

May 2008

HENDERSON GARAGE DOORS



WELCOME HOME TO THE FINEST

GARAGE DOORS

HENDERSON

GARAGE DOORS

WELCOME HOME



Since the foundation of the company in 1921, over three million Henderson garage doors have been fitted in the UK and Ireland, making the name a hallmark for enduring quality.

For the last 87 years, we've been making the highest quality doors at the right price. Today Henderson Garage Doors are produced in County Durham, at one of the most advanced manufacturing sites of its kind in the world, under the strict quality controls of ISO 9001. And we invest in more than just machinery and processes - we believe that people are the key to providing you with a door you will be proud of.

We encourage all employees to become involved in continuous improvement teams to keep enhancing our doors and the value for money they provide.

Henderson doors are available through a network of Henderson retail showrooms (see www.hendersongaragedoors.co.uk for details of your nearest Supercentre). Alternatively, based on your postcode address, we can supply details of local suppliers in your area who will be able to give you free advice, supply and install a new Henderson Garage Door or remote control system and take your old door away.

All Henderson Garage Doors, remote control systems, spares and accessories are covered by a comprehensive guarantee, supported by a network of approved service agents and Henderson trained customer service engineers.

This brochure has been designed to help guide you through the different types of garage doors and options available.





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GARAGE DOORS

EXPLAINED



A new garage door is an investment that will last for many years and could account for up to 20% of the front of your home. At first glance, the range of choices can appear confusing with so many styles, different types of operation, finishes and options. Your local Henderson supplier will be able to answer any questions you may have, and the most common areas are covered below.

THE RIGHT SIZE OF DOOR FOR YOUR GARAGE

There is a Henderson door to suit almost all domestic garage openings from 6ft to 16ft wide and 6ft to 10ft high, with a wide range of standard sizes as well as made to measure options. Your local Henderson supplier will measure and recommend the right size of door for you, and a brief explanation of door sizing is given on pages 26 and 27.

THE DIFFERENT TYPES OF DOOR

Three types of Henderson garage doors are available - up and over, roller and sectional. You may already have decided which type is best suited to your home. One-piece up and over doors are traditionally the most popular type of door, offering excellent value for money and a choice of steel, Glass Reinforced Polyester (GRP)

or natural timber construction. Roller and sectional garage doors are both growing in popularity because they open and close without the arc of travel of a one-piece door. This is ideal for a house with a short driveway or garage, as it allows you to park right up to the door itself. Sectional and insulated roller doors also offer the benefit of added insulation, particularly useful if there is a room above the garage.



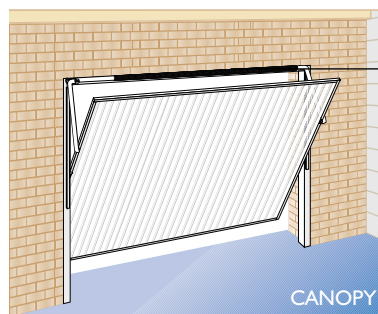
THE DIFFERENT TYPES OF LIFTING GEAR AND HOW THEY WORK

For Henderson up and over doors, there are three types of lifting gear available - canopy, tracked and Optimizer. The names give a clue as to how each works.

Canopy lifting gear leaves around one third of the door protruding from the front of the garage when the door is open (forming a canopy). This has traditionally been the most popular type of lifting gear in the UK and Ireland as it can be installed quickly, with all fixings made only on the frame.

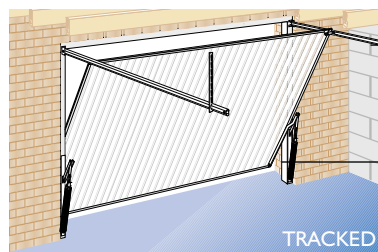
Tracked lifting gear, which uses horizontal tracks to support the door in the open position, has the ideal opening mechanics for remote control electric operation and is the standard lifting gear for double sized doors. Typically, tracked gear takes slightly longer to install than canopy gear as the tracks must be secured to a suitable wall or ceiling joist inside the garage.

Optimizer lifting gear fits entirely to the door frame for speedy installation and incorporates tracks on the door itself (so there is no need to support the horizontal tracks in the garage). This unique lifting gear is ideally suited to remote control electric operation.



A spring above the door provides the tension needed to help the door to open and close.

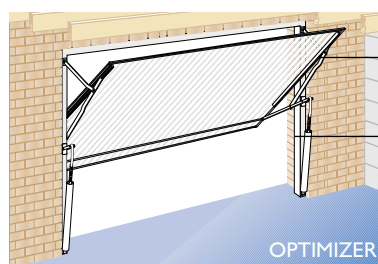
CANOPY



The door opens into the garage along horizontal tracks.

Side springs help the door to open and close smoothly.

TRACKED



The tracks are fitted to the side of the door.

Side springs help the door to open and close smoothly.

OPTIMIZER



OTHER OPTIONS AVAILABLE

On pages 14 and 15, you can see the options and accessories available for up and over doors, including metal frames, vision windows and ventilation.

REMOTE CONTROLLED ELECTRIC OPERATION

If you've ever had to open your garage door on a cold, wet, windy day, you can probably imagine the convenience and luxury a remote control system could bring to your life. All

Henderson garage doors are available with remote control so you can open your garage at the push of a button, from the comfort of your car. The door will open automatically, a light will come on in the garage to welcome you home and you can close the door behind you before leaving the safety of your car. Remote control adds perceived value to your home and you will be pleasantly surprised by how affordable it is. Once you've experienced a Henderson remote control system, you'll never want to be without one again.



HENDERSON

GARAGE DOORS

PREMIERE STEEL

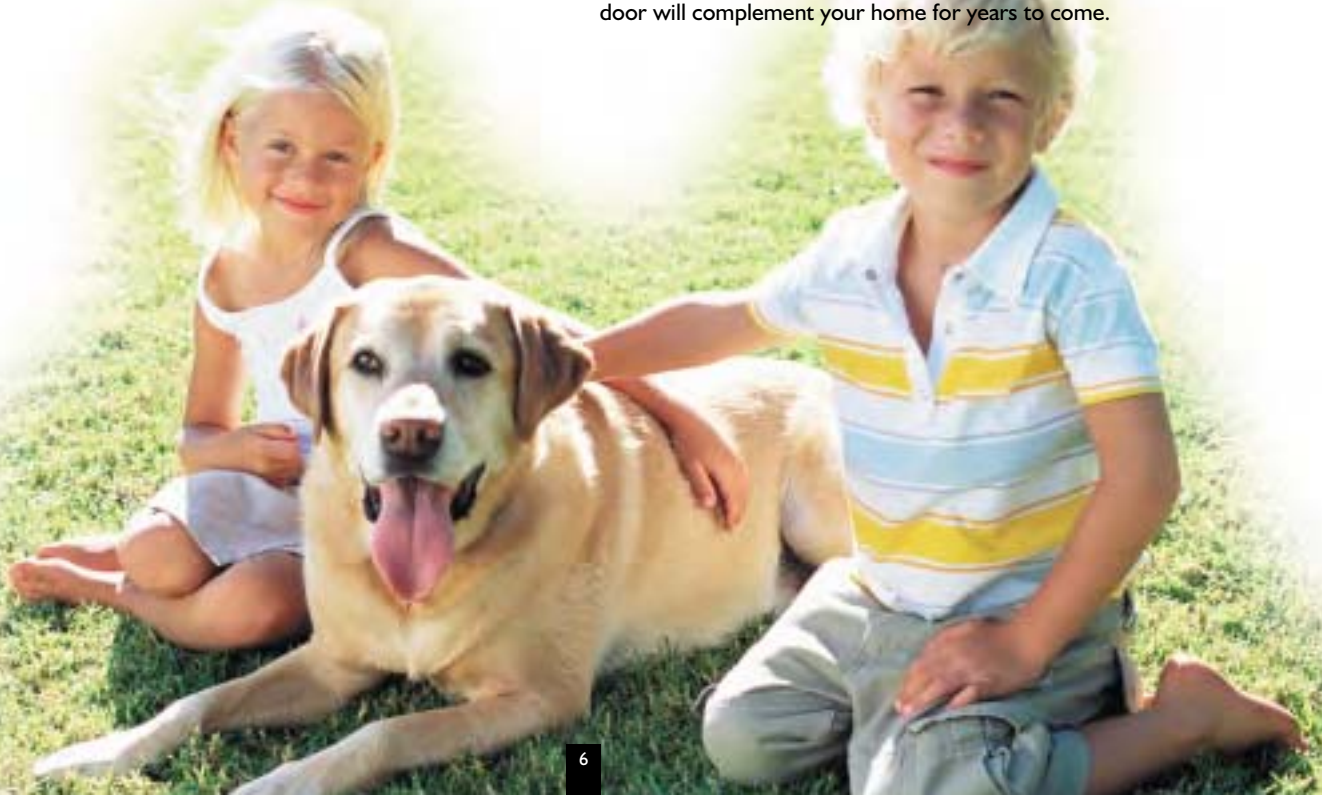
UP AND OVER GARAGE DOORS



Henderson Premiere garage doors are the benchmark for quality, strength and style. The door structure and crisp design are the result of one of the most advanced manufacturing processes of its kind in the world. Take a look through the fifteen designs, including Georgian panelled, traditional horizontal ribbed, vertical ribbed and chevron styles to see the attention to detail in the styling and structure of each door.

