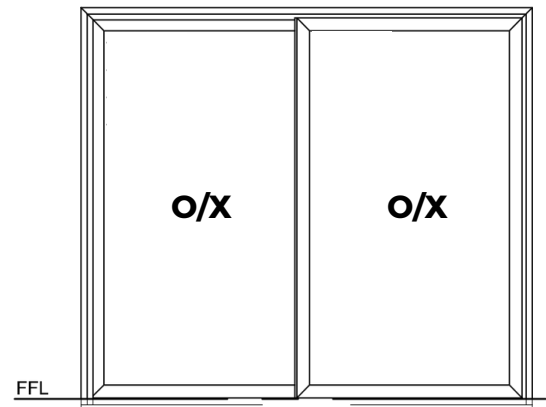
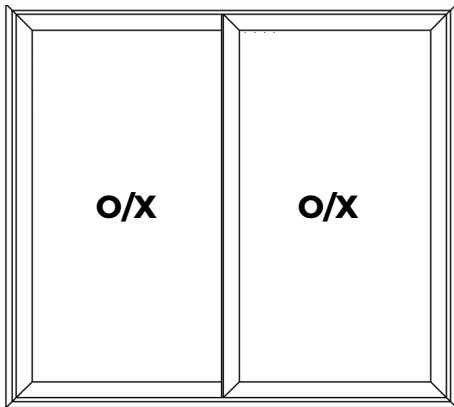


HIDDEN THRESHOLD

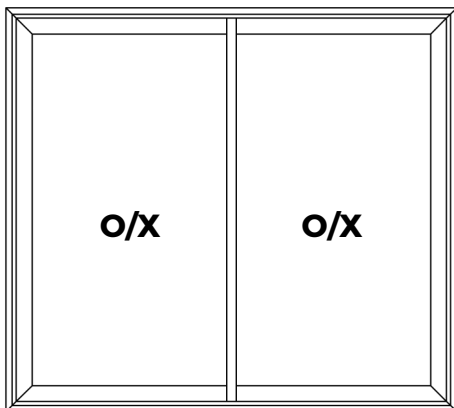


COLD LIFT & SLIDE 250 CONFIGURATIONS

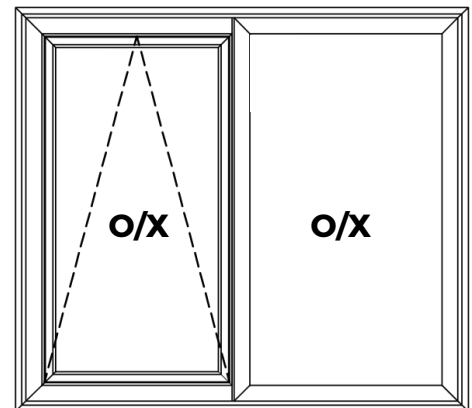
- This configuration typically refers to a multi slider system with two tracks: one for the sliding panel (X) and one for the fixed panel (O), alternatively if it is an XX configuration both panels will slide.
- The "O" represents the fixed panel, and the "X" represents the sliding panel.
- "OX" means the sliding panel is to the left, and "XO" means the sliding panel is to the right.



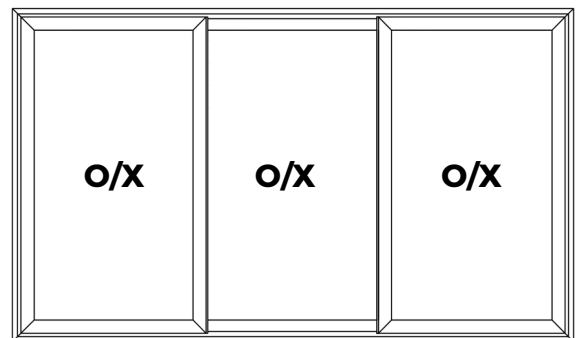
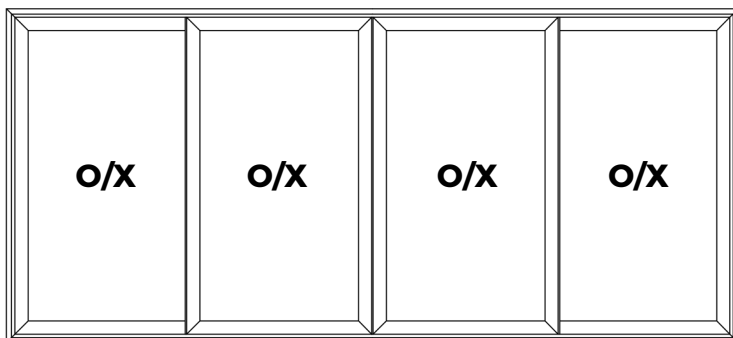
With hidden threshold.



