



ALLEGION™

Briton

Overhead door closers & floor springs

Product overview



A portfolio of door control solutions from the UK's most trusted brand

The Briton overhead door closer range provides a multi-level approach to door closing solutions to suit all projects, door applications and budgets. From the simplicity of a mechanical non-fire door closer for basic functionality, to a microprocessor controlled low energy operator for special applications e.g. for doors required to satisfy Part M of the Building Regulations, there are Briton products to meet your needs.

Specifying a Briton door control

When specifying a Briton door closer you can be assured that an uncompromising attention to detail has been given to every stage of its design and manufacture. This ensures that its products and systems meet the highest possible quality and conformity certifications and exceed the requirements of all applicable European Standards.

A global leader in every sense of the word, Allegion has an unrivalled track record in satisfying the demands of architects, designers, specifiers and building contractors throughout the world.

Allegion (UK) Ltd manufactures a portfolio of market leading products, including Briton, the UK's number one brand of door controls. Briton is the UK's number one brand of door closer and is a name synonymous with high quality design, reliability and durability. Allegion is at the forefront of supplying products that meet the new European CPR requirements, such as one of the first ranges of CE marked fire exit hardware and door controls.

See also our ranges of high performance surface mounted and concealed cam action door closers.



The Equalities Act - disability legislation

Legislation aimed at providing universal accessibility of buildings requires service providers to make *"reasonable adjustments to the physical features of their premises to overcome barriers to access"*.

Approved Doc M of the Building Regulations and BS 8300 provide guidance in establishing recommended opening forces for door controls to assist less able users.

High efficiency Briton closers which are capable of meeting the required levels of opening and closing forces are marked with the "Wheelchair Symbol" but accurate installation, hinge friction, door seals and variable air pressure can all have a bearing on the opening resistance of the final doorset.

For doors which must also meet the stringent closing force requirements for fire door applications, it may be more appropriate to use electro-magnetic hold open or swing free closers or a powered opening solution.

Further information on CE marking and Certifire certificates can be found on our website at:

www.allegion.co.uk/downloads and click on Test Certificates.

For Declaration of Performance please go to:

www.britondops.co.uk

A model to suit all applications and budgets



Heavy duty The Briton 2130 is a high performance, adjustable power overhead closer with various design options including slide track and electro-magnetic hold-open. Available in a choice of covers and finishes.



Medium duty The Briton 2100 and 2000 Series of classic medium duty closers offer fixed and adjustable power closers with a choice of covers and finishes.



Medium duty The Briton 1100 Series medium duty closer range offers multiple design options which can be co-ordinated across a broad range of performance requirements including electro-magnetic hold-open.



Medium duty The Briton 996 Series is a dedicated electro-magnetic hold-open/swing-free fixed power door closer range.



Medium duty The Briton 2800 Series floor spring provides fixed power solutions for high traffic single or double action applications or where a surface mounted closer may be subject to abuse.



Light duty The Briton 121CE is a light duty budget closer option, providing basic operational characteristics in a compliant closer.

Briton 2100 Series - offering the highest quality of performance and design choice

The Briton 2100 Series of door controls has been created to offer a comprehensive package of solutions to suit any door closing application.

Developed in conjunction with installers, the 2100 Series builds on the engineering excellence of previous Briton door controls by incorporating one of the simplest, quickest and most accurate installation systems available.

This combination of engineering quality and good looks - with three body cover options and a variety of finishes - creates a truly versatile architectural solution for any heavy to medium duty application.

The highly versatile 2100 Series was developed with installers to combat the practical and economic concerns with conventional door closer installation. As a result, the Briton 2100 Series can demonstrate an average 30 - 35% labour saving on installation. But the benefits are much deeper than this. The increased degree of accuracy achieved when installing a Briton 2100 Series closer dramatically improves its efficiency and longevity.

The Briton 2100 Series is CE marked to EN 1154 (additional EN 1155 for electronic variants), fire tested to EN 1634 and Certifire Approved for use on timber doors to achieve a 2 hour fire rating, and up to 4 hour for steel doors.



Features & Benefits

- A** Cast aluminium body (2110/2120) or cast iron body (2130) giving rugged durability.
- B** Hardened steel rack and pinion mechanism with needle roller bearings for exceptionally smooth and efficient operation and high levels of durability.
- C** Coil springs manufactured in silicon chrome alloy steel for superior strength and reliability.
- D** High quality hydraulic fluid with in-built temperature compensation ensures reliable operation in temperatures from -15 °C to +40 °C.
- E** Pre-assembled arm and bracket simplifies assembly, increasing speed and accuracy.
- F** Quick release arm assembly allows the closer to be disconnected and reconnected quickly without the need to alter the arm arrangement. This speeds up the installation process and enables the closer body and bracket to be fixed independently allowing for much greater accuracy.

- G** All-over cover conceals all fixings and adjustment screws to prevent tampering.
- H** Choice of cover options in a range of architectural finishes with matching arms.

Unique Accufit backplate system reduces installation time and dramatically improves accuracy of fitting.

Spring power adjustable depending on model from EN 1 - 6 (see table on page 13) avoids the need to predetermine the door details at the point of specification and allows for site variations.

Also available as a slide track closer.

- 0** Wind through power adjustment.
- 1** Adjustable closing speed and ...
- 2** Adjustable latch action provides total control of the full closing cycle.*
- 3** Adjustable backcheck (except 2110) minimises the risk of personal injury and damage to adjacent walls, door, frame and other door hardware.*
- 4** Adjustable delayed action (2130BD only) delays the closing cycle to allow slow moving pedestrians to pass through unhindered by the closing door.**
- 5** Optional hold-open armset is adjustable from 80 ° to 180 ° opening angle (except for 2130 fitted in regular application which has an opening angle of 80 ° - 130 °).

Not to be used on fire door applications.

* Please note, the location of adjustment screws differs on some closers.

** Not suitable for fire doors.





cast iron body variant



cast iron body variant



The location of adjustment screws differs from the aluminium and cast iron body variants.

Mechanical hold-open unit

Mechanical hold-open is achieved by substituting the standard armset with a hold-open armset. It enables doors to be securely held in the open position at the required pre-set angle (adjustable on installation between 80° and 180° depending on model and the mounting application).

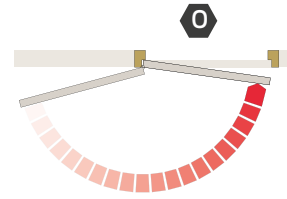
The hold-open facility can be easily overridden and the force required to release the hold-open action can be adjusted to suit the weight of door.

Please note, mechanical hold-open is not permitted on fire door applications.

Closer adjustments

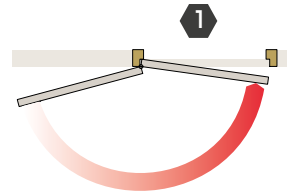
Adjustable closing power

The innovative 'FAST PowerAdjust' mechanism provides a visual guide on the EN power level at which the closer has been adjusted.



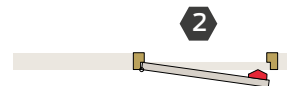
Adjustable closing speed

Adjustable from 180° opening through to the final 15°.



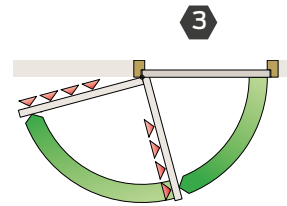
Adjustable latch action

The speed of closing in the last 15° can be adjusted to overcome seals and latches.



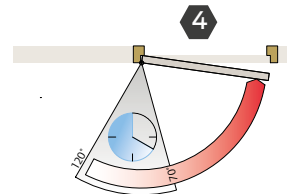
Adjustable backcheck

To prevent damage to the door, hardware and adjacent walls, caused by the door being flung open or caught by a gust of wind.



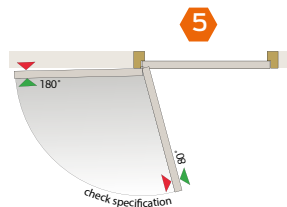
Adjustable delayed action

The closer can be set to close more slowly to give people extra time to pass through the doorway. Adjustable timing between 70° and 120°.



Adjustable hold-open

Mechanical and electro-magnetic hold-open variants are available to hold the door in the open position.



Mechanical hold-open - 80° - 180°

Electro-magnetic hold-open:

85° - 110° available in door mount pull applications.

75° - 100° available in door mount push applications.

Briton 2100 Series - Installation



Accufit by name, Accufit by nature

The cost associated with inaccurate fixing of a door closer can be of significant proportions, particularly when it has a 'knock-on' effect on the other hardware on the door, the door itself and the surrounding structure.

At Allegion we identified that 95% of all problems associated with door closers were due to incorrect installation rather than a fault in the closer itself.

The Accufit System was designed to address this deficiency and provides real term benefits far beyond the simple savings in installation time.

The life of the product is greatly enhanced by being fitted accurately and has a beneficial effect on the operation of the whole door.



The Briton Accufit system in action

The essence of the Accufit System is to allow quick and accurate installation and uses:

- A unique low-tac self adhesive template which is stuck to the door and frame and allows all the fixing points to be pre-drilled.
- A mounting backplate which is fixed to the door, avoiding the need to support the weight of the closer body when fitting.
- Pre-assembled arm and bracket which speed up the assembly procedure.
- Quick release armset allows the primary arm to be connected to the closer and the secondary arm and bracket to be mounted without having to preload the closer spring.

Combining high performance with a variety of design options to suit all applications

Within the Briton 2100 Series there are a number of options to choose from to suit your application. These include:

- Projecting arm or slide track options which provide a neat architectural look and reduce the chances of misuse.
- Three cover options available, the rounded L cover and the gently curved S cover which are available on all 2100 closers and the Classic Briton cover which is available on 2130 variants only.
- Covers are available in a number of finishes with matching arms and bracket or track (see page 39 for a full list of available finishes).
- Electro-magnetic slide track hold-open option.



Above: Briton 2120B with L cover in polished stainless steel

Below: Briton 2120B with S cover in satin stainless steel

Briton 2100 Series - Design options

The Briton 2130B.T and its electro-magnetic hold-open variant the Briton 2130B.TE (overleaf) are slide track closers. The single arm arrangement utilises a shallow slide track which avoids the need for projecting arms. With the closer fixed to the door and the track fitted to the head frame they are particularly suited to narrow transoms.

The exclusion of projecting arms makes slide track closers particularly appropriate in applications which may be susceptible to vandalism and misuse and they are often specified for higher quality installations because of the improved aesthetics provided by the neat, uncomplicated track.