Premiere doors are constructed from galvanised steel to give a high degree of resistance against corrosion. A five stage pre-treatment process is completed with a baked on polyester powder coat paint finish, both inside and out. Selected styles are also available in Platisol and laminate finishes.

Whichever design you choose, a Henderson Premiere steel door will complement your home for years to come.





CORINTHIAN



MINSTER



MERLIN



REGENT

FEATURES



A Five stage pre-treatment process and baked-on powder paint finish give excellent weather durability. Selected styles are also available in textured Plastisol and laminate wood-effect finishes.



The unique Henderson locking system automatically clamps the door to the frame like a car seat belt. The latch keep becomes encapsulated when locked for extra security.



Premiere steel garage doors are supplied with a ten year guarantee on the exterior finish

COLOURS & FINISHES

Powder coat paint finishes



Primed White



Fully finished White



Fully finished Oxford Blue



Fully finished Balmoral Green



Fully finished Ebony Black



Fully finished Monarch Red



Fully finished Conker Brown



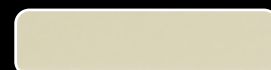
Fully finished Chocolate Brown



Fully finished Golden Sand



Fully finished Metallic Grey



Fully finished Mushroom Grey

Laminate wood-effect finishes

Merlin, Regent, Warkworth, Lumley & Bamburgh only.



Fully finished Oak



Fully finished Dark Oak



Fully finished Rosewood

Textured Plastisol finishes

Merlin, Regent, York, Rochester, Stirling, Arundel, Lumley, Bamburgh and Warkworth only.



Fully finished White



Fully finished Black



Fully finished Mahogany

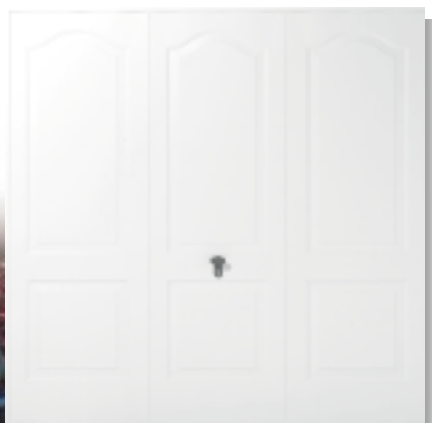
Due to the limitations of the printing process colours shown are for guidance only.

HENDERSON

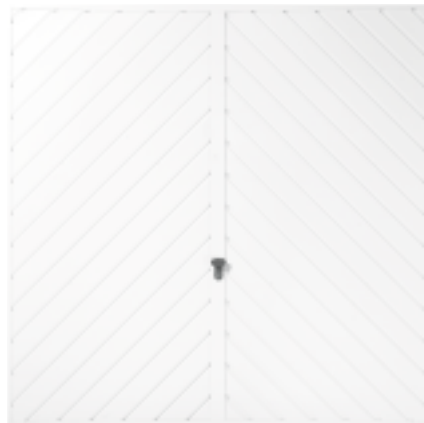
GARAGE DOORS

PREMIERE STEEL

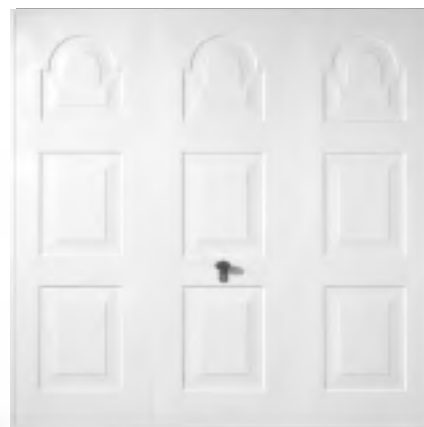
UP AND OVER GARAGE DOORS



*STIRLING



REGENT CHEVRON



VICTORIA



***YORK**



LUMLEY



BAMBURGH



WARKWORTH



DORIC



***ROCHESTER**

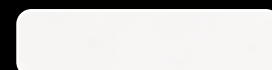


***ARUNDEL**

FOR
**OPTIONAL
EXTRAS**
SEE PAGES 14-15

COLOURS & FINISHES

Powder coat paint finishes



Primed White



Fully finished White



Fully finished Oxford Blue



Fully finished Balmoral Green



Fully finished Ebony Black



Fully finished Monarch Red



Fully finished Conker Brown



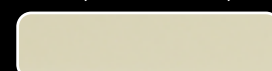
Fully finished Chocolate Brown



Fully finished Golden Sand



Fully finished Metallic Grey



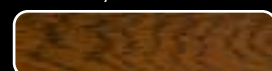
Fully finished Mushroom Grey

Laminate wood-effect finishes

Merlin, Regent, Warkworth, Lumley
& Bamburgh only.



Fully finished Oak



Fully finished Dark Oak



Fully finished Rosewood

Textured Plastisol finishes

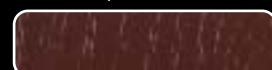
Merlin, Regent, York, Rochester, Stirling,
Arundel, Lumley, Bamburgh and
Warkworth only.



Fully finished White



Fully finished Black



Fully finished Mahogany

** These doors are not available in Oxford Blue,
Balmoral Green or Monarch Red*

*Due to the limitations of the printing process
colours shown are for guidance only.*

HENDERSON GARAGE DOORS

TIMBER

UP AND OVER GARAGE DOORS



Handcrafted, using solid cedar and marine ply sourced only from replenishable sources, Henderson timber garage doors allow you to enjoy the luxury of wood without harming the environment. All doors are treated with a microporous water repellent sealant for durability.

Beneath the beauty of real wood, Henderson timber doors have the strength of steel. Every model is built on a box section steel chassis and has added bracing to the back of the door, providing a perfect blend of strength and style.



BERKELEY



GLOUCESTER

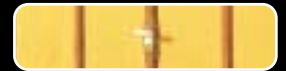


BERGEN

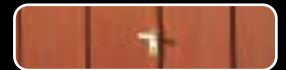


MONARCH

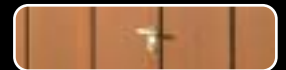
COLOURS & FINISHES



Unstained



Mahogany



Dark Oak

All Timber doors are available unstained (with the exception of the Monarch which is supplied with a Mahogany woodstain as standard). However, if the thought of hand staining a timber door fills you with dread, why not order a pre-finished door from the Henderson range? The Brandon, Balmoral, Warwick, Lincoln, Gloucester, Buckingham and Berkeley styles are all available in a factory applied woodstain finish, with a choice of Mahogany or Dark Oak colour.



BRANDON



BALMORAL



BERGEN DIAGONAL



BERGEN CHEVRON



BEVERSTONE



BUCKINGHAM



LINCOLN



WARWICK

Due to the limitations of the printing process colours shown are for guidance only.

HENDERSON GARAGE DOORS

GRP

UP AND OVER GARAGE DOORS



If you like the beauty of natural timber, but don't want the maintenance that timber can require, a Henderson Glass Reinforced Polyester (GRP) door could be the answer. Every door is produced from the mould and the quality of finish reflects the years of experience in the Henderson GRP door

workshop. You can choose from beautiful smooth gloss designs or doors which re-create the finest timber detail

Henderson GRP doors do not need repainting and the occasional wash is all that is required to keep the door looking like new.

FEATURES



Each door is individually hand-crafted and designed to be virtually maintenance free. Just a simple wash, once in a while, will maintain its attractive appearance.



Almost indistinguishable from timber. The beauty of fibreglass.



A high quality of construction is achieved by using the finest gelcoats and fibreglass matting, and incorporating inbuilt timber and steel reinforcement.



CAVERSHAM



CONSORT (Gloss White only)



ABBAY



ASHTON



CUMBERLAND



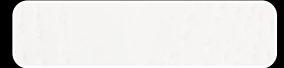
SOLSTICE
(Gloss White only with Black mock glazing)



PRESIDENT (Gloss White only)

FOR
**OPTIONAL
EXTRAS**
SEE PAGES 14-15

COLOURS & FINISHES



Matt White
All timber effect doors



Mahogany
All timber effect doors



Light Oak
All timber effect doors



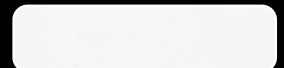
Mid Oak
All timber effect doors



Dark Oak
All timber effect doors



Burnt Oak
All timber effect doors



Gloss White
Consort, Solstice, President only



Beige
All timber effect doors



Rosewood
All timber effect doors

All timber effect doors (Abbey, Ashton, Caversham and Cumberland) are available in a choice of eight hand-stained timber effect finishes. The Consort, Solstice and President designs are supplied in smooth Gloss White.

The door operating gear determines the position of the handle. On doors with canopy gear, the handle is approximately one-third down from the top of the door. On doors with tracked and Optimizer gear, the handle is approximately one-third up from the bottom of the door, as shown.

HENDERSON GARAGE DOORS

OPTIONAL EXTRAS FOR UP AND OVER DOORS

When you have chosen a door from our up and over door ranges, take a look at the optional extras available. A metal door frame can be a high quality replacement for an old timber frame, giving extra strength and requiring little maintenance. Vision windows are available to maximise the amount of natural daylight in your garage and extra ventilation can allow air to circulate. Or for a touch of luxury, why not add a remote control system to your door.



