

YOUR GATEWAY TO A
BETTER VIEW

HS-TEC-G-044-01



— H SECTIONS

PRODUCT BROCHURE

CUSTODIAN *Collection*
BY H SYSTEMS

H SECTIONS

The H Sections profiles which are compatible with the Heritage Range engineering sections, including aluminium square tubes, equal and unequal angles, and flat bars. These versatile components are ideal for fabricating various applications, such as pergolas, sun shading systems, gates, and flush-glazed features. The adaptability of these profiles offers limitless possibilities for designing and constructing customized structural elements to meet specific project requirements.

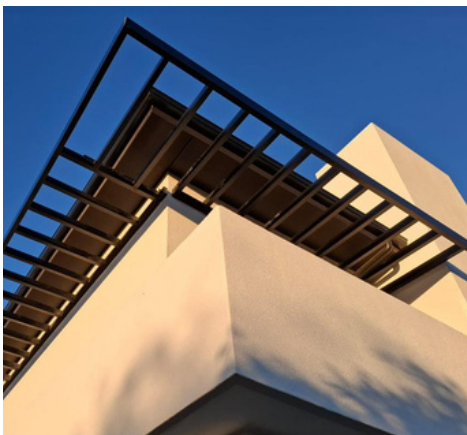
PERGOLA SECTIONS

The H Sections profiles offer versatile solutions for creating functional and stylish pergolas, enhancing outdoor spaces such as gardens, patios, and walkways. These structures provide shade and shelter while elevating the architectural appeal of any setting. The H Sections profiles allow for the construction of pergolas that are both structurally sound and customized to reflect your unique style. Stocked in a mill finish and available for powder-coating in various colours, they accommodate a range of designs from minimalistic to traditional, ensuring the pergola complements any architectural theme and personal preference.

PERGOLA SECTIONS FEATURES

- Aluminium pergolas are a versatile and durable option for enhancing both residential and commercial outdoor spaces.
- Enhance patios, decks, and gardens by providing shaded, comfortable outdoor living areas.
- Pergola designs feature an open roof to balance shade and sunlight.
- Aluminium pergolas are strong yet lightweight, allowing for easy installation and the ability to support various design features.
- Requires minimal maintenance. For more information refer to our general care and maintenance guidelines.
- The H Sections profiles can be powder-coated in any color, providing a customizable aesthetic.

PERGOLA SECTIONS DESIGNS



ALUMINIUM GATE SECTIONS & BOUNDARY WALLS

The H Sections profiles, are also designed to enhance the fabrication of gates and boundary walls.

These H Sections profiles seamlessly integrate with the Heritage Range engineering sections, providing a solid foundation for creating durable and aesthetically pleasing structures. The H Sections profiles offer a strong, reliable framework, while the angles and flat bars allow for intricate designs.

With aluminium's lightweight, robust, and corrosion-resistant properties, the H sections ensure long-lasting performance with minimal upkeep, making them the preferred choice for both residential and commercial projects.

ALUMINIUM GATE SECTIONS & BOUNDARY WALL FEATURES

- Seamlessly integrates with the Heritage Range engineering sections for a perfect fit and easy assembly.
- Lightweight, corrosion-resistant, and built to withstand harsh outdoor conditions.
- The H Sections profiles create a robust framework, with angles and flat bars enabling unique customization.
- Long-lasting performance with minimal upkeep required, ideal for residential and commercial projects.
- Combines structural integrity with design flexibility for functional and visually appealing gates and boundary walls.
- Ideal for various gate styles, from modern to traditional, catering to diverse architectural needs.
- Simplifies the fabrication process, reducing construction time and effort for both gates and boundary walls.
- Aluminium tubes can be powder-coated in any color, providing a customizable aesthetic.

ALUMINIUM GATE SECTIONS & BOUNDARY WALL DESIGNS



*Images are for illustrative purposes only and do not represent our actual projects.

H SECTIONS

FLUSH GLAZED APPEARANCE

Achieve a sleek and modern Flush Glazed appearance with the H Sections profiles, which are fully compatible with the Heritage Range's engineering sections.

The modern Flush Glazed design is realized through the use of glazing techniques, incorporating glazing tape and structural silicone to secure the glass seamlessly. Equal angles act as effective glazing lips, ensuring the glass is firmly held in place. Additionally, the H Sections profiles can be powder-coated in any colour of your choice, offering a customizable aesthetic. The design is not only visually appealing but also engineered for effortless cleaning and maintenance, combining both functionality and style.