Top: Briton 2130B.T slide track variant with S cover in satin stainless steel

Centre: Briton 2130B.T with Classic cover in satin stainless steel

Bottom: Briton 2130B with Classic cover in SES sprayed silver finish with matching arms and bracket

For fire door applications which are required to be held open, or for applications requiring ease of access, the Briton 2130B.TE electro-magnetic hold-open closer is ideal.



Briton 2130B.TE with L cover in satin stainless steel

An electromagnet in the slide track is designed to hold the door open during normal use and is connected to the building fire alarm system. On sounding the fire alarm, or in the event of power failure, the electromagnet is deactivated and releases the door closer mechanism to close the door in the normal controlled manner.

It is particularly suited for use in areas where a standard door closer could be inconvenient or would impede the flow of people in medium or high traffic applications such as a cinema foyer or hospital corridor. The use of electro-magnetic hold-open door controls are recommended in applications which are designed to meet the levels of accessibility called for in Approved Document M Access to and use of buildings.

Features of the Briton 2130B.TE closer

- Designed to, and compliant with, EN 1155, the most recent legislation for performance, reliability and safety.
- Satisfies the requirements of Approved Document M Access to and use of buildings
- Fail safe electronics guarantee door release in the event of a fire or power failure.
- Track mounted 24v DC solenoid with an effective and reliable holding force.
- Manual override allows the door to be pulled closed at any time.
- On-board test switch simulates fire condition to check operation.
- Fully adjustable hold-open angle from 85° to 110°.
- 24v transformer/rectifier available.

Integrated design

When compared to the use of a standard closer and separate electromagnetic door holder the integrated Briton 2130B.TE has the following benefits:

- Reduced installation time and cost.
- Less susceptible to malicious damage.
- Ensures twisting forces on the door leaf are eliminated.
- Aesthetically superior as it avoids intrusive bracketry and other components on the door.
- Can be used where there is no reveal wall.

Power requirements

The closer power requirements are 24V DC, 90mA nominal. Transformers and relay interfaced to the fire alarm system can also be supplied to link the electricity supply and the fire alarm system.

FSR transformer/rectifier

For use with fire/smoke check electro-magnetic door control units where 24V DC is not available for the continuous rating required. A socket is provided to accept a plug-in relay.

Briton 2100 Series - Applications

Briton 2100 Series closers are supplied as standard with a tri-pack containing arms and brackets suitable for mounting in regular, transom and parallel applications as shown below (illustrated with L cover and scissor arm).

The door and frame size parameters are shown below. Please note the variation when used in conjunction with the optional hold-open armset.



Regular application

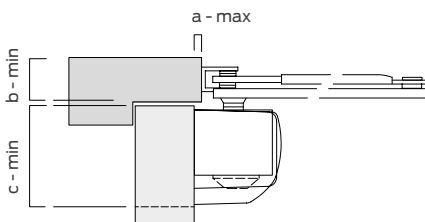


Transom application

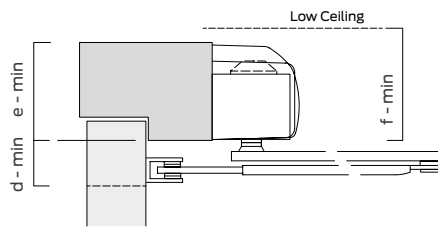


Parallel application

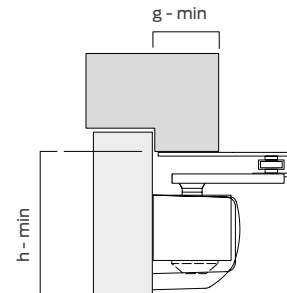
Closers with scissor arms (all cover options shown)



Regular application

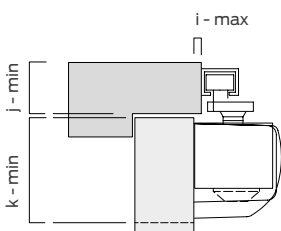


Transom application

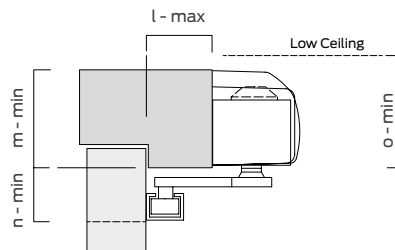


Parallel application

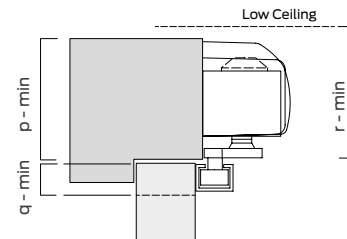
Closers with track arms (all cover options shown)



Door mounted - pull side



Transom mounted - push side



Transom mounted - pull side

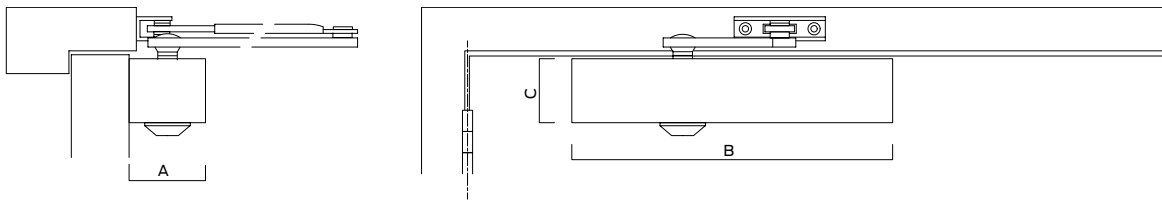
closer ref.	body cover	Dimensions (mm)							
		a	b	c	d	e	f	g	h
2110 2120	L	10	26(39)	62	28(39)	52	62	44	99(112)
	S	10	26(39)	74	28(39)	52	74	44	112(124)
	C	7	28(41)	78	28(42)	50	68	44	94(107)
2130B 2130BD	L	7	28(41)	78	30(43)	55	78	44	117(130)
	S	7	28(41)	78	30(43)	55	78	44	117(130)

closer ref.	body cover	Dimensions (mm)									
		i	j	k	l	m	n	o	p	q	r
2130B.T 2130B.TE	C	12	41	78	76	55	45	78	75	22	95
	L	12	41	78	76	55	45	78	75	22	95
	S	12	41	78	76	55	45	78	75	22	95

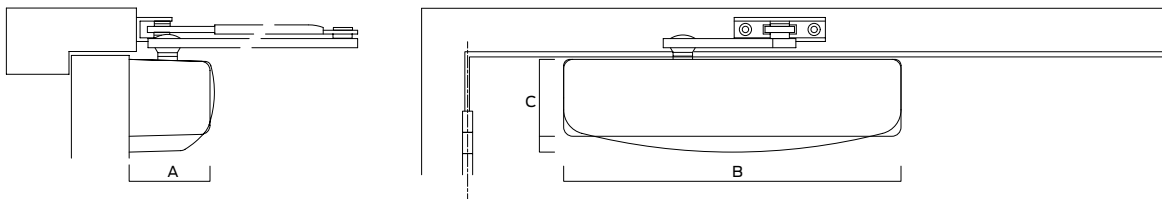
please note; the figures in brackets refer to dimensions when used with mechanical hold-open armsets

Briton 2100 Series - Closer dimensions

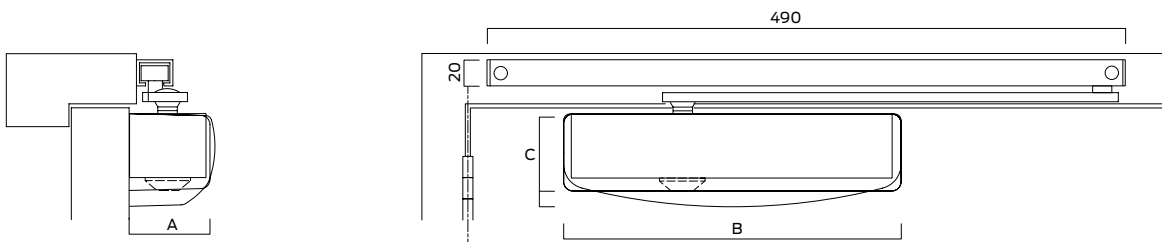
Closer with scissor arm & Classic cover



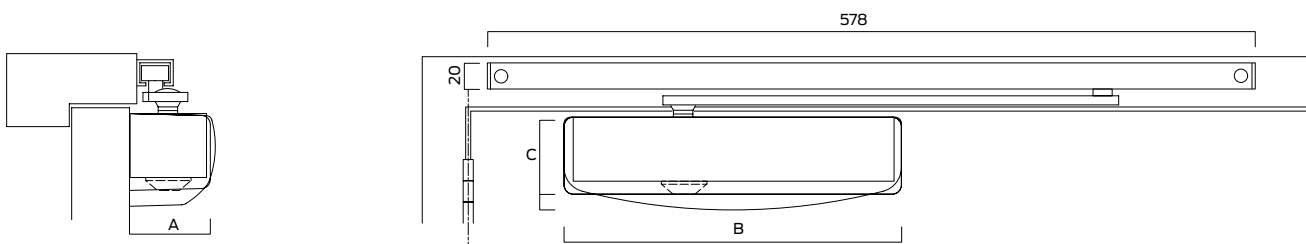
Closer with scissor arm & L or S cover



Closer with track arm and L, S or Classic cover



Closer with electro-magnetic track arm and L, S or Classic cover



closer ref.	body cover	A	B	C
2110	L	62	258	59
2120B	S	65	258	71
2130B	C	66	310	55
2130BD	L	62	318	74
2130B.T	S	71	318	76
2130B.TE				

Briton 2100 Series - Specifications

Specification

The Briton 2100 Series is CE marked to EN 1154 (see table) and certified to EN 1634 (fire) and EN 1155 (electro-mechanical hold-open variant).

- Adjustable EN power sizes up to EN 6.
- Certifire Approved (CF111) for use on timber fire doors up to 2hr and steel doors up to 4hr (except 2130BD and all 2130 closers with Classic cover).
- Die cast aluminium or cast iron mechanism body with hardened rack and pinion mechanism.
- Accufit Installation self-adhesive template and first fix mounting plate for easy installation.
- Backcheck and delayed action.
- Optional mechanical and electro-magnetic hold-open facility.
- Projecting arm and slide track configurations available.
- 10 year performance guarantee for reassurance. 2 year electrical guarantee.