REMOTE CONTROLLED ELECTRIC OPERATION

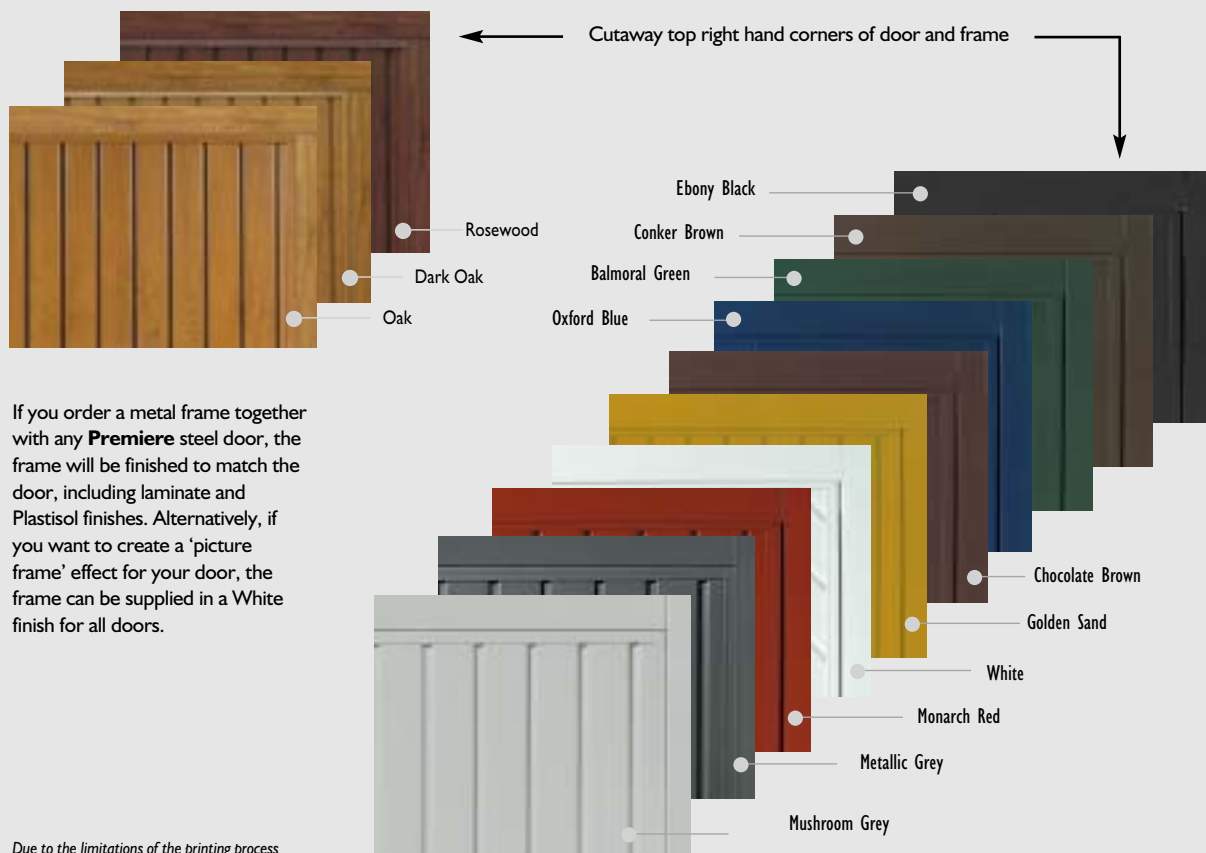
Remote control is the most requested optional extra for Henderson garage doors.



For more information, request a copy of the 'Remote Control for Garage Doors' brochure on 0191 377 0701 and choose option 2 or download it from our website at www.pchenderson.com

METAL FRAME

Metal frames are available with Premiere steel, timber and GRP doors as a strong and low maintenance alternative to timber. For the colour of frame supplied with steel doors, see below. When supplied with a White GRP door, the frame is powder paint finished in White and when supplied with a timber or timber coloured GRP door, the frame is powder paint finished in Conker Brown. For full details on colours and finishes refer to the specific product page or the current Henderson price list.



If you order a metal frame together with any **Premiere** steel door, the frame will be finished to match the door, including laminate and Plastisol finishes. Alternatively, if you want to create a 'picture frame' effect for your door, the frame can be supplied in a White finish for all doors.

Due to the limitations of the printing process colours shown are for guidance only.

VISION WINDOWS

Selected styles of Premiere Steel and GRP doors are available with factory fitted windows to help you to maximise the amount of natural light in the garage. The glazing design ensures you retain your privacy.

PREMIERE STEEL DOORS

Available on Corinthian, Minster, Doric and Victoria styles (Corinthian / Doric shown).



GRP DOORS

Available on Consort, Caversham and Ashton styles (Consort shown).



LOUVRED VENTILATION

If you require additional ventilation to your garage, the Regent, Corinthian, Minster, Doric and Victoria styles of Premiere steel doors can be factory fitted with louvres (top or bottom, please state when ordering.)



FOR
REMOTE CONTROL
SEE PAGES 16-17

HENDERSON
GARAGE DOORS

REMOTE CONTROL SYSTEMS

A TOUCH OF LUXURY



On a cold, wet, windy day, one of the last things you want to do is get out of your car to open the garage door. The convenient, luxurious alternative is to come home to an automatic garage door, operated by remote control from the comfort of the car. It's a touch of luxury that Henderson can provide.

The expertise that has made Henderson the UK's number one manufacturer of garage doors has produced a range of remote control systems which are uniquely quiet, technologically advanced yet simple to use and which will add a touch of luxury and value to your home.

And installation couldn't be simpler. The flexibility of the Henderson system means an electric operator can be fitted with even the smallest of clearances between the door and the ceiling and secured in virtually any position, using existing ceiling supports.

What's more, there's a Henderson system to suit virtually every type and make of garage door, new or old.

Once your home has a Henderson remote control system fitted, you'll never want to be without one again.



Microprocessor control monitors the door movement. If an obstruction is encountered when opening, the door stops. If obstructed when closing, the door automatically stops and, for safety, reverses by 500mm.

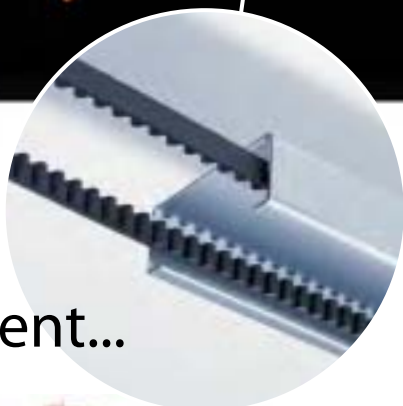


To welcome you into the garage, a courtesy light comes on automatically when the door is opened and switches off automatically after three minutes.

A DESIGN REVOLUTION

The door glides along a strong steel-wire-reinforced PU belt giving smooth, virtually maintenance-free travel throughout the opening and closing cycle.

Strong
and silent...



Every Henderson remote control system carries its own unique 'rolling' security code which changes each time the system is used for complete security.



Two stylish mini hand transmitters are supplied. Each with four buttons (which means each can operate more than just one garage door system and can be linked to other automatic systems, such as gates). Each transmitter has a typical range of 50 metres.



A wall mounted push button and 10m of cable are supplied to enable the door to be opened or closed from inside the garage without a transmitter. *(excluding Ultra S)*



An emergency release mechanism is supplied as standard. This allows simple manual operation of the door from inside the garage in the event of a power failure.



Automatic memorising of the time taken to open and close the door ensures a gentle start and gentle stop to the opening and closing movement.



An in-built auto closing facility means the operator can be set to close automatically. The time can be reset to the beginning by pressing the remote control or wall mounted push button.



The operator can also be set to 'partial open' in the event you wish to ventilate your garage (for example, when you use a tumble dryer).



A full LED control panel gives simple instructions and a diagnostic guide.



...and safe for
all the family



HENDERSON

GARAGE DOORS

ROLLER

GARAGE DOORS



Henderson roller doors are the ideal solution for homes where space on the driveway is at a premium or where the entrance into the garage is narrow. The door curtain rolls up around a drum, with no outswing or arc of travel as it opens and closes, allowing you to park right up to the door. In-built 'Polyglide' running strips provide a smooth door operation whilst full height steel guides, a reinforced aluminium bottom rail and full width dual locking bars offer extra security. There's no need for a timber frame and, as the door is installed behind the brickwork opening, it's ideal for arched garages.

All Henderson roller doors have a tough and durable finish. Choose from either a Plastisol finish available in ten colours or choose a laminate finish available in three superb colours. Once installed, your door will not need to be painted - the occasional wash will keep it looking like new.

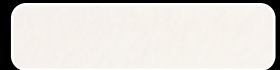
For an added touch of luxury, Henderson roller doors can be supplied with remote control electric operation to allow you to open your door from the comfort and safety of your car. All you need to do is tell us which side of the door (viewed from inside the garage) is nearest to a power supply and we will fit the motor as we build the door.

Remote controlled roller doors are supplied with two mini-hand transmitters as standard. With a 'rolling code' transmission, the security code moves onto a new code within a choice of two billion options, making the code virtually impossible to copy.

An in-built obstruction sensor and safety reverse ensures that trapped objects are sensed as the door closes and it reverses to allow the object to free itself. With an in-built automatic light to welcome you home and even an auto-close facility for the forgetful, an automatic roller door could add a touch of luxury to your life.