With max light interlockers.



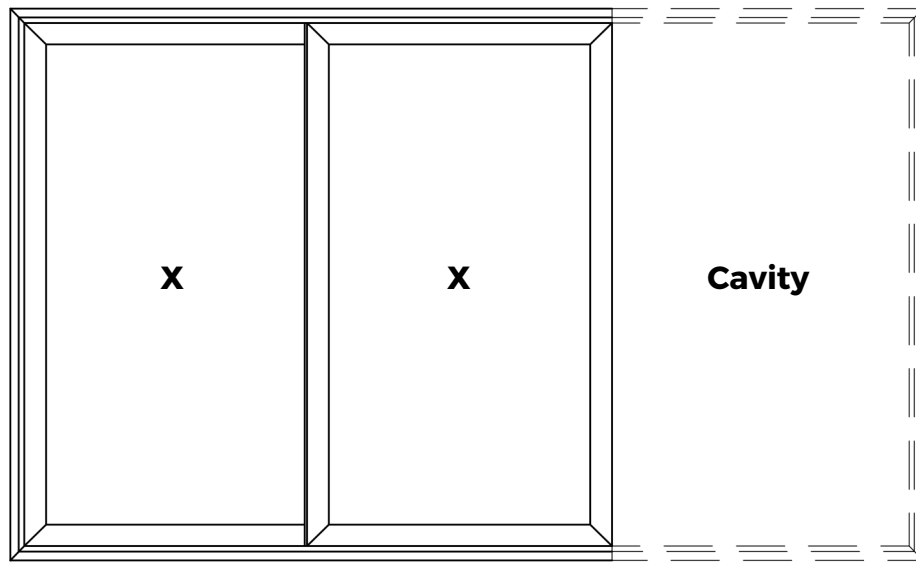
With Baobab inward opening sash.



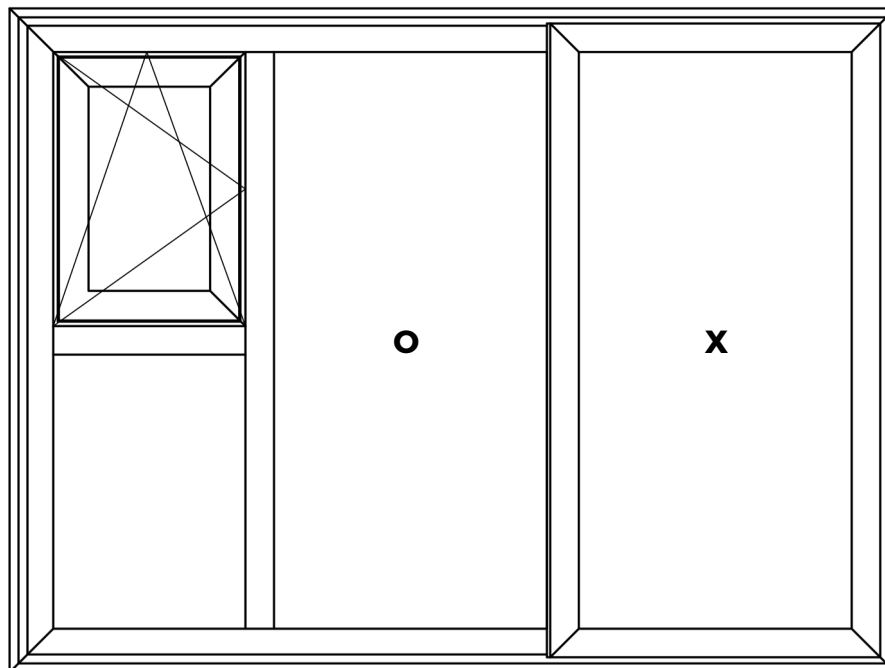
*Configurations are not limited to details shown. For details on additional configurations, please reach out to our technical department: technical@hsystems.co.za.