Product features		Product references					
EN Closer size	max. door size [width - weight]	2110	2120B	2130B	2130BD	2130B.T	2130B.TE
1	750mm - 20kg		■				
2	850mm - 40kg	■	■	■	■	■	
3	950mm - 60kg	■	■	■	■	■	■
4	1100mm - 80kg	■	■	■	■	■	■
5	1250mm - 100kg			■	■		
6	1400mm - 120kg			■	■		
CE marked		■	■	■	*	■	■
Variable closing power EN size		2 - 4	1 - 4	2 - 6	2 - 6	2 - 4	3 - 4
Power adjustment by spring or template		template	spring	spring	spring	spring	spring
Accufit template & Accufit mounting plate		■	■	■	■	■	■
Max. angle of opening (controlled closing)		180°	180°	180°	180°	180°	110°
Adjustable closing speed & latch action		■	■	■	■	■	■
Adjustable backcheck			■	■	■	■	■
Adjustable delayed action					■		
Tri-pack armset (see page 11)		■	■	■	■		
Mechanical hold-open facility		□	□	□	□		
Electro-magnetic hold-open facility							■
Projecting arm closer		■	■	■	■		
Slide channel and arm						■	■
Cover variants available (C; L; S)		L/S	L/S	C/L/S	C/L/S	C/L/S	C/L/S
Guarantee period		10yrs	10yrs	10yrs	10yrs	10yrs	10yrs/2yrs
CE Classification		4 8 2-4 113	4 8 1-4 113	4 8 2-6 113	4 8 2-6 013	4 8 2-4 113	3 8 3-4 113



■ Standard □ Optional

The Briton 2100 Series is type tested and independently certified for conformity to all the requirements of EN 1154 and EN 1155 where applicable. They are CE marked and classified as shown in the table above.

For Declaration of Performance please go to:
www.britondops.co.uk

For full details on CE and Certifire please go to:
www.allegion.co.uk/downloads and click on Test Certificates

* PLEASE NOTE: The Briton 2130BD is not CE marked and therefore not suitable for fire doors.

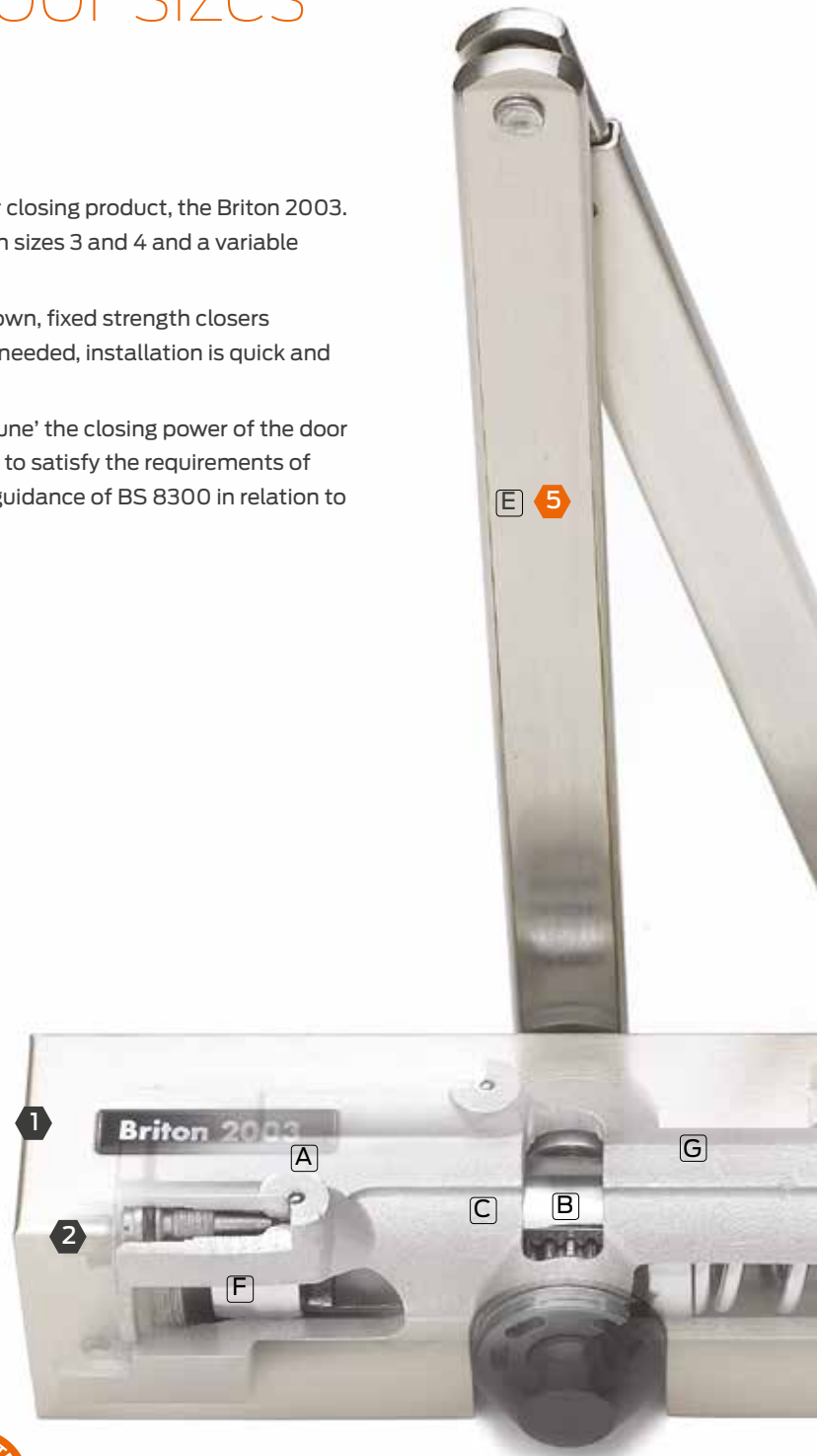
Briton 2000 Series – a compact series of closers designed for the most common door sizes

The Briton 2000 Series of closers includes the UK's No.1 door closing product, the Briton 2003. It is a compact range of small bodied, fixed strength closers in sizes 3 and 4 and a variable power closer in sizes 1 to 4.

When the situation of use and the door size and weight is known, fixed strength closers provide an economic solution. With little on-site adjustment needed, installation is quick and trouble-free.

The adjustable power 2003V provides the flexibility to 'fine tune' the closing power of the door control in order to achieve the low 'opening forces' necessary to satisfy the requirements of Approved Document M of The Building Regulations and the guidance of BS 8300 in relation to The Equality Act (2010).

The Briton 2000 Series is CE marked to EN 1154, fire tested to EN 1634 and Certifire Approved for use on timber doors to achieve a 2 hour fire rating, and 4 hour for steel doors.



Briton 2000 Series - Classic medium duty

Features & Benefits

- A** Cast aluminium body.
- B** Steel rack and pinion mechanism is heat treated for strength and durability.
- C** Forged, heat treated and ground steel piston for rugged durability.
- D** High quality hydraulic fluid with in-built temperature compensation ensuring reliable operation in temperatures from -15°C to +40°C.
- E** Stylish flatform arm in finish to match door closer cover.
- F** The mechanism is safety valve protected to prolong the life of the closer against abuse and misuse.
- G** Precision needle roller bearings for optimum performance and efficiency.

- H** Classic fabricated cover conceals fixings and adjustment screws, reducing the risk of vandalism. Available in a range of architectural finishes with matching arms or track to complement a variety of door hardware ranges.

Briton badge of authenticity.

Accufit template increases the accuracy of installation and helps to reduce installation time (see page 7 for further information).

- 0** Wind through power adjustment (2003V only).
- 1** Adjustable closing speed and ...
- 2** Adjustable latch action provides total accuracy of adjustment of the full closing cycle.
- 3** Adjustable backcheck available (2003V only).
- 5** Optional hold-open armset with sturdy cam action knuckle allows the door to be held in the open position for convenience.

Not to be used on fire door applications.





Briton 2003V

In addition to the fixed power closers, the 2003V variable power unit can be adjusted between power sizes 1 - 4 and is designed specifically to meet the requirements of Approved Document M of the Building Regulations.

- High efficiency closer capable of meeting the closing force requirements of EN 1154 for fire door applications and the maximum opening force requirements for easy access applications.
- Fully adjustable down to power size 1 to minimise opening force requirements on non-fire rated doors.
- Will directly retrofit existing 2003 units, utilising the unique Accufit method of installation.

Note: actual opening and closing forces measured on a door are subject to many external influences including hinge friction, smoke and draught seals, lock latches and differential air pressure. Whilst the closing device will meet the required figures, compliance with the standard will depend on each application.

Mechanical hold-open unit

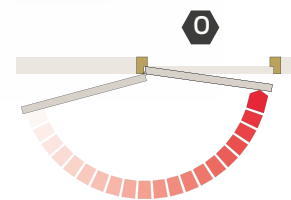
Mechanical hold-open is achieved by substituting the standard armset with a hold-open armset. It enables doors to be securely held in the open position at the required pre-set angle (adjustable on installation between 80° and 180° depending on the mounting application).

The hold-open facility can be easily overridden and the force required to release the hold-open action can be adjusted to suit the weight of door.

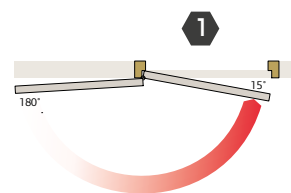
Please note, mechanical hold-open is not permitted on fire door applications.

Closer adjustments

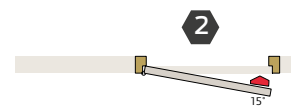
Adjustable closing power
The Briton 2003V has adjustable power EN 1 - 4.



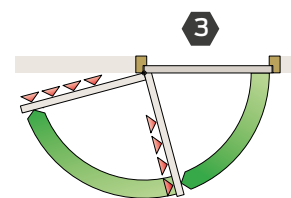
Adjustable closing speed
Adjustable from 180° opening through to the final 15°



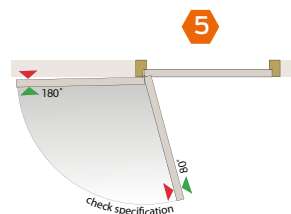
Adjustable latch action
The speed of closing in the last 15° can be adjusted to overcome seals and latches



Adjustable backcheck
To prevent damage to the door, hardware and adjacent walls, caused by the door being flung open or caught by a gust of wind.



Adjustable hold-open
Mechanical hold-open armset option available to hold the door in the open position. Adjustable between 80° and 180°



Briton 2000 Series - Options

Compatibility with the Briton 2130 closers with the Classic cover option offers the possibility of mixing and matching closers according to the application.

A neat, slimline appearance produced by the Briton 2003T slide track option.