FLUSH GLAZED FEATURES

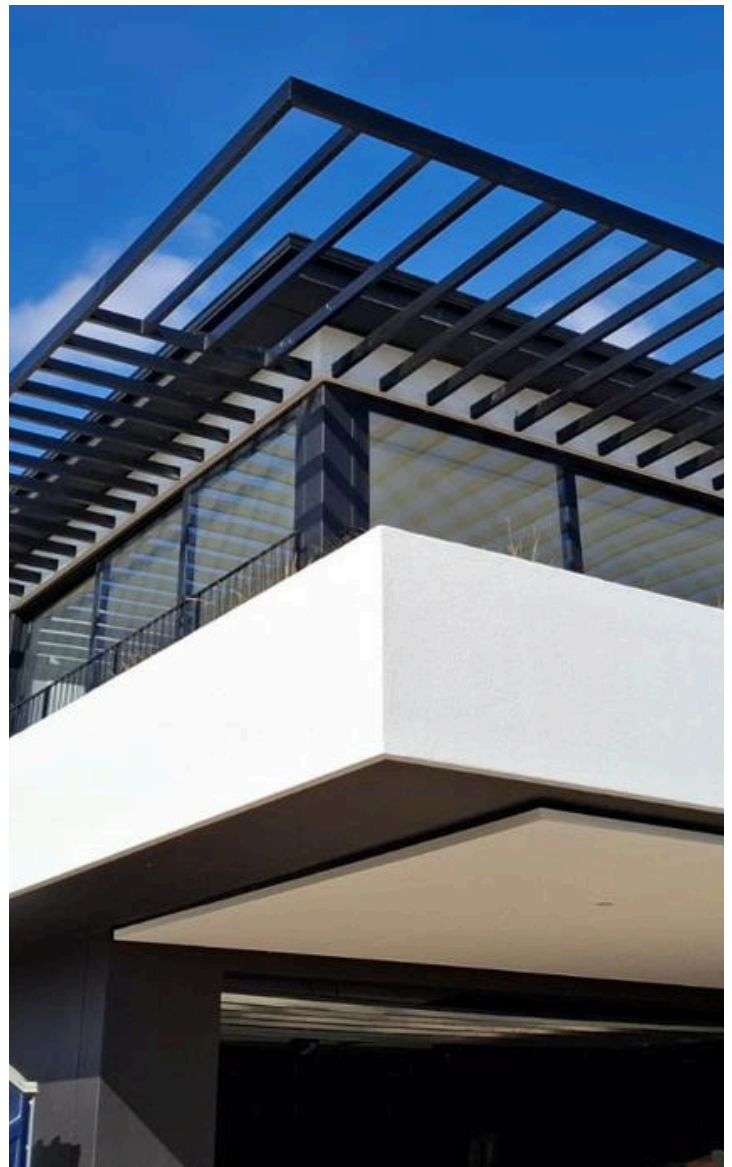
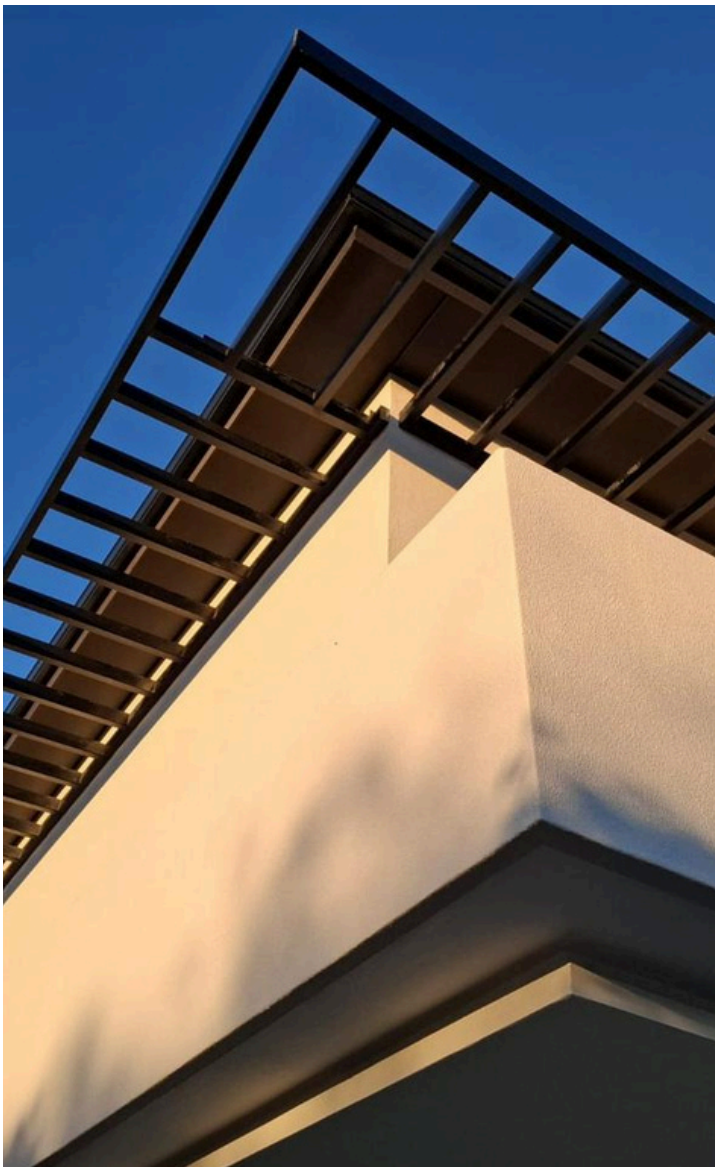
- Achieve a sleek, modern aesthetic with a Flush Glazed appearance that seamlessly integrates glass with minimal framing.
- Features versatile compatibility with Heritage Range engineering sections, ensuring flexibility in design.
- Utilizes advanced glazing techniques with glazing tape and structural silicone, providing a secure and flush finish that enhances both durability and visual appeal.
- Designed with ease of maintenance in mind, facilitating effortless cleaning and upkeep to maintain its pristine look over time.
- The H Sections profiles can be powder-coated in any color, providing a customizable aesthetic.