COLOURS & FINISHES

HP200* Plastisol finishes



Fully finished White



Fully finished Mahogany



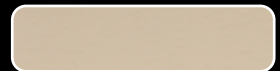
Fully finished Burgundy Red



Fully finished British Racing Green



Fully finished Van Dyke Brown



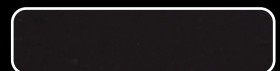
Fully finished Mushroom



Fully finished Terracotta



Fully finished Night Blue



Fully finished Black



Fully finished Golden Oak

Laminate wood-effect



Fully finished Oak



Fully finished Dark Oak



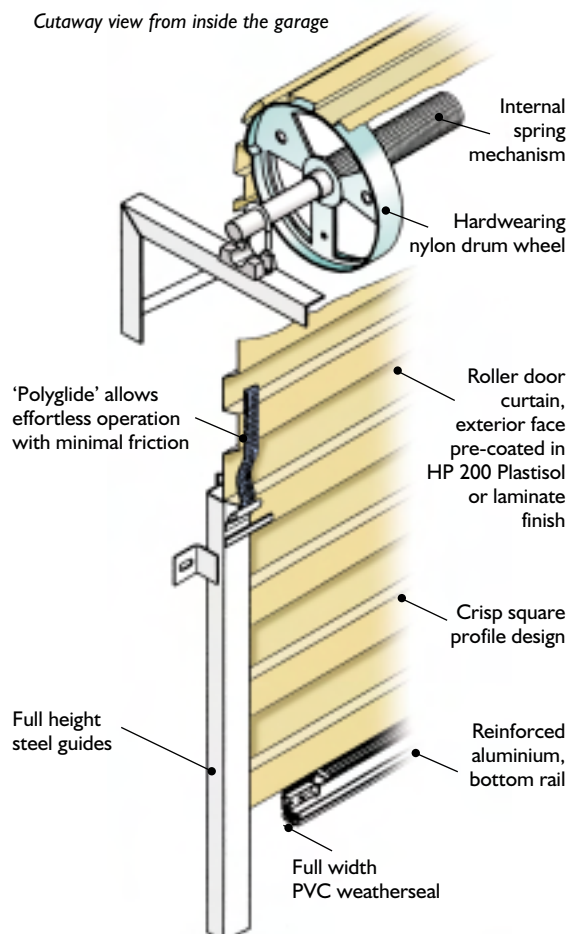
Fully finished Rosewood



DOOR CONSTRUCTION

Henderson roller doors feature a crisp square ribbed design. Polyglide running strips, nylon drum wheels and springs inside the drum ensure smooth opening and closing and a door which is light to lift by hand.

Cutaway view from inside the garage



Roller doors are available in a Plastisol finish in a choice of colours or a laminate finish in Oak, Dark Oak or Rosewood. The exterior face of Plastisol and laminated doors is guaranteed for a period of ten years. Roller doors are not available in Primed White.

*HP200 Plastisol is a registered trademark of Corus Plc.

HENDERSON

GARAGE DOORS

INSULATED

ROLLER GARAGE DOORS

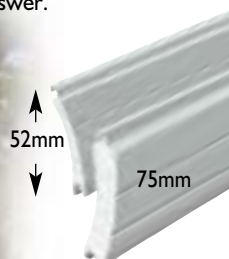


A Henderson insulated roller door can turn a cold, draughty garage into a more usable space. Whether your garage is integral to your home and you're looking for more insulation or you're looking to make better use of your driveway and more space inside the garage, this door could be the answer.

Constructed from 75mm high foam insulated slats, insulated roller doors open vertically with no 'kick out'. This makes it ideal for a property with a short driveway as you can park right up to the door. As the door 'rolls' up around a drum, you also gain more space within the garage.



For garages with restricted sideroom and headroom, the Henderson Compact insulated roller door, featuring a smaller 52mm high slat is the answer.



The luxury of remote control

All insulated roller doors are supplied with a remote control operator as standard. With rolling code security, copying is virtually impossible, helping to protect your property and possessions from intruders.



Every Henderson Insulated Roller door is manufactured to a high specification to provide you with an attractive door that is

SAFE AND SECURE

Auto Locks: When closed, auto locks positioned along the door width hold the door curtain securely closed.

Integrated Alarm*: Integrated with the remote control system and SafeStop Protection System is a powerful 95db alarm. The alarm is activated if any attempt is made to force the door open.

SafeStop Protection System*: For ultimate safety, the SafeStop Protection System uses microswitch technology to detect any obstructions to the door closing cycle.



Auto locks



95db alarm



SafeStop Protection System



FEATURES & BENEFITS



Insulated Roller doors are available in a choice of standard colour finishes or three superb laminate finishes. Guides and box covers are supplied in brown or white as standard with the option to colour match them to the door finish (selected colours and styles only).

- Half and full box covers are available to house the door curtain
- The motor is housed in an octagonal drum for quiet door operation
- Roller covers are included as standard to reduce noise and provide protection for the door
- Brush-sealed full height guides and a bottom rubber seal protect against the elements
- Auto locks hold the door securely in place when closed
- A powerful 95db alarm* is a loud deterrent to would-be thieves.
- The SafeStop Protection System for complete safety*
- An internal release is provided in the event of a powercut
- Remote control is supplied as standard with rolling code security
- Vision windows are available* (see photograph)

* Not available for Compact

COLOURS & FINISHES

Powder-coat paint finishes



White - RAL9016



Black - RAL9005



Brown



Burgundy Red - RAL3004



Dark Green - RAL6009*



Light Green - RAL6005



Beige



Grey - RAL7035*



Dark Blue - RAL5013*



Light Blue - RAL5009*



Yellow - RAL 1023*



Teak

Wood-effect laminate finishes



Rosewood - Optional*



Golden Oak - Optional



Mahogany - Optional

Due to the limitations of the printing process colours shown are for guidance only.

HENDERSON

GARAGE DOORS

g60 SECTIONAL

GARAGE DOORS



GEORGIAN

The g60 is a revolution in garage door design. The door has horizontal panels which rise vertically then glide horizontally into the garage, requiring the minimum of effort to open and close. Created with the simplicity of good design, the Henderson g60 provides increased safety, more warmth and strength, more beauty and more space than other sectional doors in the same class.

FEATURES

WARMTH AND STRENGTH



g60 doors have a CFC free foam insulation thickness of 42mm. This gives a strong, stable door panel with enough insulation for a Scandinavian winter.

SAFETY

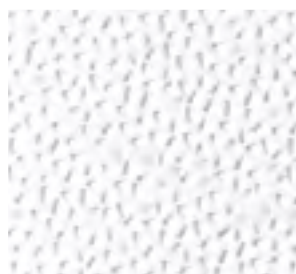
The g60 has been created to be safe for all the family and is the first door designed from inception to meet the next generation of strict European Safety (CEN) standards.



Door panels push fingers away as the door closes

REAL BEAUTY

A beautiful skin with a choice of small diamond patterns or woodgrain emboss make the look of the g60 unique. There are a wide range of finishes available, and doors can even be painted to your chosen RAL colour.



Diamond emboss



Woodgrain emboss

MORE SPACE

The g60 gives you more of the 'daylight opening' to your garage, making life easier for owners of MPV and 4 wheel drive vehicles and ideal for garages where the roof is low.

COLOURS & FINISHES

Powder-coat paint finishes



White



Brown



Oak

Favourite Colours



RAL 8003 - Clay Brown



RAL 7035 - Light Grey



RAL 9001 - Cream



RAL 9006 - White Aluminium



RAL 6005 - Moss Green



RAL 7016 - Anthracite grey



All doors are also available supplied in a RAL colour of your choice. All you need to do is provide the RAL number and we will factory paint your door in a 30% gloss finish to suit. All g60 doors are fully finished White on the inside.



TREND



RIBBED



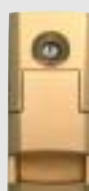
STYLE



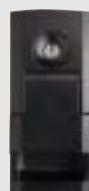
Silver



Stainless Steel

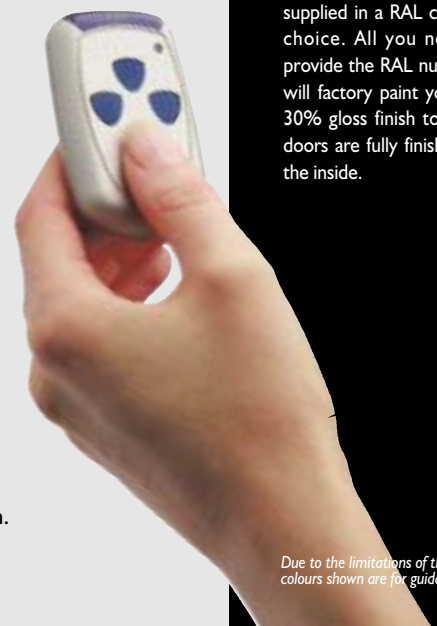


Gold



Black

g60 doors are available with a choice of black, aluminium, gold-effect or stainless steel handles. Alternatively, doors can be supplied without a handle for automatic, remote control option.



Due to the limitations of the printing process colours shown are for guidance only.

HENDERSON

GARAGE DOORS

GARAGE DOOR

SECURITY



The security of property and possessions is important to every homeowner. At Henderson we understand the importance of providing garage doors with the highest level of protection. We insist on it being at the forefront of product design and fitted as standard with every door.

HENDERSON ROLLER DOOR SECURITY

All Henderson roller doors are supplied with factory fitted dual locking bars which locate into full height steel running guides fixed to the garage wall on both sides of the door. A full width reinforced aluminium bottom rail provides additional strength to the door curtain.