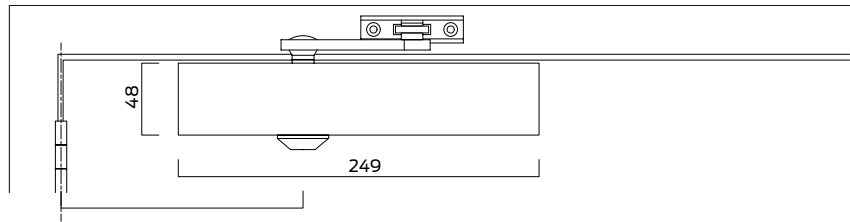
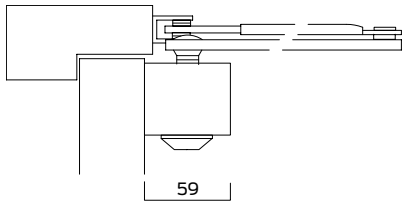
The Briton 2000 Series can be fully suited with the heavy duty adjustable closers of the Briton 2130 closers with classic covers, making it a truly comprehensive and integrated package of door controls.

The Briton 2000 Series and 2100 Series are available in the same high quality finishes. Supplied with matching arms and brackets, both are available in satin stainless steel, polished stainless steel, polished brass and a range of powder coated finishes to match Normbau Nylon hardware. See page 39 for further information.

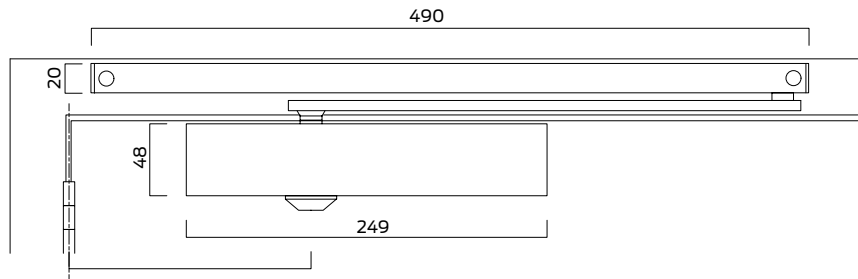
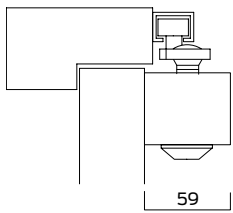


Briton 2000 Series - Specification

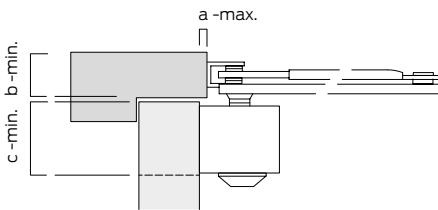
Closer with scissor arm & Classic cover



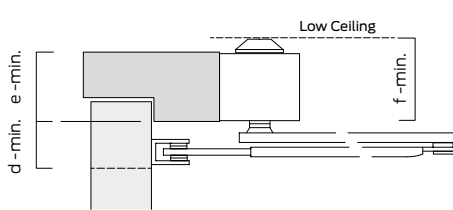
Closer with track arm & Classic cover



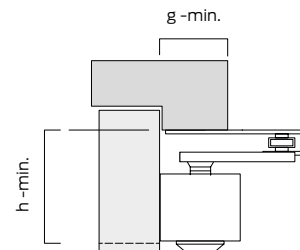
Closer with scissor arms and Classic cover



Regular application

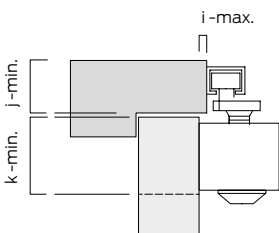


Transom application

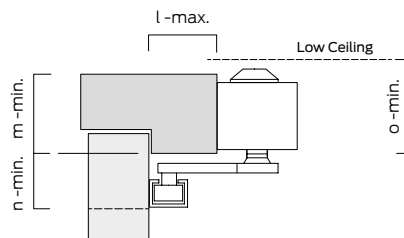


Parallel application

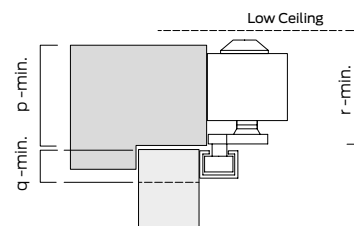
Closer with track arm and Classic cover



Door mounted - pull side



Transom mounted - push side



Transom mounted - pull side

closer ref.	body cover								
	a	b	c	d	e	f	g	h	
2003									
2003V	C	10	25(36)	50	28(42)	50	68	44	88(100)
2004									

closer ref.	body cover										
	i	j	k	l	m	n	o	p	q	r	
2003.T	C	7	41	50	76	50	45	68	68	22	93

please note; the figures in brackets refer to dimensions when used with mechanical hold-open armsets

Briton 2000 Series - Specification

Specification

The Briton 2000 Series is CE marked to EN 1154 (see table) and certified to EN 1634 (fire).

- Adjustable EN power sizes 1 - 4 (2003V).
- Fixed power sizes EN 3 and EN 4.
- Certifire Approved (CF111) for use on timber fire doors up to 2hr and steel doors up to 4hr.
- Die cast aluminium body with hardened steel rack and pinion mechanism.
- Accufit Installation self-adhesive template for easy installation.
- Adjustable backcheck (2003V).
- Optional mechanical hold-open facility.
- Projecting arm and slide track configurations available.
- 10 year performance guarantee for reassurance.

Product features		Product references			
EN Closer size	max. door size [width - weight]	2003	2003T	2003V	2004
1	750mm - 20kg			■	
2	850mm - 40kg			■	
3	950mm - 60kg	■	■	■	
4	1100mm - 80kg			■	■
5	1250mm - 100kg				
6	1400mm - 120kg				
CE marked		■	■	■	■
Fixed closing power EN size		3	3		4
Adjustable closing power EN size				1 - 4	
Accufit installation template		■	■	■	■
Maximum angle of opening (controlled closing)		180°	180°	180°	180°
Adjustable closing speed & latch action		■	■	■	■
Adjustable backcheck				■	
Tri-pack armset for regular, transom and parallel mounting options		■		■	■
Mechanical hold-open facility		□		□	□
Projecting arm closer		■		■	■
Slide channel and arm			■		
Cover variants available		C (classic)	C (classic)	C (classic)	C (classic)
Guarantee period		10yrs	10yrs	10yrs	10yrs
CE Classification		4 8 3 1 1 3	4 8 3 1 1 3	4 8 1-4 1 1 3	4 8 4 1 1 3

■ Standard □ Optional



The Briton 2000 Series is type tested and independently certified for conformity to all the requirements of EN 1154. It is CE marked and classified as shown in the table above.

* PLEASE NOTE: Closers with mechanical hold-open function may be CE marked but are not approved for use on fire doors.

For Declaration of Performance please go to:
www.britondops.co.uk

For full details on CE and Certifire please go to:
www.allegion.co.uk/downloads and click on Test Certificates

Briton 1100 Series – a comprehensive range of slimline medium duty overhead closers

The Briton 1100 Series is designed to provide a mid-range product with a choice of the most popular options, in a concise, cost-effective package. The Briton 1100 Series is a simple system which comprises 3 body sizes, each available as standard with a slide-in trimplate or with optional classic square or softline all-over covers.

The combinations of performance and cover options provides a highly comprehensive series of closers which can be suited across a wide range of functions and applications.

Note: All covered variants have a flatarm arm as standard. All trimplate variants have screw thread arms as standard.

The Briton 1100 Series is CE marked to EN 1154, fire tested to EN 1634 and Certifire Approved for use on timber doors to achieve a 2 hour fire rating.



Briton 1100 Series - Medium duty

Features & Benefits

- A** Cast aluminium body
 - B** Precision needle roller bearings allied with rack and pinion mechanism provides efficient operation and high levels of durability.
 - C** High quality silicon chrome alloy steel used for the coil spring.
 - D** High quality hydraulic fluid for optimum performance and long life with temperature compensation from -15 °C to +40 °C.
 - E** Screw thread armset manufactured from forged steel for additional strength and durability supplied for all trimplate variants (see below).
 - F** Available with snap joint arm for quick and easy installation and future maintenance.
 - G** All-over cover option to conceal all fixings and adjustment screws providing a neat appearance and reducing the risk of vandalism and tampering. Available in classic square or rounded softline variants.
 - H** Trimplate option is a simple and cost effective means of concealing fixing and adjustment screws reducing the risk of vandalism and tampering.
 - O** Adjustable power.
 - 1** Adjustable closing speed and ...
 - 2** Adjustable latch action provides total accuracy of adjustment of the full closing cycle.
 - 3** Adjustable strength backcheck (1120B & 1130B) minimises the risk of damage to the door, its hardware and the surrounding structure.
 - 5** Optional hold-open armset allows the door to be held in the open position for convenience.
- Not to be used on fire door applications.**



Briton 1100 Series - Adjustments



Depending on the model, each Briton 1100 Series closer contains adjustment screws which are accessible from the front face of the closer body by removing the slide in trimplate or all over cover. Closer power adjustment is accessed from the end of the closer body.

Mechanical hold-open unit

Mechanical hold-open is achieved by substituting the standard armset with a hold-open armset. It enables doors to be securely held in the open position at the required pre-set angle (adjustable on installation between 70° and 150° depending on the mounting application).

The hold-open facility can be easily overridden and the force required to release the hold-open action can be adjusted to suit the weight of door.

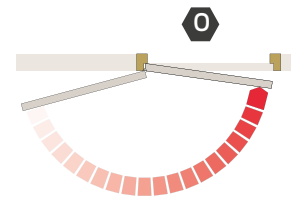
Please note, mechanical hold-open is not permitted on fire door applications.



Closer adjustments

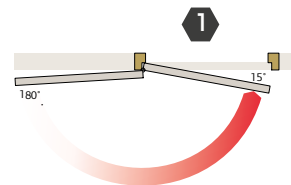
Adjustable closing power

The Briton 1100 Series offers adjustable power sizes EN 2 - 6



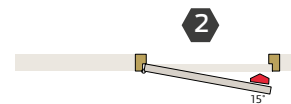
Adjustable closing speed

Adjustable from 180° opening through to the final 15°.



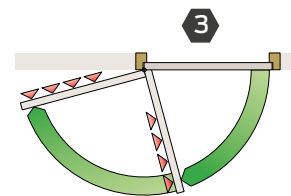
Adjustable latch action

The speed of closing in the last 15° can be adjusted to overcome seals and latches.



Adjustable backcheck

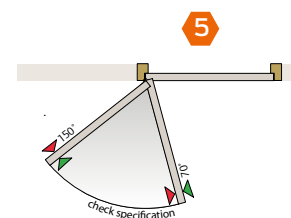
To prevent damage to the door, hardware and adjacent walls, caused by the door being flung open or caught by a gust of wind.



Adjustable hold-open

Mechanical hold-open armset option available to hold the door in the open position.

Adjustable between 70° and 150°.