FLUSH GLAZED DESIGNS

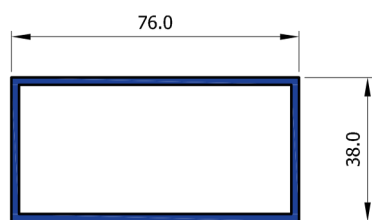


H SECTIONS CHARACTERISTICS

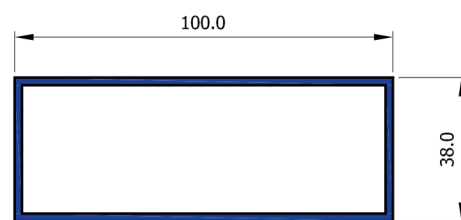
- **High Durability:** The H Sections profiles offer exceptional durability, making them ideal for both structural and decorative applications.
- **Corrosion Resistance:** The inherent corrosion resistance of aluminium ensures longevity and minimal maintenance, even in harsh environments.
- **Customizable:** Available in various sizes and profiles, these aluminium products can be tailored to meet specific design and structural requirements.
- **Lightweight:** Aluminium components are lightweight compared to other metals, which simplifies handling and reduces installation time.
- **Powder Coat:** A wide range of custom powder coating options is available, with a minimum lead time of 15 working days, offering endless possibilities to bring your vision to life.



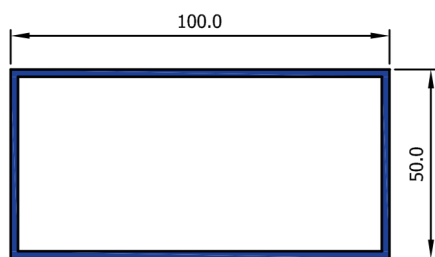
H SECTIONS WALL CHART



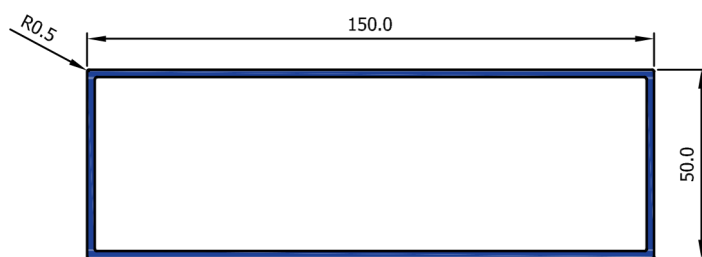
76x38x2 Rectangular Tube
R763820



100x38x2 Rectangular Tube
R1003820



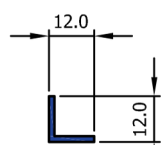
100x50x2 Rectangular Tube
R1005020



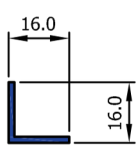
150x50x2 Rectangular Tube
R1505020

HERITAGE ENGINEERING SECTIONS WALL CHART

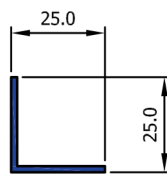
*The Heritage Range engineering sections can be used with the Custodian Collection sections for added versatility and design options.