COLD LIFT & SLIDE 250 CONFIGURATIONS

- This configuration typically refers to a multi slider system with two tracks: one for the sliding panel (X) and one for the fixed panel (O), alternatively if it is an XX configuration both panels will slide.
- The "O" represents the fixed panel, and the "X" represents the sliding panel.
- "OX" means the sliding panel is to the left, and "XO" means the sliding panel is to the right.



XX cavity slider.



OX with Baobab outward opening sash (extended fixed panel).

*Configurations are not limited to details shown. For details on additional configurations, please reach out to our technical department: technical@hsystems.co.za.

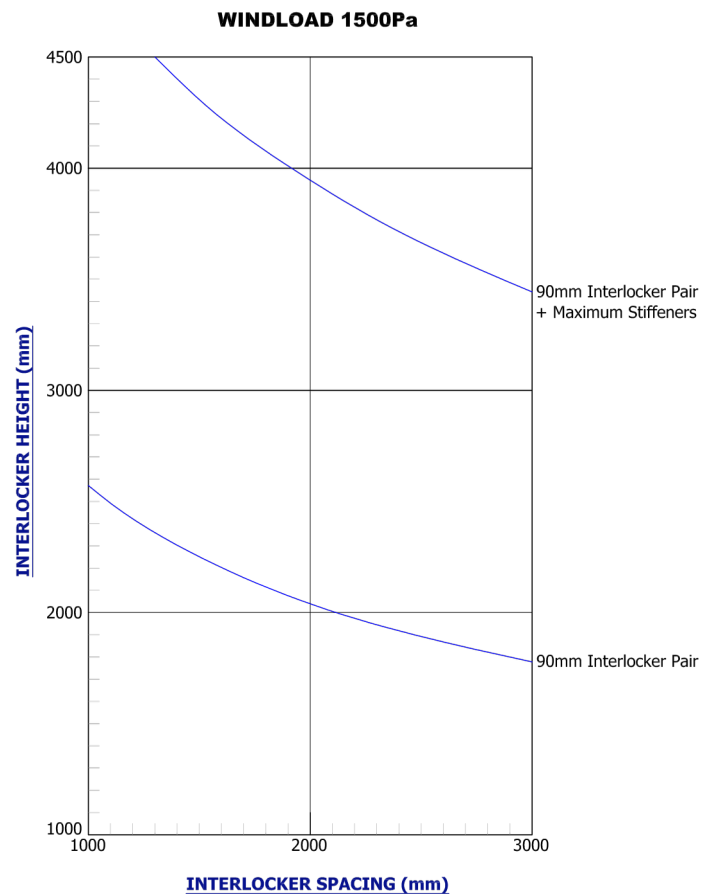
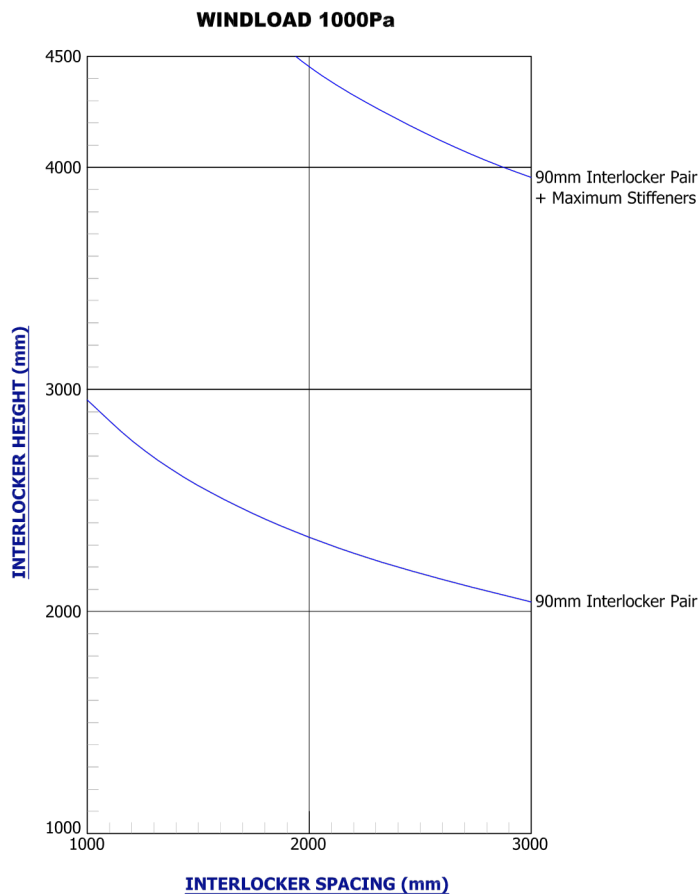
COLD LIFT & SLIDE 250 CHARACTERISTICS