With enough performance and design options to suit virtually any application

The Briton 1100 Series provides a wide choice of trimplate, classic or softline covers available in a selection of sprayed and metallic finishes which will satisfy the large majority of applications. Because of the comprehensive nature of the design and performance options, closers can be selected to suit their location in the knowledge that they will remain visually consistent throughout the building.

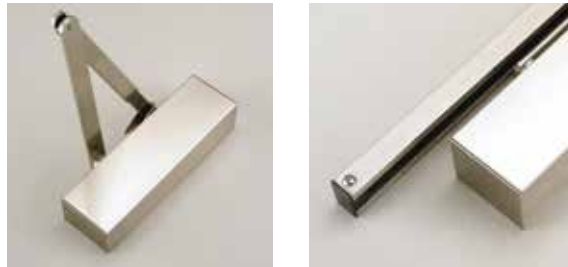
Optional softline cover

From left to right: Briton 1110.S and Briton 1130B.T.S



Optional Classic cover

From left to right: Briton 1110.C, Briton 1130B.T.C and below, Briton 1130B.TE & Briton 1130B.TE.S



Briton 1130B.TE Electro-magnetic hold-open

An electromagnet in the slide track is designed to hold the door open during normal use and is connected to the building fire alarm system. On sounding the fire alarm, or in the event of power failure, the electromagnet is deactivated and releases the door closer mechanism to close the door in the normal controlled manner.

It is particularly suited for use in areas where a standard door closer could be inconvenient or would impede the flow of people in medium or high traffic applications such as a cinema foyer or hospital corridor. The use of electro-magnetic hold-open door controls are recommended in applications which are designed to meet the levels of accessibility called for in Approved Document M Access to and use of buildings.



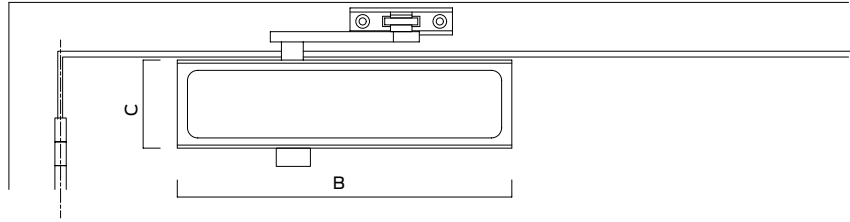
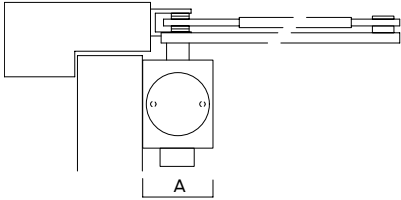
Features of the Briton 1130B.TE closer

- Designed to, and fully compliant with EN 1155.
- Satisfies the requirements of Approved Document M Access to and use of buildings.
- Fail safe electronics guarantee door release in the event of a fire or power failure.
- Track mounted 24v DC solenoid with an effective and reliable holding force.
- Manual override allows the door to be pulled closed at any time.
- On-board test switch simulates fire condition to check operation.
- Fully adjustable hold-open angle from 75° to 110°.
- 24v transformer/rectifier available.

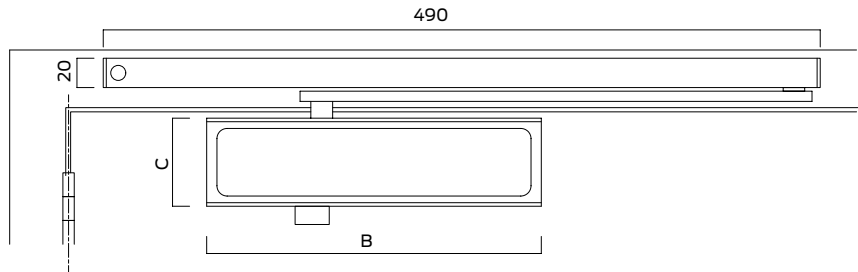
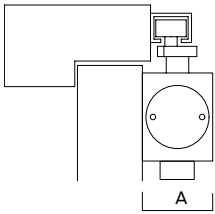
Briton 1100 Series - Specifications

closer ref.	1110	1110.T	1120	1130B	1130B.T
A	38.5	38.5	38.5	48	48
B	207	207	236	257	257
C	60	60	60	60	60

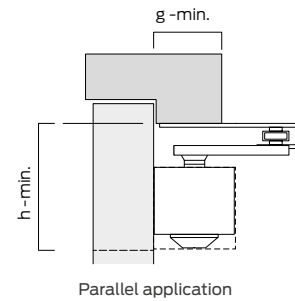
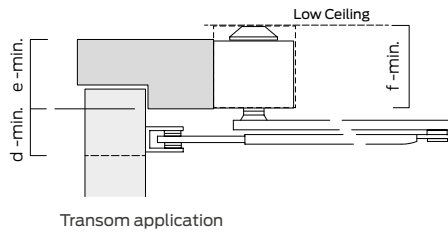
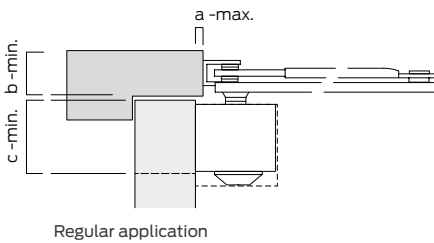
Closer with scissor arm & trimplate



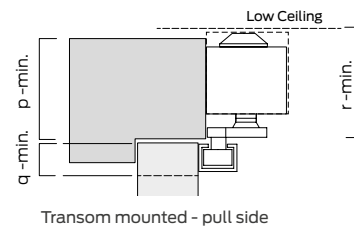
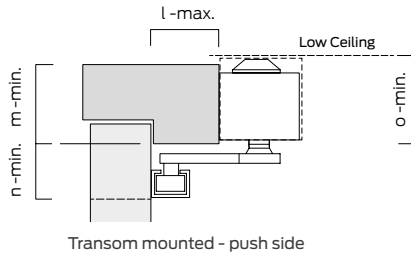
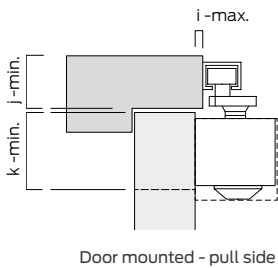
Closer with track arm & trimplate



Closer with scissor arms and Classic cover (S cover shown dotted)



Closer with track arm and Classic cover (S cover shown dotted)



closer ref.	cover	a	b	c	d	e	f	g	h
1110	C								
1120B	S	10	30(30)	80	30(43)	68	78	44	110(123)
1130B	C								
	S	10	35(35)	80	30(43)	75	75	44	110(123)

closer ref.	cover	i	j	k	l	m	n	o	p	q	r
1110.T	C										
	S	3	40	77	50	75	50	75	95	25	95
1130B.T	C										
	S	3	40	77	50	75	50	75	95	25	95

please note; the figures in brackets refer to dimensions when used with mechanical hold-open armsets.
To view Classic and S covers please refer to page 23.

Briton 1100 Series - Specifications

Specification

The Briton 1100 Series is CE marked to EN 1154 (see table) and certified to EN 1634 (fire).

- Adjustable EN power sizes 2 - 6 and 2 - 4.
- Fixed power sizes EN 3.
- Certifire Approved (CF388) for use on timber fire doors up to 2hr fire rating.
- Cast aluminium body with hardened steel rack and pinion mechanism.
- Adjustable backcheck.
- Optional mechanical hold-open facility
- Projecting arm and slide track configurations available.
- 10 year performance guarantee for reassurance.

Product features		Product references					
EN Closer size	max. door size [width - weight]	1110	1120B	1130B	1110.T	1130B.T	1130B.TE
1	750mm - 20kg						
2	850mm - 40kg	■	■	■		■	
3	950mm - 60kg	■	■	■	■	■	■
4	1100mm - 80kg	■	■	■		■	■
5	1250mm - 100kg			■			
6	1400mm - 120kg			■*			
CE marked		■	■	■	■		■
Fixed closing power EN size					3		
Adjustable closing power EN size		2 - 4	2 - 4	2 - 6*		2 - 4	3 - 4
Maximum angle of opening (controlled closing)		105°	180°	180°	180°	180°	105°
Adjustable closing speed & latch action		■	■	■	■	■	■
Adjustable backcheck			■	■		■	■
Tri-pack armset for regular, transom and parallel mounting options		■	■	■			
Mechanical hold-open facility		□	□	□			
Electro-magnetic hold-open							■
Projecting arm closer		■	■	■			
Slide channel and arm					■	■	■
Trimplate cover option		■	■	■	■	■	■
All over cover variants available		all variants available with C (classic) / S (softline) cover options					
Guarantee period		10yrs	10yrs	10yrs	10yrs	10yrs	10yrs
CE Classification		3 8 2-4 1 1 3	4 8 2-4 1 1 3	4 8 2-6 1 1 3	4 8 3 1 1 3	4 8 2-4 1 1 3	3 8 3-4 1 1 3

* Note: In parallel mounting position, power size is EN 2 - 5

■ Standard □ Optional



The Briton 1100 Series is type tested and independently certified for conformity to all the requirements of EN 1154 and EN1155 where applicable. They are CE marked and classified as shown in the table above.