Roller door dual locking bars

Full width reinforced aluminium bottom rail

Full height steel running guide



HENDERSON ONE-PIECE UP AND OVER DOORS

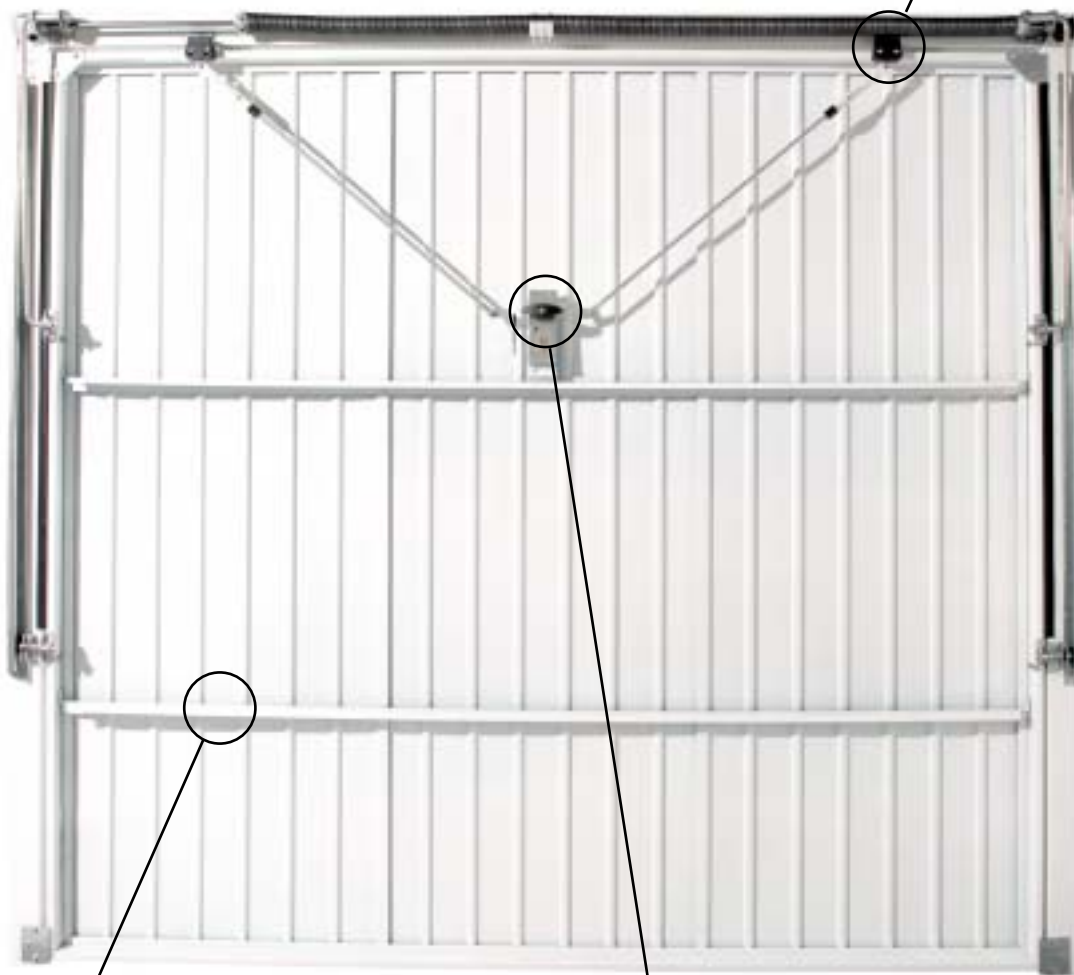
Henderson up and over garage doors are supplied with a separate handle and eurocylinder lock (preventing attempted access by attacking a joint handle/lock mechanism). A tight construction means the door bracing is flush to the panel for increased rigidity. All Henderson up and over doors are fitted with the strong and secure two point 'seat belt' locking system. A four point locking kit is also available.





'Seatbelt' locking

The unique Henderson 'seat belt' locking system clamps the door to the frame. The latch keep becomes encapsulated when locked to give tried and tested security.



Bracing

A tight panel to panel joint means the door bracing is flush to the back of the panels to give a sturdy rigid door.

Lock body

A robust lock body featuring a separate handle and eurocylinder lock barrel, is factory fitted to all up and over doors.

REMOTE CONTROL ELECTRIC OPERATION

A Henderson remote control garage door system can be added to your door, providing additional security as well as a touch of luxury. The motors used by Henderson Sprint, Marathon, Duo and Aperto systems feature self-inhibiting gearing. As it cannot be forced into reverse, a Henderson remote control system gives unbeatable resistance to any attempt to force the door open. There is even the unique facility to link a Henderson system to your house alarm.



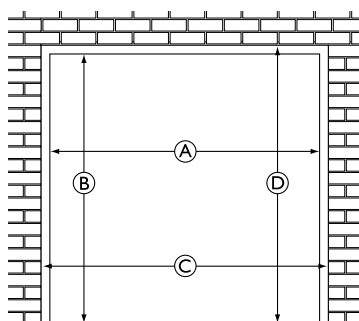
HENDERSON

GARAGE DOORS

THE RIGHT SIZE

FOR YOUR HOUSE

Garage doors are not always straightforward to install and Henderson recommend that you use a recognised tradesperson to measure for and install your new door. To help you understand the size of a garage door which is right for your property, use the guidelines below.



Always measure from more than one point as brickwork or the timber frame may not be consistent.

Always ensure there is sufficient internal clearance in the garage for the door to be installed and operate fully.

Notes:

- The brickwork opening sizes for fitting a Henderson door in a metal frame 'within the brickwork opening' include a 5mm gap between each frame leg and the brickwork and a 10mm gap between the frame head and the brickwork.
- The brickwork opening sizes for fitting a Henderson door in a metal frame 'behind the brickwork opening' are based on the frame overlapping into the opening by 10mm on both sides to allow for brickwork. The minimum amount of overlap is 2.5mm each side and the maximum is 62.5mm each side (standard frame) and 40mm each side (narrow frame).

Henderson Frame Dimensions

Steel Frame: Single sized doors:

75mm wide on the legs, 70mm high on the head and 53mm deep all round.

Double sized doors: Depth 75mm on the legs, 70mm on the head.

Narrow fit Frame: 60mm wide on the legs, 70mm high on the head and 48mm deep all round.

All sizes are subject to manufacturing tolerances.

UP AND OVER DOORS

Up and over doors can be fitted either to a good quality timber frame or with a Henderson metal frame and can be fitted either within the brickwork opening or behind it. All door sizes are based on the inside frame dimensions. For example, if a door is said to be 7'0" (2134mm) wide, this measurement is actually the distance between the inside edges of the frame legs. The door itself is narrower and shorter than the inside frame sizes so that the door has the necessary clearance to pass through the opening. In all instances, quote the inner frame size, not the measurements of any existing door.

To fit an unframed Henderson Door to an existing timber frame:

Ensure the existing frame is sound, square and secure and the timber is the recommended size of 76mm x 76mm (3"x3"). The minimum headroom and sideroom required is 70mm and 57mm respectively for doors with canopy gear, 38mm and 70mm respectively for doors with tracked gear and 38mm and 60mm respectively for doors with Optimizer gear. To find the right size, measure timber to timber (A) and floor to timber (B)

To fit a framed Henderson Door within the brickwork opening:

If the door is to be fitted with a Henderson metal frame, measure brickwork to brickwork (C) and floor to brickwork (D). For doors with a standard steel frame subtract 160mm from the opening width and 80mm from the opening height to allow for the frame. For doors with a narrow fit frame subtract 130mm from the width and 80mm from the height.

To fit a framed Henderson door behind the brickwork opening:

Measure brickwork to brickwork (C) and inside floor to brickwork (D). Subtract 20mm from the opening width to allow for variations in the brickwork.

BRICKWORK OPENING SIZES FOR COMMON SIZED DOORS WITH A HENDERSON METAL FRAME

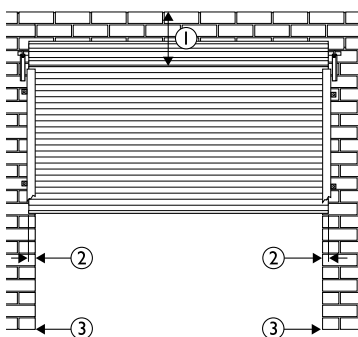
All sizes shown are for the Henderson standard steel frame. For the Henderson narrow fit steel frame, subtract 30mm from C and 30mm from E.

'Note: York, Rochester, Arundel and Stirling designs are not available to order where 'inner frame' dimension falls between or includes sizes from 2439mm to 2634mm wide.'