INERTIA VALUES

- The interlocker combinations' inertia values can go up to 599cm⁴.
- The meeting stile combinations' inertia values can go up to 1025cm⁴.

WIND LOAD CHART

- There are various interlocker combinations to meet specific inertia requirements.



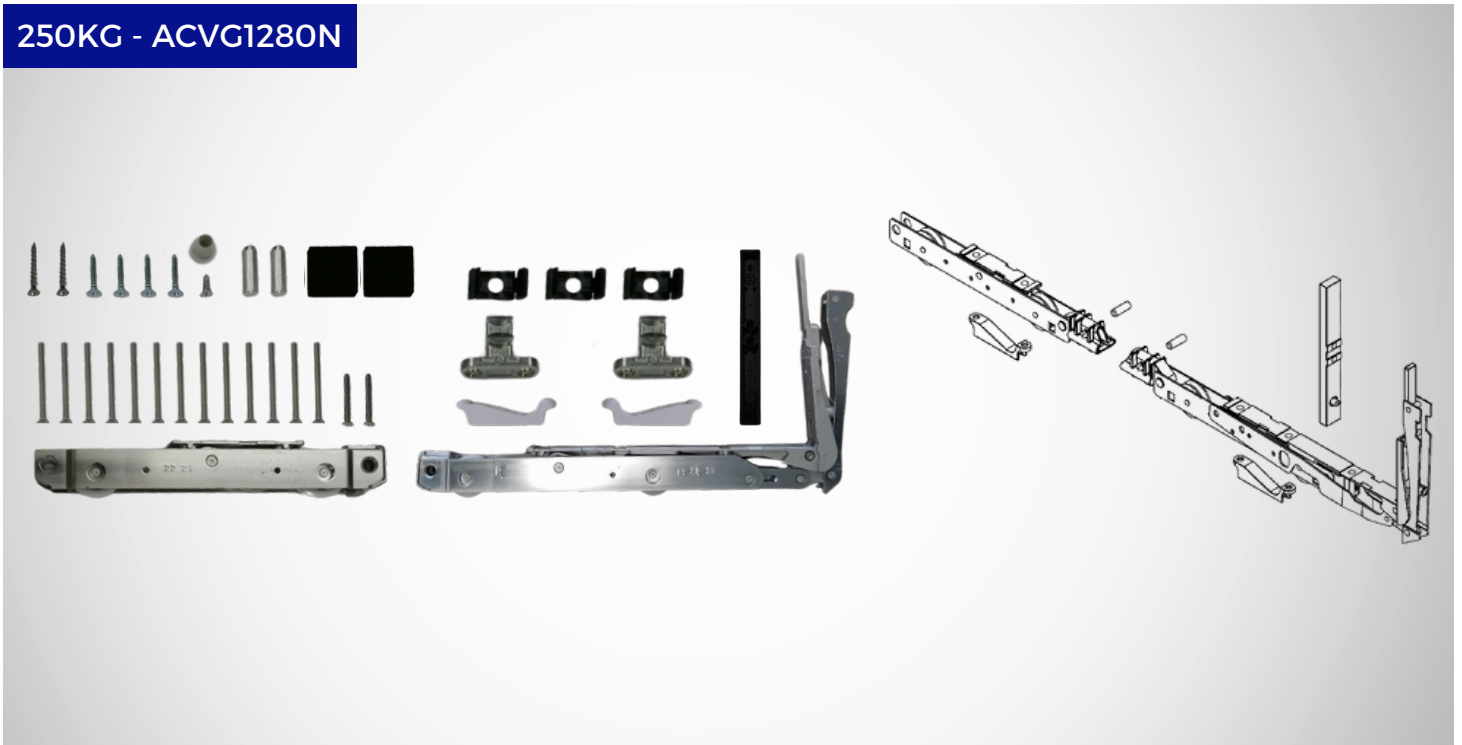
*For details on additional inertia values, please refer to the technical manual or reach out to our technical department: technical@hsystems.co.za.