For Declaration of Performance please go to:
www.britondops.co.uk

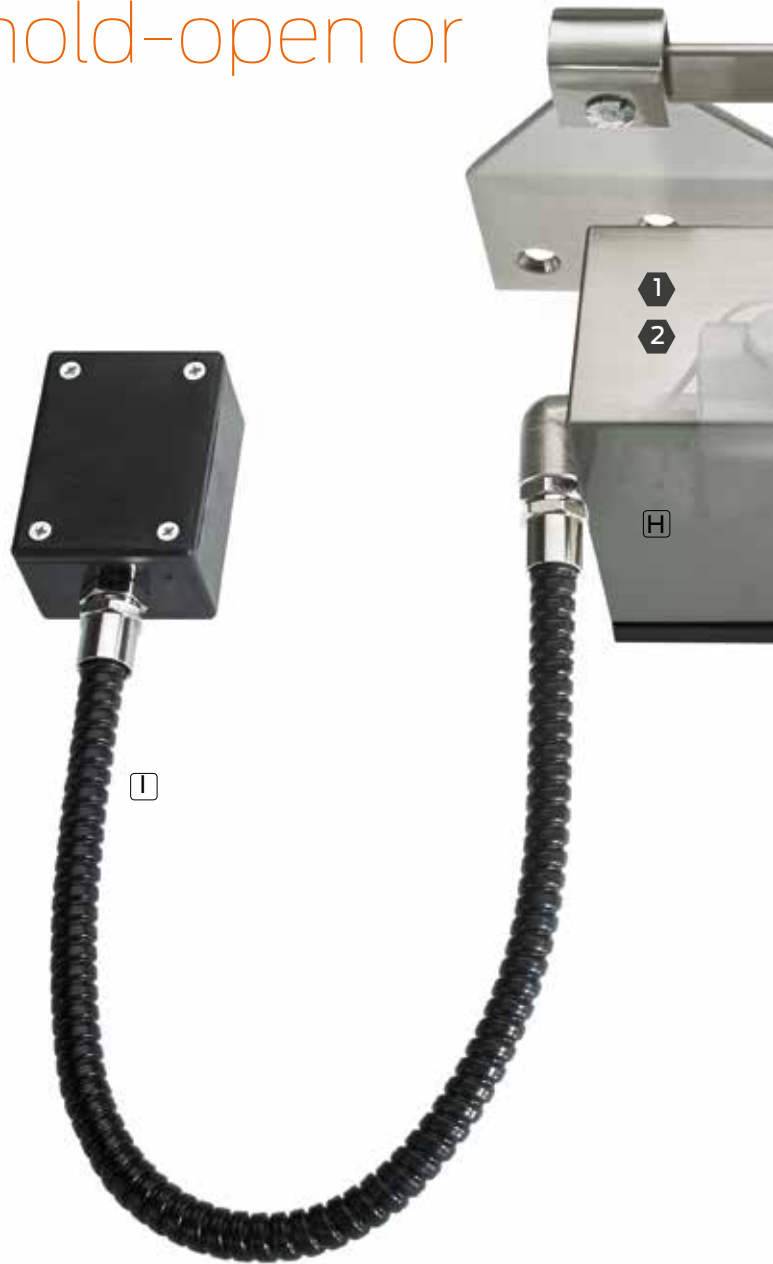
For full details on CE and Certifire please go to:
www.allegion.co.uk/downloads and click on Test Certificates

Briton 996 Series – a dedicated electro-magnetic hold-open or swing-free closer

Typically used on fire rated doors where the hold-open or swing-free feature is required either in high traffic areas for convenience or in situations where it would be difficult to satisfy the maximum opening force requirements of Part M of The Building Regulations.

The Briton 996 Series is a range of closers with an integrated electro-magnetic hold open mechanism. Each unit can be set to either 'hold-open' or 'swing-free' operation. In either case the function of the closer can be temporarily disabled to allow free passage. When de-activated via a connection to the building fire alarm or smoke detection system, the electromagnet disengages and the door closer closes the door in the normal manner to maintain fire safety.

The Briton 996 Series is CE marked to EN 1154 and EN 1155 for electrically controlled closing devices, fire tested to EN 1634 and Certifire Approved for use on timber doors to achieve a 2 hour fire rating.





Parallel mounted version illustrated

Features & Benefits

- A** Pressure die cast aluminium body giving rugged durability.
- B** Steel rack and pinion mechanism is heat treated for strength and durability.
- C** Coil springs manufactured in silicon chrome alloy steel for superior strength and reliability
- D** Unit is supplied with armset and bracket for regular or transom mounting and is self handed to reduce the number of stockholding units required. For parallel mounting please specify when ordering.
- E** Fabricated steel cover available in a range of architectural finishes which suite with the Briton 2000 and 2130 closers with Classic covers to complement a variety of door hardware ranges.
- F** 'Catch plate' can be set to operate in hold-open or swing-free operation during installation to suit individual doorset requirements within a building.
- G** Electromagnet is controlled by the building fire alarm/detector system and activates the 'catch plate' to ensure the door closes automatically in the event of a fire.
- H** Optional rear cable entry allows units to be installed with concealed cable using a separate concealed door loop to protect the closer against vandalism.
- I** Supplied with armoured power loop to run power safely from the door frame to the closer unit.
- 1** Adjustable closing speed and ..
- 2** Adjustable latch action provides total control of the full closing cycle.

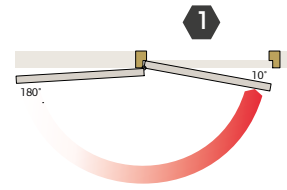
Briton 996 Series - Medium duty



When the Briton 996 is transom mounted (above) the external power loop is not required, as the power supply can be linked directly to the unit through the frame. This not only creates a more visually appealing arrangement but by eliminating the surface loop reduces the risk of damage to the unit from vandalism.

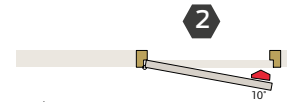
Adjustable closing speed

Adjustable from 180° opening through to the final 10°.



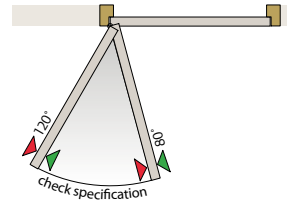
Adjustable latch action

The speed of closing in the last 10° can be adjusted to overcome seals and latches.



Adjustable hold-open

In hold-open mode the angle of hold open is adjustable from approximately 85° to 95°, and from 103° to 110° when fitted on the standard pull side of the door, from 85° to 95° when fitted to the transom, and from 65° to 85° and 90° to 105° when fitted on the push side of the door.



Power requirements

For the operation of the closer the power requirements are 24V DC, 90mA nominal. Transformers and relay interfaced to the fire alarm system can also be supplied to link the electricity supply and the fire alarm system (see chart below).

FSR Transformer/Rectifier

For use with fire/smoke check electro-magnetic door control units where 24V DC is not available for the continuous rating required. A socket is provided to accept a plug-in relay.

Transformer/rectifier	Max. no. of units
FSR4B	3
FSR20B	15
FSR50B	38
Output - full wave rectified & unsmoothed (100% ripple)	

Please note:

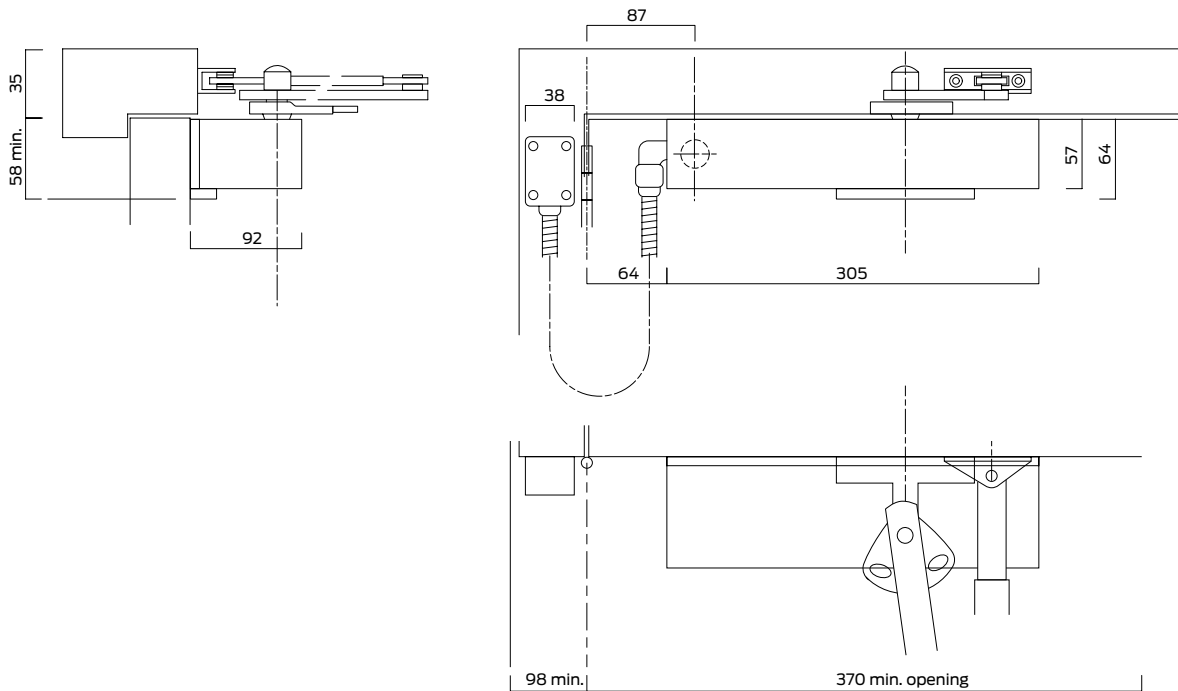
The Briton 'FSR' range of continuously rated, boxed power supplies will provide transformation/rectification of the mains supply for use with the Briton 996 Series.

It is suggested that all electro-magnetic hold open door closers be fitted with a release button close to the door frame so that the door can be released without having to manually pull the door away from the hold open mechanism.

Transformer/rectifier	Max. no. of units
FSR4C	4
FSR10C	10
FSR22C	22
Output - full wave rectified & fully smoothed	

Briton 996 Series - Medium duty

Closers with scissor arm & Classic cover



Product features		Product references					
EN Closer size	max. door size [width - weight]	9963/01	9963/66	9964/01	9964/66	9965/01	9965/66
1	750mm - 20kg						
2	850mm - 40kg						
3	950mm - 60kg	■	■				
4	1100mm - 80kg			■	■		
5	1250mm - 100kg					■	■
6	1400mm - 120kg						
CE marked (EN 1155)		■	■	■	■	■	■
Fixed closing power EN size		3	3	4	4	5	5
Max. angle of opening (controlled closing)		110°	110°	110°	110°	110°	110°
Adjustable closing speed & latch action		■	■	■	■	■	■
Regular and transom mounting		■		■		■	
Parallel mounting			■		■		■
Hold-open adjustment		■	■	■	■	■	■
Free-swing operation		■	■	■	■	■	■
Cover variants available		Classic	Classic	Classic	Classic	Classic	Classic
Guarantee period		All variants - 10yrs mechanical / 2 years electrical					
CE Classification		3 8 3 1 1 3	3 8 3 1 1 3	3 8 4 1 1 3	3 8 4 1 1 3	3 8 5 1 1 3	3 8 5 1 1 3

■ Standard □ Optional



The Briton 996 Series is type tested and independently certified for conformity to all the requirements of EN 1154 and EN 1155. It is CE marked and classified as shown in the table above.

Briton 121CE - a fully certified light duty overhead door closer

The Briton 121CE is a fixed power, compact overhead door closer which is suitable for the most common door sizes. This cost effective closer solution exhibits the characteristics of performance, durability and quality that specifiers have come to expect from a Briton door control. Fire tested to EN 1634 and Certifire approved, this CE marked closer is suitable for use on timber fire doors up to 2 hour rating. With simple, no nonsense installation, the Briton 121CE comes with a screwthread armset as standard.