Order Number	Inner frame size		Outer frame size		Brickwork opening size if fitted within the opening		Brickwork opening size if fitted behind the opening	
	A	B	C	D	E			
	Width	Height	Width	Height	Width	Height	Width	Height
6666	1981 (6'6")	1981 (6'6")	2131	2051	2141	2061	2001	1981
6670	1981 (6'6")	2134 (7'0")	2131	2204	2141	2214	2001	2134
7066	2134 (7'0")	1981 (6'6")	2284	2051	2294	2061	2154	1981
7070	2134 (7'0")	2134 (7'0")	2284	2204	2294	2214	2154	2134
7666	2286 (7'6")	1981 (6'6")	2436	2051	2446	2061	2306	1981
7670	2286 (7'6")	2134 (7'0")	2436	2204	2446	2214	2306	2134
8066	2436 (8'0")	1981 (6'6")	2588	2051	2598	2061	2458	1981
8070	2436 (8'0")	2134 (7'0")	2588	2204	2598	2214	2458	2134
9066	2743 (9'0")	1981 (6'6")	2893	2051	2903	2061	2763	1981
9070	2743 (9'0")	2134 (7'0")	2893	2204	2903	2214	2763	2134
1466	4267 (14'0")	1981 (6'6")	4417	2051	4427	2061	4287	1981
To work out a size not shown use this formula	Standard Steel Frame		= A+150mm	= B+70mm	= C+10mm	= D+10mm	= A+20mm	= B
	Narrow Steel Frame		= A+120mm	= B+70mm	= C+10mm	= D+10mm	= A+20mm	= B

ROLLER GARAGE DOORS

Henderson roller garage doors are designed to fit behind the brickwork opening and to overlap the brickwork slightly in width. To order the size of your Henderson roller door, follow these 3 steps:



Series A = Doors to 3710mm wide

Series AA = Doors over 3760mm wide

1. The headroom required from the top of the opening to any obstruction or the underside of the ceiling/rafters is 420mm.

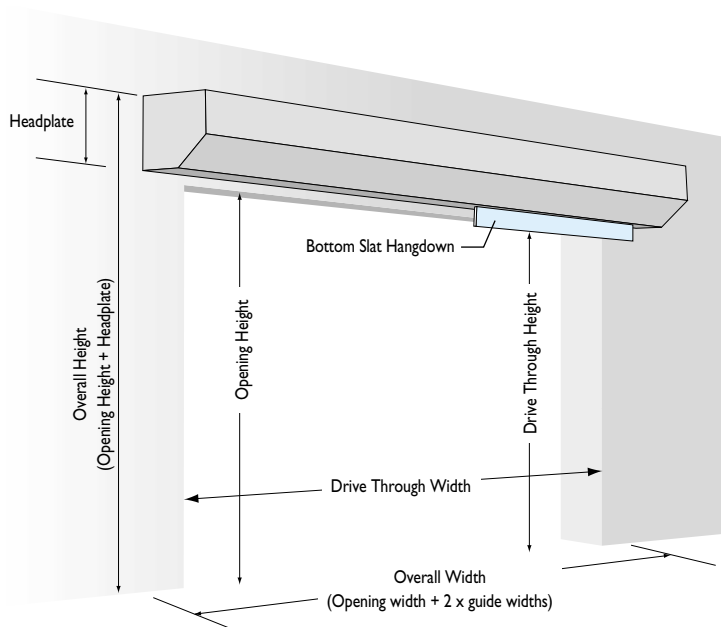
A headroom as low as 300mm can be used, but the underside of the rolled up door will show when the door is in the open position. Headroom clearance must extend for a minimum of 450mm back from the opening.

2. The door should overlap the opening on each side by: Series A: 25mm, Series AA: 50mm. Therefore to specify the opening width, state the opening + 50mm (Series A) or opening + 100mm (Series AA). State the height from inside floor to underside of the brickwork.

3. The minimum sideroom required between the opening and the side wall of the garage at each side is 100mm. For remote controlled doors, add an extra 25mm on each side.

INSULATED ROLLER AND COMPACT INSULATED ROLLER GARAGE DOORS

Henderson insulated roller garage doors are designed to be installed either within the garage opening or behind the garage opening.



INSULATED ROLLER

COMPACT INSULATED ROLLER

MINIMUM & MAXIMUM OVERALL DOOR SIZING

	MIN	MAX
Height	1800mm	3000mm
Width	1240mm	4600mm

	MIN	MAX
Height	1800mm	3000mm
Width	1240mm	3800mm

HEADPLATE SIZES

Door Overall Height	Headplate Size
up to 2050mm	250mm
up to 3000mm	300mm
up to 4000mm	360mm

Door Overall Height	Headplate Size
up to 2250mm	205mm
up to 3000mm	250mm

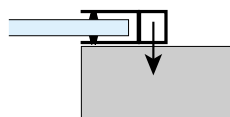
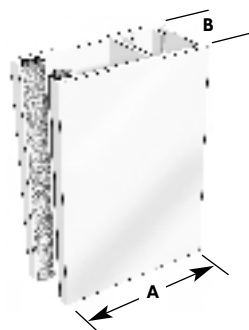
GUIDE SECTION SIZES

	A	B
Standard	90mm	35mm
Optional	*75mm	35mm
Optional	150mm	35mm

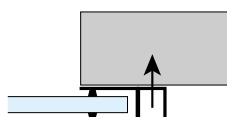
	A	B
Standard	75mm	35mm

Bottom slat hangdown max. 55mm

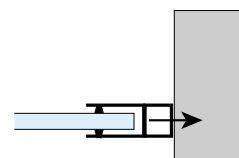
*75mm wide guide is not available for Insulated Roller doors over 3m wide.



Door installed to the inside brickwork



Door installed to the outside brickwork



Door installed within the door opening

NOTES:

- Doors can be installed either within the garage opening or behind the garage opening (see illustrations above).
- If fitting the door drum within the garage opening, a full box must be used to cover the drum and the motor.
- When ordering a door, please use the dedicated order form and current price list. Copies are available free by phoning 0871 226 8335 or can be downloaded from www.pchenderson.com.

g60 SECTIONAL GARAGE DOORS

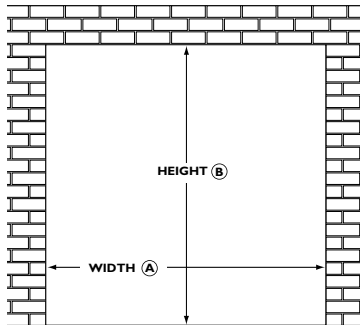
The Henderson g60 sectional door can be fitted either to a good quality timber frame or direct to sound brickwork and can be fitted either within or behind the brickwork opening. If fitted within the brickwork opening, the door must be fitted to a timber frame.





To fit a g60 door behind the brickwork opening

Measure the brickwork opening width (A) and height (B). Ensure you have adequate sideroom, headroom and clear space (depth) into the garage. The space required is determined by the operating gear chosen. See the table below for details of the operating gear options.

To fit a g60 door to a timber frame within the brickwork opening

Measure the brickwork opening width (A) and height (B). Subtract the required side and headroom (as shown below) and install a timber frame to suit. For example, a door with standard tension gear will require a timber frame of minimum nominal 3"x3" (70mm x 70mm) for the frame legs and 6"x3" (150mm x 70mm) for the frame head.



SIDEROOM/HEADROOM REQUIRED AND DEPTH OF TRAVEL INTO GARAGE						
Operating gear		Sideroom (mm)	Headroom (mm)		Depth into garage (mm)	
			Manual	Automatic	Manual*	Automatic
Tension		80	150	150	opening height (B) + 700mm	B ≤ 2250 = 3350 B ≥ 2375 = 4450
Tension (low headroom)		120	100	120	opening height (B) + 750mm	B ≤ 2250 = 3350 B ≥ 2375 = 4450
Torsion front		80	200	200	opening height (B) + 700mm	B ≤ 2250 = 3350 B ≥ 2375 = 4450
Torsion rear (low headroom)		80	100	120	opening height (B) + 800mm	B ≤ 2250 = 3350 B ≥ 2375 = 4450

* when opening height is 1900mm, add on an extra 100mm

g60 SIDE ENTRANCE DOORS

DOOR CODE	ORDER SIZE (mm) WIDTH x HEIGHT	OUTSIDE FRAME SIZE (mm) WIDTH x HEIGHT	PASS THROUGH OPENING (mm) WIDTH x HEIGHT	BRICKWORK OPENING SIZE (mm) IF FITTED BEHIND THE OPENING - WIDTH x HEIGHT				BRICKWORK OPENING SIZE (mm) IF FITTED WITHIN THE OPENING
				INWARD OPENING DOOR		OUTWARD OPENING DOOR		
				MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	
T2	1000 x 2000	1136 x 2068	941 x 1980	1000 x 2000 - 1090 x 2045		1046 x 2023 - 1126 x 2063		1156 x 2078
T3	875 X 2125	1011 X 2193	816 x 2105	875 x 2125 - 988 x 2170		921 x 2148 - 1006 x 2188		1031 x 2203
T4	875 x 2000	1011 x 2068	816 x 1980	875 x 2000 - 988 x 2045		921 x 2023 - 1006 x 2063		1031 x 2078
T5	1000 x 2125	1136 x 2193	941 x 2105	1000 x 2125 - 1090 x 2170		1046 x 2148 - 1126 x 2188		1156 x 2203

Door sets are available in made to measure sizes from 850mm wide to 1250mm wide and from 2003mm high to 2203mm high. These sizes refer to overall door and frame dimensions. To find door size, subtract 136mm from the width and 68mm from the height.