COLD LIFT & SLIDE 250 CHARACTERISTICS

SASH WEIGHT LIMITATIONS

The CLS250 rollers are designed to accommodate varying load capacities, with the following configurations:

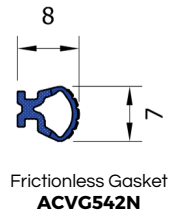
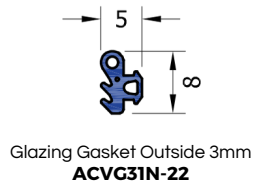
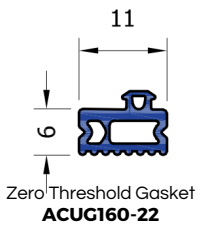
250KG - ACVG1280N



300KG - ACVG1280N + ACVG1274N



GASKETS WALL CHART



*Scale: 1:1 to fit A4.

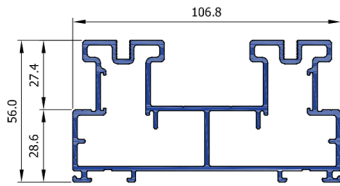
GASKETS



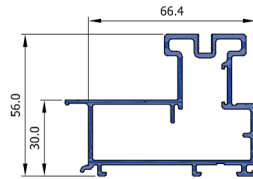
FEATURES & BENEFITS

- The gasket have a silicone coating for easier installation of gasket.
- The bend relief cuts in the ACVG31N-22, ACVG33N-22, ACVG34N-22, and ACVG340N-22 gaskets are designed for seamless installation around curves.
- Co-extrusion gasket, EPDM/Expanded EPDM.
- Raw material: EPDM.
- Pack size: 100m roll.
- Colour: Black.

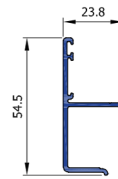
WALL CHART



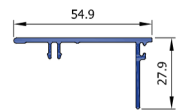
Double Outer Frame
SD66001



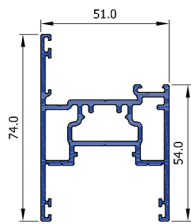
Outer Frame Track Extension
SD66002



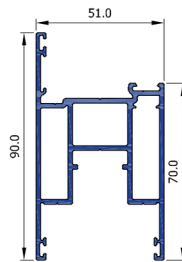
Outer Frame FFL Adaptor
SD66003



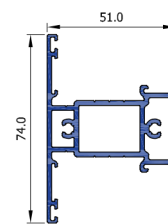
Threshold Cover Flat
SD66004



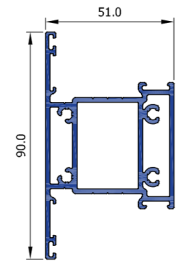
74mm Sash
SD66010



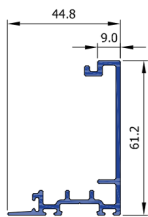
90mm Sash
SD66011



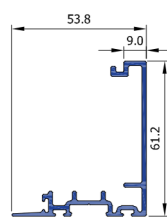
74mm Transom
SD66030



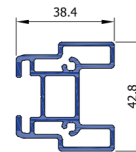
90mm Transom
SD66031



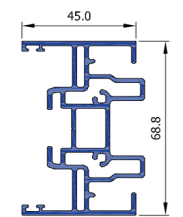
74mm Sash Interlocker
SD66020



90mm Sash Interlocker
SD66021



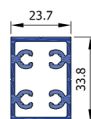
Meeting Stile Adaptor
SD66041



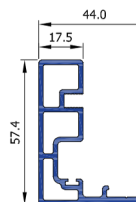
Double Wing Meeting
Stile Adaptor
SD66042