Mechanical hold-open unit

Mechanical hold-open is achieved by substituting the standard armset with a hold-open armset.



Briton 121CE - Light duty closer

Features & Benefits

- A** Pressure die cast aluminium body with sprayed paint finish with matching armset.
- B** Hardened and ground steel rack and pinion mechanism for smooth efficient operation.
- C** High quality hydraulic fluid for optimum performance and long life with temperature compensation from -15°C to +40°C.
- D** Screw thread armset manufactured from forged steel for additional strength and durability.

Non handed design provides 180° opening / controlled closing.

Available in 4 paint finishes.

- 1** Adjustable closing speed from 180° open to 15° open.
- 2** Adjustable latch action in the final 15° of the opening cycle.
- 5** Optional hold-open armset allows the door to be held in the open position for convenience.

Not to be used on fire door applications.

Specification

The Briton 121CE is CE marked to EN 1154 (see table) and certified to EN 1634 (fire).

- Fixed EN power size 3.
- Certifire Approved (CF390) for use on timber fire doors up to 2hr.
- Die cast aluminium body with hardened steel rack and pinion mechanism.
- Optional mechanical hold-open armset.
- 10 year performance guarantee for reassurance.



The Briton 121CE is type tested and independently certified for conformity to all the requirements of EN 1154. It is CE marked and classified as shown in the table opposite.

For Declaration of Performance please go to:

www.britondops.co.uk

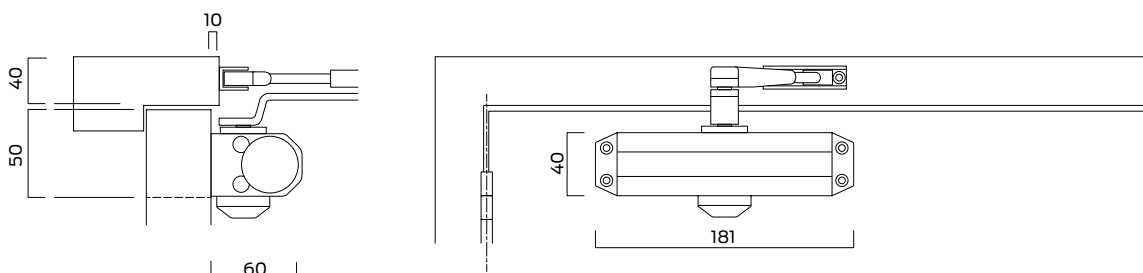
For full details on CE and Certifire please go to:

www.allegion.co.uk/downloads and click on Test Certificates

Product features		Product ref:
EN Closer size	max. door size [width - weight]	121CE
1	750mm - 20kg	
2	850mm - 40kg	
3	950mm - 60kg	■
4	1100mm - 80kg	
5	1250mm - 100kg	
6	1400mm - 120kg	
CE marked		■
Fixed closing power EN size		3
Maximum angle of opening (controlled closing)		180°
Adjustable closing speed & latch action		■
Adjustable backcheck		
Standard armset for regular and transom mounting		■
Armset and bracket for parallel mounting		□
Mechanical hold-open facility*		□
Cover variants available		No
Guarantee period		10yrs
CE Classification		4 8 3 1 1 3

* PLEASE NOTE: Closers with mechanical hold-open function may be CE marked but are not approved for use on fire doors.

Closer with scissor arm



Briton 2820 Series - a range of medium duty floor springs for single or double action doors

Briton 2820 Series Floor Springs

The Briton 2820 Series floor springs are designed for high traffic single and double action doors. They are ideally suited to:

- Timber, metal and tempered glass doors
- Areas where a discreet, high quality aesthetic is required
- Areas where a surface closer may be subject to abuse
- Applications where floor depth is limited

Performance

Briton 2820 Series floor springs are fixed power units, CE marked to EN 1154 and fire tested to EN 1634 on timber doors to achieve a 1 hour fire rating (see page 33).

Mounted within a low profile cement box, the Briton 2820 Series floor springs are suitable for single and double action doors with a maximum opening angle of 130° and with optional hold-open facility.

Application	Floor spring	Max. closing force	Max. door width
Light duty	2822*	20Nm	900mm
Med. duty	2823	25Nm	1000mm
Heavy duty	2824	33Nm	1100mm

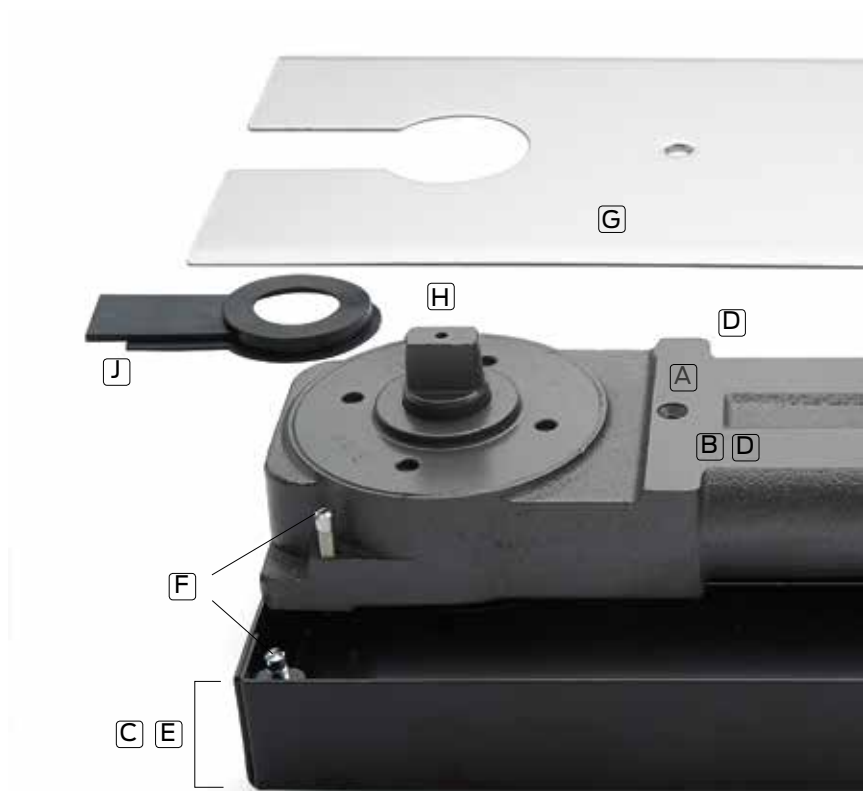
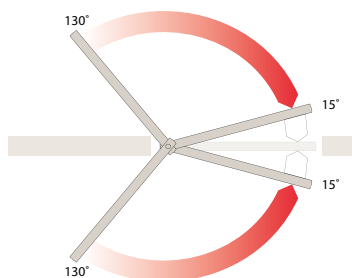
* 2822 is not CE marked

Adjustable Closing Speed

The closing speed adjustment is adjustable from 130° opening.

Adjustable Latch Action

The speed of closing in the last 15° can be adjusted to overcome seals and latches.



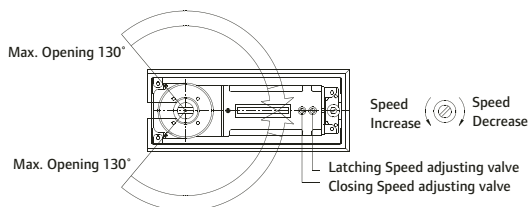
Briton 2820 Series - Floor springs



Adjustment and Alignment

With the cover of the floor spring removed, the floor spring can be adjusted within the cement box laterally and for height, by screw adjusters to give perfect door alignment.

Adjustments for closing speed and latching action are accessed from the top face of the floor spring body.



Features & Benefits

- A** High grade cast iron floor spring body.
- B** Heat treated high alloy steel mechanism with ball bearing race for optimum efficiency.
- C** Corrossion resistant galvanised steel, zinc coated and powder coated steel cement box.
- D** High quality hydraulic fluid with built-in temperature compensation ensures reliable performance in temperatures from -15°C to $+40^{\circ}\text{C}$ without the need for seasonal adjustments.
- E** Low profile cement box - only 40mm deep. Closer mechanism adjustment within the cement box for height 4mm, length 7mm and width 10mm.
- F** Full adjustment within the cement box for height and lateral positioning for perfect door alignment.
- G** Stainless steel cover plate available in satin or polished finish.
- H** Hardened steel spindle.
- I** Easy access to floor spring adjustments for closing speed and latch action. Adjusters cannot be backed out of the closer body.
- J** Spindle cover.

Briton 2820 Series - Floor springs

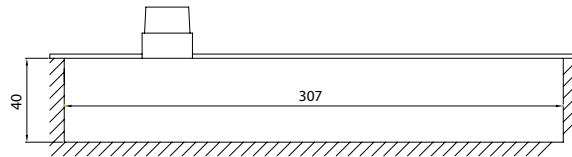
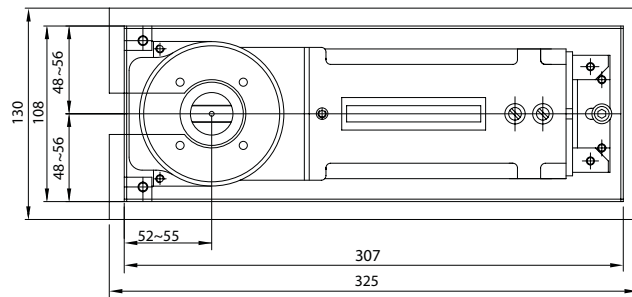
Double Action - Briton 2820 DAP

Two part top pivot accessory with lateral adjustment screw accessed from the edge of door.

Bottom strap to align with floor spring spindle.



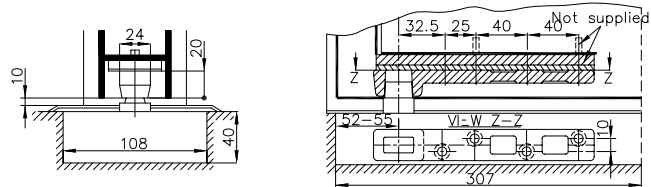
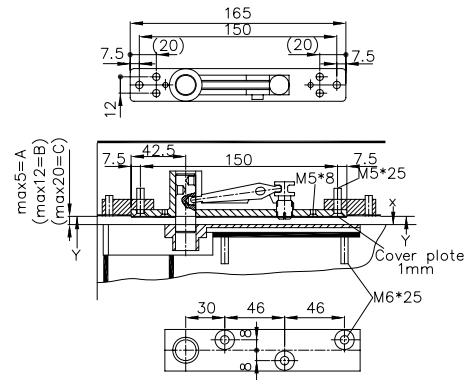
Dimensions for all Briton 2820 Series floor springs



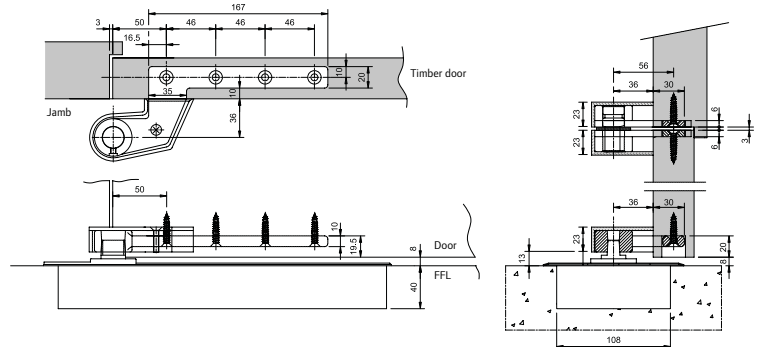
Single Action - Briton 2820 SAP

Two part top pivot accessory with cover caps. This assembly is reversible for left or right hand doors.