PASS THROUGH OPENING

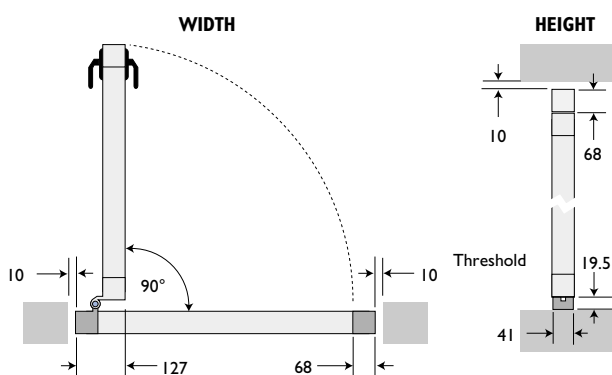
WIDTH = OUTER FRAME SIZE - 195mm (127mm + 68mm)

HEIGHT = OUTER FRAME SIZE - 88mm (68mm + 19.5mm)

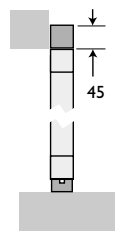
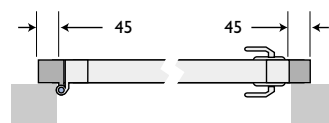
FRAME CLEARANCE RECOMMENDED

(FITTED WITHIN THE BRICKWORK OPENING)

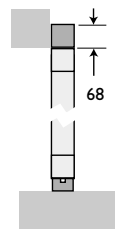
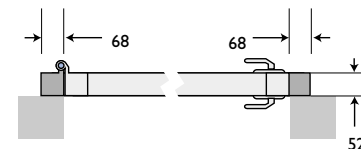
WIDTH 20mm - HEIGHT 10mm



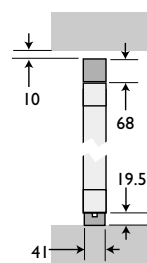
FITMENT BEHIND THE OPENING: OUTWARD OPENING DOOR



FITMENT BEHIND THE OPENING: INWARD OPENING DOOR



FITMENT WITHIN THE OPENING:



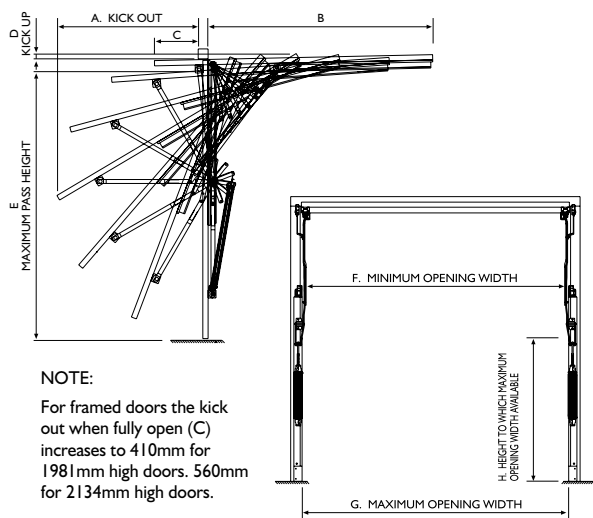
HENDERSON GARAGE DOORS

OPERATING SPECIFICATIONS

This information is given for guidance purposes only. P C Henderson reserve the right to make changes to door specifications without prior notice.

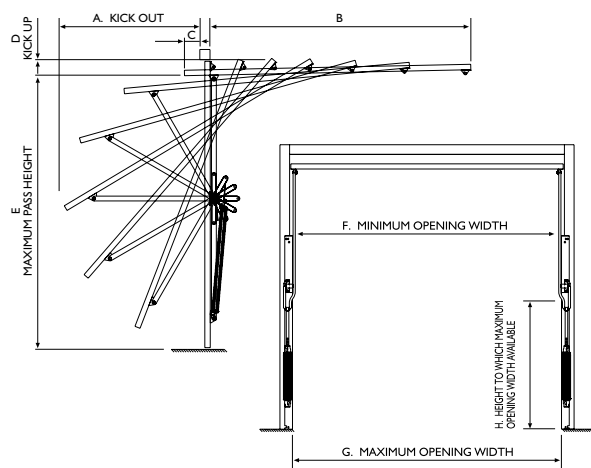
DOORS WITH OPTIMIZER GEAR

	1981mm (6'6") high door	2134mm (7'0") high door
A : Kick out	940mm	1070mm
B : Depth into garage	1702mm	1702mm
C : Door kick out when fully open	290mm	440mm
D : Kick up	39mm	39mm
E : Maximum drive through height	1820mm	1970mm
F : Minimum opening width	Door opening width -92mm	
G : Maximum opening width	Door opening width -30mm	
H : Height to which maximum opening width available	983mm	1135mm

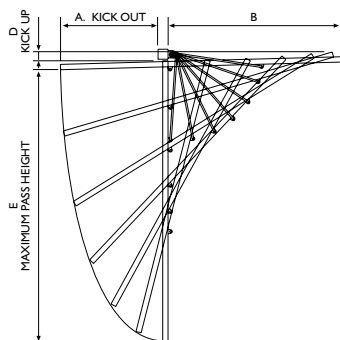


DOORS WITH TRACKED GEAR

	1981mm (6'6") high door	2134mm (7'0") high door
A : Kick out	944mm	998mm
B : Depth into garage	1743mm	1920mm
C : Door kick out when fully open	138mm	114mm
D : Kick up	11mm	10mm
E : Maximum drive through height	1801mm	1954mm
F : Minimum opening width	Door opening width -88mm	
G : Maximum opening width	Single door opening width -45mm Double door opening width -124mm	
H : Height to which maximum opening width available	982mm	1058mm



DOORS WITH CANOPY GEAR



	1981mm (6'6") high door	2134mm (7'0") high door
A : Kick out	583mm	735mm
B : Depth into garage	1300mm	1300mm
C : Door kick out when fully open	See A: kick out	See A: kick out
D : Kick up	66mm	66mm
E : Maximum drive through height	1826mm	1900mm

Note: Minimum opening width for canopy doors is door opening width -50mm.

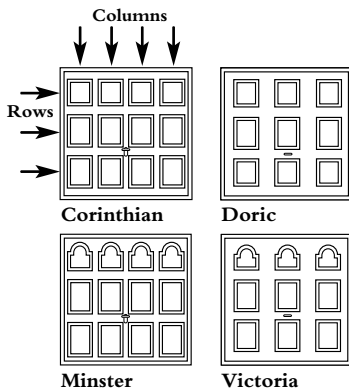
HENDERSON GARAGE DOORS

DESIGN DETAILS FOR PANELLED DOORS

This information is given for guidance purposes only. P C Henderson reserve the right to make changes to door specifications without prior notice.

PREMIERE STEEL DOORS

Premiere steel doors have three rows of embosses. The number of columns increases with the width of the door.



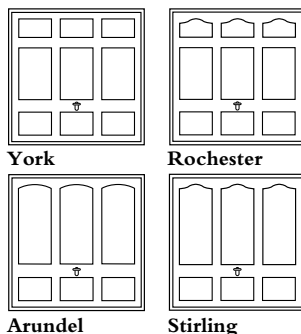
	Inner frame size (width) mm	Number of columns	Total number of embosses (columns x 3)
Corinthian/Minster	1829 - 2079	3	9
	2080 - 2586	4	12
	2587 - 3093	5	15
	3094 - 3600	6	18
	3601 - 4107	7	21
	4108 - 4614	8	24
	4615 - 4877	9	27
Doric/Victoria	1829 - 2588	3	9
	2589 - 3599	5	15
	3600 - 4877	7	21

Emboss sizing: Premiere steel, Doric/Corinthian		
	Width (mm)	Height (mm)
Top	406	434*
Middle	406	522
Bottom	406	434*

Emboss sizing: Premiere steel, Victoria/Minster		
	Width (mm)	Height (mm)
Top	406	432
Middle	406	434**
Bottom	406	434**

*Doors over 2286mm high = 522 **Doors over 2050mm high = 522

York and Rochester steel doors have three rows of embosses. Arundel and Stirling have two rows of embosses. The number of columns increases with the width of the door.



	Inner frame size (width) mm	Number of columns	Total number of embosses		Number of infill strips
			York/Rochester	Arundel/Stirling	
Steel doors	1930 - 2134	3	9	6	—
	2135 - 2286	3	9	6	2
	2287 - 2438	3	9	6	2
	2625 - 2774	4	12	8	1
	2775 - 3063	4	12	8	3
	3180 - 3351	5	15	10	—
	3352 - 3691	5	15	10	2
	3885 - 4267	6	18	12	1

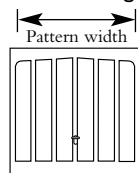
Emboss sizing: York/Rochester		
	Width (mm)	Height (mm)
Top	500	310
Middle	500	690
Bottom	500	500

Emboss sizing: Arundel/Stirling		
	Width (mm)	Height (mm)
Top	500	1120
Bottom	500	500

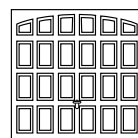
York, Rochester, Arundel and Stirling designs are not available to order where 'inner frame' dimension falls between or includes sizes from 2439mm to 2634mm wide.

GRP DOORS

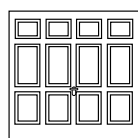
GRP doors are hand made using moulds to create the door panel styling. All door sizes are shown in imperial.