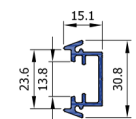
74mm Cross Connector
SD66930



90mm Cross Connector
SD66931



Add On Jamb Adaptor
SD66040



Generic Lock Adaptor
SD66051



4mm Glazing Bead
SD66304



8mm Glazing Bead
SD66308



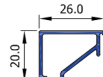
12mm Glazing Bead
SD66312



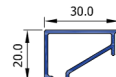
16mm Glazing Bead
SD66316



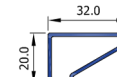
20mm Glazing Bead
SD66320



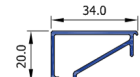
26mm Glazing Bead
SD66326



30mm Glazing Bead
SD66330



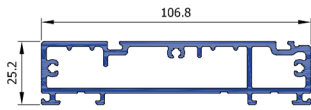
32mm Glazing Bead
SD66332



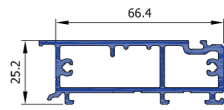
34mm Glazing Bead
SD66334

*Scale: 1:3 to fit A4.

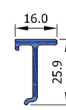
WALL CHART



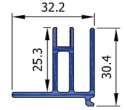
Double Hidden Threshold
SD66101



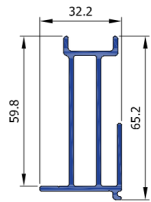
Hidden Threshold Track Extension
SD66102



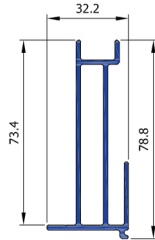
HT Support Adaptor
SD66103



HT Track Adaptor
SD66104



HT 74mm Sash Fixed
Panel Support
SD66105



HT 90mm Sash Fixed
Panel Support
SD66106



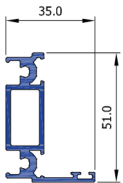
HT Lower Seal Adaptor
SD66107



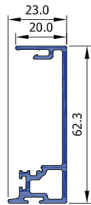
Replaceable Track (Ali)
HDS104



Replaceable Track (INOX)
VG53



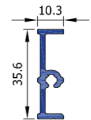
Max Light Interlocker
SD66212



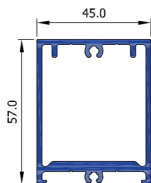
Max Light Interlocker Cover
SD66222



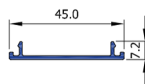
74mm Sash Screwport Adaptor
SD66210



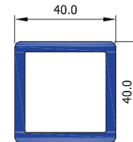
90mm Sash Screwport Adaptor
SD66211



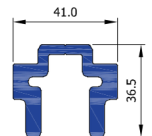
Add On Stiffener
SD66933



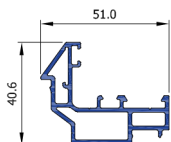
Stiffener Cover
SD66934



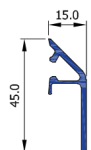
Stiffener Insert
SD66935



Sash Stiffener
SD66932



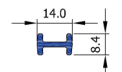
Baobab Insert
SD66050



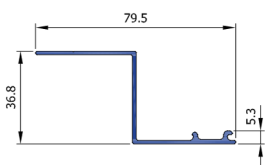
Drip Profile
SD66005



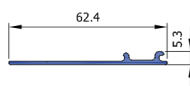
Universal Coupler 17x8.5mm
SD66088



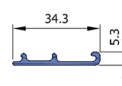
Universal Coupler 14x8.5mm
SD66089



Threshold Fixing Lug
SD66087



Flat Fixing Lug
SD66085



Frame Coupler
SD66086



Interlocker Finishing Cover
UC852



Finishing Profile PVC
VC52

*Scale: 1:3 to fit A4.



OUR SERVICES

CUSTODIAN *Collection*
BY H SYSTEMS

OUR SERVICES



DRAUGHTING

H Systems offers draughting services for medium to large architectural manufacturers. We have a team of draftsmen who can produce technical plans and drawings based on the architect's plans and client specifications. The service is flexible and can be tailored to meet the specific needs of residential and commercial projects. Our service offering includes digitizing existing plans, preparing shop-drawings for architectural approval, compiling documentation, and submitting as-built drawings in a packaged format for clients to review. H Systems aims to become an effective B2B model.



ESTIMATION

Our comprehensive estimating services and software empower our clients to effortlessly generate accurate quotes for their customers and precise cutting lists for their production facilities with a single click. Our sophisticated software is designed to streamline the estimation process, eliminating manual errors and saving valuable time and resources for our valued customers.