Bottom strap with cover cap to align with floor spring spindle.



Top Pivot



Product	Description
2820 DAP	Double action accessory pack
2820 SAP	Single action accessory pack
2820.CP.PS	Floor spring cover plate in polished stainless steel
2820.CP.SAP.PS	Cover plates (1, 2 & 3) for single action pack in polished stainless steel finish

Briton 2820 Series - Floor springs

Specification

The Briton 2820 Series conforms to EN 1154 (see table) and certified to EN 1634 (fire).

- CE marked options with fixed power sizes EN 3 and EN 4.
- EN 1634 approved for use on timber fire doors up to 1hr rating.
- High grade cast iron body with zinc coated, corrosion resistant cement box.
- Door alignment adjustments [height - 4mm; length - 7mm; width -10mm].
- Suitable for single and double action doors.
- Fully adjustable for closing speed from 130° to 15° and adjustable latch action from 15° to 0°
- Mechanical hold-open versions at 90° and 105°
- Suitable for use with glass patch fittings.
- CE marked versions have 10 year performance guarantee for reassurance.

Product features		Product references				
EN Closer size	max. door size [width - weight]	2822.SS	2823.SS	2824.SS	2823.SS.HO.90	2823.SS.HO.105
1	750mm - 20kg					
2	850mm - 40kg	■				
3	950mm - 60kg		■		■	■
4	1100mm - 80kg			■		
5	1250mm - 100kg					
6	1400mm - 120kg					
CE marked			■	■		
Fixed closing power EN size		2	3	4	3	3
Conforms to EN 1154		■	■	■	■	■
Suitable for single action doors		■	■	■	■	■
Suitable for double action doors		■	■	■	■	■
Maximum angle of opening (controlled closing)		130°	130°	130°	130°	130°
Adjustable closing speed & latch action		■	■	■	■	■
Mechanical hold-open					■ 90°	■ 105°
Dimensions	cement box 307 x 108 x 40mm; cover plate 325 x 130mm					
Cover plate in satin stainless steel		■	■	■	■	■
Cover plate in polished stainless steel		□	□	□	□	□
Guarantee period		2yrs	10yrs	10yrs	10yrs	10 yrs
CE Classification		4 8 3 1 1 3		4 8 4 1 1 3		

■ Standard □ Optional



The Briton 2820 Series is type tested and independently certified for conformity to all the requirements of EN 1154. Those that are CE marked are classified as shown in the table above.

* PLEASE NOTE: Floor springs with mechanical hold-open function may be CE marked but are not approved for use on fire doors.

For Declaration of Performance please go to:
www.britondops.co.uk

For full details on CE please go to:
www.allegion.co.uk/downloads and click on Test Certificates

Briton closer comparison



Series	121	1100						2000				
	Briton 121CE	Briton 1110	Briton 1120B	Briton 1130B	Briton 1110.T	Briton 1130B.T	Briton 1130B.TE	Briton 2003	Briton 2004	Briton 2003V	Briton 2003.T	
Performance & Features												
EN 1154 Categories	Category of Use	4	3	4	4	4	4	3	4	4	4	4
	No. of Test Cycles	8	8	8	8	8	8	8	8	8	8	8
	Door Mass/Size	3	2-4	2-4	2-6	3	2-4	3-4	3	4	1-4	3
	Fire Behaviour	1	1	1	1	1	1	1	1	1	1	1
	Safety	1	1	1	1	1	1	1	1	1	1	1
	Corrosion Resistance	3	3	3	3	3	3	3	3	3	3	3
Regular application (Power size)*	3	2-4	2-4	2-6	3	2-4	3-4	3	4	1-4	3	
Transom application (Power size)*	3	2-4	2-4		3	2-4		3	4	1-4	3	
Parallel application (Power size)*	3	3	3-4	2-5	3	2-4				1-4		
Door mounted (Pull side)					■	■	■				■	
Transom mounted (Push side)					■	■					■	
Transom mounted (Pull side)					■	■	■				■	
Floor mounted												
Timber fire doors up to	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	
Steel fire doors up to		4 hr	4 hr	4 hr	4 hr	4 hr	4 hr	4 hr	4 hr	4 hr	4 hr	
Certifire approval (Cert. No.)	390	388	388	388	388	388	388	111	111	111	111	
Adjustable power		■	■	■		■	■			■		
Adjustable closing speed	■	■	■	■	■	■	■	■	■	■	■	
Backcheck facility			■	■		■	■			■		
Delayed action												
Accufit template								■	■	■	■	
Mechanical hold-open	□	□	□	□				□	□	□		
Electro-magnetic hold-open							■					
Electro-magnetic swing-free												

* figures represent the Certifire Approved applications and the power sizes this covers.

■ Standard □ Optional

Briton closer comparison



	2100							996						2820				
	Briton 2110	Briton 2110.T	Briton 2120B	Briton 2130B	Briton 2130BD	Briton 2130B.T	Briton 2130B.TE	Briton 9963/01	Briton 9963/66	Briton 9964/01	Briton 9964/66	Briton 9965/01	Briton 9965/66	Briton 2822	Briton 2823	Briton 2824	Briton 2823.HO.90	Briton 2823.HO.105
	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4			
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	2-4	3	1-4	2-6	2-6	2-4	3-4	3	3	4	4	5	5	3	4			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	2-4	3	1-4	2-6	2-6	2-4	3-4	3		4		5		2	3	4	3	3
	2-4	3	1-4	2-6	2-6			3		4		5						
	2-4	3	1-4	2-5	1-5				3		4		5					
		■				■	■											
		■				■												
		■				■	■											
														■	■	■	■	■
	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr	2 hr		1 hr	1 hr		
	4 hr		4 hr	4 hr	4 hr	4 hr	4 hr											
	111	111	111	111	111	111	111	390	390	390	390	390	390					
	■		■	■	■	■	■											
	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
			■	■	■	■	■											
	■	■	■	■	■	■	■											
	□		□	□	□												■	■
							■	■	■	■	■	■	■					
								■	■	■	■	■	■					

Accessibility legislation

Access For All

Improved accessibility in and around a building is becoming an increasing requirement in many environments. For some building users a self-closing fire door can become a barrier – or at least an obstacle. Many countries are introducing laws or building regulations to ensure building owners take reasonable measures to avoid this situation. The Briton cam action door closer helps the building owner meet his responsibilities and enhances user experience.



Opening v Closing Forces

For accessibility, Approved Document M and BS8300 stipulate opening forces whereas for fire safety, EN 1154 quotes closing moment. The two forces are not comparable.

Doors which need to be fire resisting must satisfy both the requirements of the maximum opening force for accessibility and minimum closing moment for fire safety. Non fire resisting doors only need to satisfy the maximum opening force requirements of BS8300.

BS8300 Incorporating Amendment No.1 – 7.3.1 states:

"For disabled people to have independent access through single or double swing doors, the opening force, when measured at the leading edge of the door, should not be more than 30N from 0° (door in the closed position) to 30° open, and not more than 22.5N from 30° to 60° of the opening cycle."

"The ability of a controlled door closing device to close effectively while keeping within the opening force limits depends on its efficiency and the resistances from edge seals, hinge friction, latch resistance and differential air pressure. The opening force should be checked using a plunger type force measuring instrument."

Maintenance

Door closers are crucial to the safety of a building and its occupants and consequently the correct operation of the door should be checked regularly against the effects of wear & tear and abuse.

- Only non corrosive and non abrasive cleaning agents should be used.
- Check all fixings are secure and make a visual check for faults and wear
- Check the correct functioning of the door; that the door closes properly into the frame and the latch, if fitted, secures the door firmly in position
- Make any adjustments as necessary for closing power/closing speed and latch action
- Lubricate all external moving parts on the arm and pivot linkage
- Ensure the closer is clean and free from all debris
- For electro-magnetic hold-open closers ensure the system is operating correctly by using the test button located on the underside of the track

Briton closer finishes

Many of the Allegion overhead door closers are available in a range of finishes. In most cases they are supplied with matching arms and brackets or slide tracks. Please note, due to the limitations in printing these swatches are shown for illustrative purposes. Please check your choice of finish against product samples.

Electroplated metallic finishes



satin stainless steel (SSS)



polished stainless steel (PSS)



polished brass (PBS)

Standard sprayed finishes



silver (SES)



gold (GES)



sprayed brown (BES)



sprayed white (WHS)

Coloured finishes



white 19
NWH
RAL-DS 000 95 00



manhattan 67
NMG
RAL-DS 080 70 05



dark grey 18
NDG
RAL-DS 000 35 00



black 16
NBL
RAL-DS 000 15 00



yellow 22
NYE
RAL-DS 080 80 90



green 13
NGR
RAL-DS 160 30 38



red 12
NRE
RAL-DS 030 30 45



slate blue 63
NSB
RAL-DS 240 50 15



dark blue 37
NDB
RAL-DS 270 20 25



blue 11
NBU
RAL-DS 270 30 40

Finish selector		2100 Series	2000 Series	1100 Series	996 Series	121 Series	2820 Series				
		Classic cover	S cover	L cover	Classic cover	Trimplate	Classic cover	Softline cover	Classic cover	No cover	Cover plate
Metallic finishes	SSS	■	■	■	■		■	■	■		■
	PSS	■	■	■	■		■	■	■		□
	PBS	■	■	■	■		■	■	■		
Sprayed finishes	SES	■	■	■	■	■			■	■	
	GES	■	■	■	■	■	■	■	■	■	
	BES				■					■	
	WHS									■	
Colour	All as listed	■			■						
		2130 variants only									

■ Standard □ Optional

Cl/Sfb	(31.59)	X	
Uniclass	L4181		

May 2015

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries.

For more, visit allegion.com



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