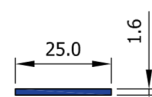
12x12x1.5 Equal Angle
L121215



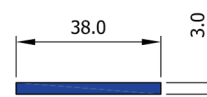
16x16x1.6 Equal Angle
L161616



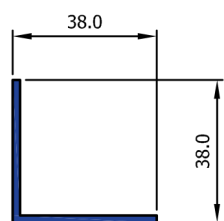
25x25x1.6 Equal Angle
L252516



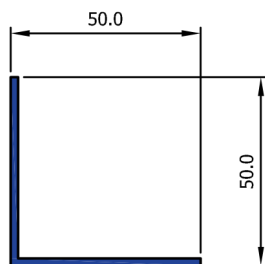
25x1.6 Flat Bar
FL2516



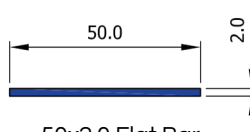
38x3.0 Flat Bar
FL3830



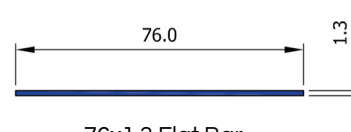
38x38x2 Equal Angle
L383820



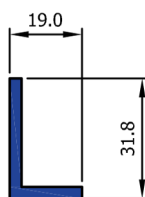
50x50x2 Equal Angle
L505020



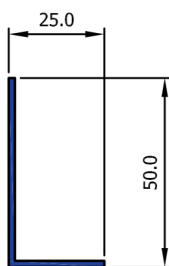
50x2.0 Flat Bar
FL5020



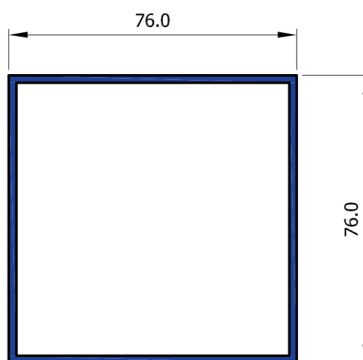
76x1.3 Flat Bar
FL7613



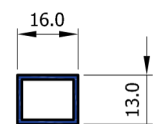
31.75x19x3.1 Unequal Angle
L311930



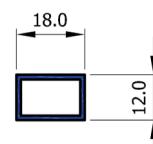
50x25x1.5 Unequal Angle
L502516



76x76x2 Square Tube
SQ767620



16x13x1.2 Rectangular Tube
R161312



18x12x1.2 Rectangular Tube
R181212

*Configurations are not limited to details shown. Scale: 1:2 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

BIZMANTOOLS ESTIMATING SOFTWARE

H Systems (Pty) Ltd has partnered with Bizmantools, in developing user-friendly software which offers our valued customers a digital platform to do the following:

bizmantools



Bizman quoting enables our valued customers, to produce quotes for their customers and cutting lists for their production facilities at the touch of a button! The feature-packed product helps manage quality and profitability whilst ensuring all work produced is NHRBC (National Home Builders Registration Council) compliant.

H Systems has identified our customers' needs with regards to cutting and estimating and encourage all our valued customers to enquire through our Technical Department (technical@hsystems.co.za), how to get Bizman Lite and take their businesses to the next level.



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.

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.



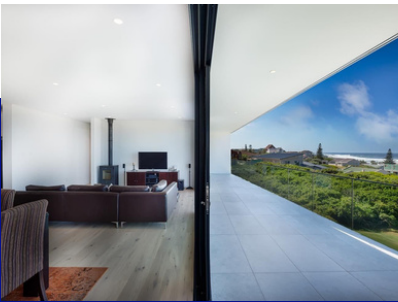
ORGADATA

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.

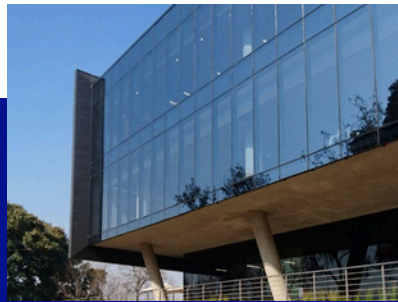
FEATURES:

- 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

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

PRODUCT FEATURE



Our Footprint



Gauteng (Johannesburg)

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Kempton Park, Gauteng, 1619
+27 11 748 2660

Western Cape (Cape Town)

Unit 2, Corner of Buttskop Road & Range Road,
Kwela Park, Blackheath, Cape Town, 7581
+27 21 905 0005

KwaZulu-Natal, EThekweni (Durban)

Unit 11, Vision Business Park, 5 Tottum Rd,
Cornubia, Ethekeeni, 4001
+27 31 569 2275

Mpumalanga, Mbombela (Nelspruit)

Unit 2, Glassfit Building, 8 Stinkhout Crescent,
Nelspruit, Mpumalanga, 1201
+27 13 752 7565

Eastern Cape, Gqeberha (Port Elizabeth)

11 Nicoll Road, Korsten, Gqeberha,
Eastern Cape, 6001
+27 41 451 1642

Technical Department

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Debtors Department

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