Abbey



Ashton

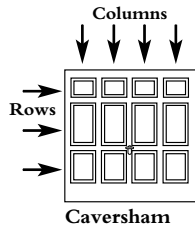


Consort

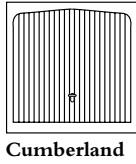
Door Width		Door Height		Border (per side)		Pattern Width (mm)	Number of columns
From	To	From	To	Min	Max		
7'0"	9'6"	6'6"	7'6"	2.56"	17.5"	1985	6
9'7"	11'10"	6'6"	7'6"	3.93"	17.10"	2719	8
11'11"	13'11"	6'6"	7'6"	3.9"	15.9"	3415	10
14'0"	15'0"	6'6"	7'6"	2.69"	8.7"	4111	12

Door Width		Door Height		Border (per side)		Pattern Width (mm)	Columns x rows (width x height)
From	To	From	To	Min	Max		
7'0"	8'0"	6'6"	7'6"	3.64"	9.62"	1930	6 x 4
14'0"	14'0"	6'6"	7'0"	4.88"	4.88"	4000	12 x 4
14'0"	15'0"	6'6"	7'6"	3.93"	10.80"	3990	12 x 4

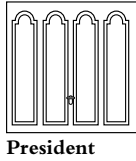
Door Width		Door Height		Border (per side)		Pattern Width (mm)	Columns x rows (width x height)
From	To	From	To	Min	Max		
7'0"	8'6"	6'6"	7'6"	4.23"	13.22"	1900	4 x 3
8'7"	10'0"	6'6"	7'6"	3.68"	12.19"	2410	5 x 3
10'1"	11'11"	6'6"	7'6"	2.84"	14.33"	2910	6 x 3
12'0"	13'6"	6'6"	7'6"	5.07"	14.07"	3400	7 x 3
13'7"	15'0"	6'6"	7'6"	4.05"	12.60"	3915	8 x 3



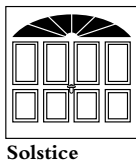
Door Width		Door Height		Border (per side)		Pattern Width (mm)	Columns x rows (width x height)
From	To	From	To	Min	Max		
7'0"	8'6"	6'6"	7'6"	4.23"	13.22"	1900	4 x 3
8'7"	10'0"	6'6"	7'6"	3.68"	12.19"	2410	5 x 3
10'1"	11'11"	6'6"	7'6"	2.84"	14.33"	2910	6 x 3
12'0"	13'6"	6'6"	7'6"	5.07"	14.07"	3400	7 x 3
13'7"	15'0"	6'6"	7'6"	4.05"	12.60"	3915	8 x 3



Door Width		Door Height		Border (per side)		Pattern Width (mm)	Number of panels wide
From	To	From	To	Min	Max		
7'0"	8'5"	6'6"	7'6"	3.64"	12.13"	1930	24
8'6"	10'0"	6'6"	7'6"	3.18"	12.18"	2410	30
10'1"	11'6"	6'6"	7'6"	3.23"	11.73"	2890	36
11'7"	12'9"	6'6"	7'6"	3.14"	10.14"	3352	20 + 20
12'10"	13'10"	6'6"	7'6"	4.34"	10.34"	3672	22 + 22
13'11"	15'0"	6'6"	7'6"	4.54"	11.04"	3992	24 + 24



Door Width		Door Height		Border (per side)		Pattern Width (mm)	Number of panels wide
From	To	From	To	Min	Max		
7'0"	8'6"	6'6"	7'6"	3.64"	12.60"	1930	4
13'10"	15'0"	6'6"	7'6"	4.35"	11.40"	3960	8

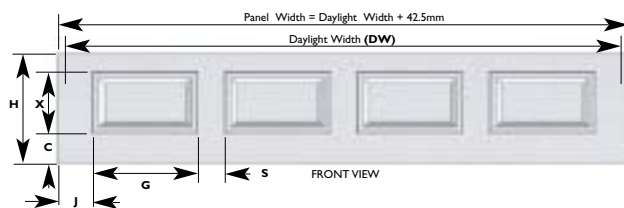


Door Width		Door Height		Border (per side)		Pattern Width (mm)	Columns x rows (width x height)
From	To	From	To	Min	Max		
7'0"	8'6"	6'6"	7'6"	3.93"	13.38"	1900	4 x 2 (1 sunrise)
13'6"	15'0"	6'6"	7'6"	3.93"	13.38"	3900	8 x 2 (2 sunrises)

g60 SECTIONAL DOORS

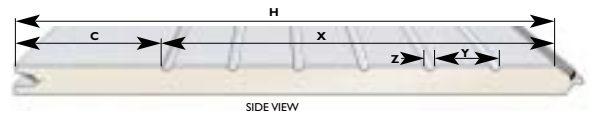
GEORGIAN DOOR - PANEL DETAILS

(H) PANEL HEIGHT	(DW) DAYLIGHT WIDTH mm	NUMBER OF EMBOSSES	A(I) END SPACING	(S) LAND SPACING	(X) EMBOSS HEIGHT	(G) EMBOSS WIDTH	(C) BOTTOM SPACING
See number of panels by door height	1800-2399	3	Min 71mm Max 231mm	Min 100mm Max 200mm	310mm	500mm	Min 91mm Max 151mm
	2400-3099	4					
	3100-3649	5					
	3650-4249	6					
	4250-5000	7					



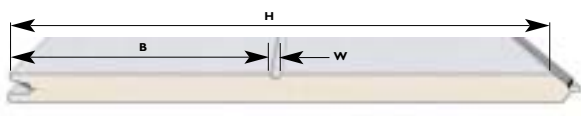
RIBBED DOOR - PANEL DETAILS

(H) PANEL HEIGHT	NUMBER OF RIBS	(X) RIBBED AREA	(Y) SPACE BETWEEN RIBS	(Z) RIB WIDTH	(C) BOTTOM SPACING
See number of panels by door height	6	300mm	58mm	9mm	Min 113mm Max 156mm



TREND DOOR - PANEL DETAILS

(H) PANEL HEIGHT	NUMBER OF RIBS	(W) RIB WIDTH	(B) BOTTOM SPACING
See number of panels by door height	1	9mm	Min 216mm Max 259mm



NUMBER OF PANELS BY DOOR HEIGHT

DOOR HEIGHT (mm)	NUMBER OF PANELS	PANEL HEIGHT (mm)
3000	6	483
2800	5	545
2650	5	514
2500	5	483
2375	5	458
2250	4	545
2125	4	514
2000	4	483
1900	4	458

PRODUCT GUARANTEE INFORMATION

GARAGE DOORS AND REMOTE CONTROL SYSTEMS

Henderson Garage Doors Ltd offer the following warranty periods against their products:

- 10 years offered against the integrity of the door panel for all garage doors.
- 10 years offered against the exterior of factory fully finished Garage Doors from the following ranges:
 - Steel Up and Over doors
 - Sectional doors
 - Roller doors
 - GRP Up and Over doors
 - Insulated Roller doors
- The exterior finish of timber doors and primed steel doors is not guaranteed as these doors must be finished in accordance with the 'Caring For Your Garage Door' instruction supplied with the door. Please note that Henderson Garage Doors do not guarantee final non-factory applied finishes. The finish of GRP doors, in common with other external GRP products, may fade and discolour over time due to UV exposure. This natural effect is not covered under the Henderson guarantee.
- 2 years offered against all Mechanical Elements of the door.
- 5 years offered against garage door remote control systems, excluding handsets and consumable items such as batteries and bulbs.
- These warranties are offered subject to the following General Conditions and Exclusions.

GENERAL CONDITIONS

- Warranty cover will commence from the date of supply or on new build from the date of first occupation provided that this is within a reasonable period of time. The door must be correctly installed by a competent person according to the installation instructions supplied with the door. It is also to be maintained and serviced in line with the user care and maintenance instructions provided.
- No modifications are to be made at all without prior permission from Henderson Garage Doors otherwise this will invalidate the guarantee. This guarantee does not cover regular wear and tear.

- Henderson Garage Doors will repair or replace product or components at their discretion; any items replaced become the property of Henderson Garage Doors.
- The maximum liability under this warranty shall be the purchase price, including, Value Added Tax, prevailing when the product was purchased. It does not cover consequential damage, nor does it cover damage arising from incorrect handling, storage, installation or use, and impact or mechanical damage caused on or after delivery.
- Any claim made against this guarantee needs to be notified to the retailer or supplier as soon as possible within the specified period, accompanied with the information shown on the label attached to the door.
- Products are covered where installed on a domestic residence for single family occupation, which exclude commercial operations such as multi-use parking garages. Normal daily average operations must not exceed five cycles (open and close) each day.
- Attempted repairs by non-qualified or non competent individuals shall invalidate the guarantee.
- The guarantee for finishes applies to the weather side (exterior) only and applies only where more than 5% of the surface area is affected.
- The door must be kept in a clean condition and free from impact damage. Exposure to harsh environment conditions such as salt spray will invalidate the guarantee. Mechanical damage caused through improper transport and fitting will invalidate the guarantee. External influences such as fire, water, alkaline solutions, acid or bird droppings are excluded from the guarantee. Incorrect or too late applied surface protection treatments will invalidate the guarantee.
- Using non Henderson Garage Doors parts without the approval of the manufacturer will invalidate the guarantee.
- Removal of the product number or making it unidentifiable will invalidate the guarantee. Henderson products are sold subject to its Standard Terms and Conditions of Sale.
- It is a fundamental condition of this guarantee that the product has been installed, maintained and serviced correctly and is used solely for the purpose for which it was designed. Incorrect installation, maintenance and service will invalidate this warranty.
- This guarantee shall only apply to goods sold against these conditions and after 16th July 2007.

All guarantees only apply to products, components & parts supplied by this company.

HENDERSON GARAGE DOORS

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Manufacturing Plant: Durham Road, Bowburn, County Durham DH6 5NG

www.hendersongaragedoors.co.uk



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BRP Group Limited Registered Office: Oakfield House, Farm Road, Brackley, Northamptonshire NN13 7AW. Registered No. 6963573 (England)