RESEARCH & DEVELOPMENT

Our technical department, comprising of highly skilled and experienced professionals, is engaged in ongoing development of innovative systems and technical solutions that are tailored to meet the evolving needs of our valued customers. Our team stays up-to-date with the latest advancements to ensure that we can provide our customers with the most reliable and efficient solutions in the aluminium industry.



CUSTOMER TECHNICAL SUPPORT

At H Systems, we prioritize our customers' satisfaction by providing unwavering support throughout their manufacturing journey. Our dedicated technical support team is committed to delivering exceptional service, offering comprehensive assistance and training to help our customers make informed decisions when selecting the most suitable product or service tailored to their specific needs. Furthermore, our punchtools are carefully crafted to simplify the manufacturing process, ensuring ease of use and increased efficiency, allowing our customers to achieve their production goals seamlessly.

*Contact our Technical Department on **011 748 2660** or **technical@hsystems.co.za** for any assistance or further information on the available service.

OUR SERVICES

Window, door and curtain wall manufacturers plan and produce their products with LogiKal. LogiKal takes the user safely and efficiently through the entire process. It has never been so simple to design, estimate and produce doors, windows and curtain walls of all types and all sizes. LogiKal opens up direct and intuitive paths towards your goal.



ORGADATA

WHY LOGIKAL:

- User friendly interface.
- Personalized one on one training.
- Ongoing database updates.
- Instant help through remote support.
- Smart Measure app.
- Regular on site visits.
- Cloud solutions.
- Integration with external software.
- Information sharing & collaboration.
- Individual digitalized production.

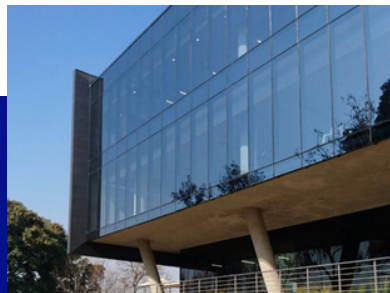
FEATURES:

- Element Input.
- Quotation.
- Shop drawings.
- Fabrication.
- Material optimization.
- Reporting.
- Custom hardware libraries.
- Construction with CAD.
- CNC integration.
- AutoCAD & Revit plugin.



HERITAGE
BY H SYSTEMS

A range of generic systems consisting of various non-insulated doors, windows, fixed panels, fixed and ventilated louvre systems.



CUSTODIAN *Collection*
BY H SYSTEMS

A range of specialized systems exclusive to H Systems consisting of thermally improved double-glazed curtainwall, non-insulated windows, doors, fixed glazing, and cladding systems.



aliplast
ALUMINIUM SYSTEMS

A range of European systems imported from Belgium, comprising of thermally broken and non-insulated doors, windows and fixed panels.

PAINT & FINISHING



H Systems (Pty) Ltd has formed partnerships with different established powder coaters to provide the necessary paint and finishing services to all architectural manufacturers. H Systems and our partners offer tailored powder coating solutions to meet the specific requirements of different projects.

Powder coating architectural aluminium profiles have various benefits, including, but not limited to:

- Solvent free – No V.O.C (Volatile Organic Compounds) emission.
- Low fire hazard risk.
- Waste powder can be recycled.
- Increased durability of finishes on the final product.
- Superior corrosion resistance acting as a barrier to corrosive chemicals and moisture.
- Superior chemical resistance.
- Superior heat resistance and specifically developed for elevated temperatures.
- Superior abrasion and scratch resistance.
- Powders are formulated to withstand high impact.
- Superior quality finish.

Our flexible services mean that we can tailor make a powder coating solution to meet the specific needs of your projects.

Powder Coating specifications available:

- Various finishes (matt, gloss, or satin).
- Various classifications (D1001, D1025, D1036 & D2525).
- Various colours.
- Akzo Nobel or Ferro product categories.

Powder coating has a minimum lead time of 15 working days.

PAINT OPTIONS



Black (BE)



Charcoal (CH)



Bronze (BZE)



White (WE)



Silver (SE)



Mill



Bespoke
Colours

PRODUCT FEATURE



Notes



A series of horizontal lines for writing notes.

Our Footprint



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