

Technical Services Department | **FREEPHONE 0800 834 102**

For assistance with:
Product Selection
Installation and Troubleshooting
Testing and Certification

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Briton

Kryptonite

LCN

Legge

Locknetics

Normbau

Randi

RSI

Schlage

Von Duprin

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Briton

Overhead Contract Door Controls 2000, 1100 and 121 Series





Security & Safety with Style

When specifying a product from IR you can be assured that an uncompromising attention to detail has been given to every stage of 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, IR has an unrivalled track record in satisfying the demands of architects, designers, specifiers and building contractors throughout the world.

IR manufactures a portfolio of market leading products, including Briton, the UK's number one brand of door controls. The Briton name is synonymous with high quality design, reliability and durability and is at the forefront of supplying products that meet the new European CPD requirements.



FM 00401



EMS 66705



Briton

Door controls and security products

Normbau

Coloured nylon design systems

Legge

Security products

In addition to Briton, IR produces an extensive series of coloured nylon and stainless steel products which are manufactured in the company's German facility under the Normbau brand. The range incorporates lever and pull handles as well as complementary accessories and products for people with special needs.

As well as its extensive product range, IR provides tailor made packages supported by specification, installation and maintenance advice.

Briton Overhead Door Closers

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.



Level 5 - Electromagnetic & Low Energy Operators

Refer to Briton 2100 Series, Briton 996 Series and Briton Quantum product information

Level 4 - Severe Heavy Duty Mechanical Door Controls

Refer to Briton 2100 Series and LCN 4000 Series product information

Level 3 - Heavy Duty Mechanical Door Controls

Refer to the Briton 2000 Series on page 3 of this brochure

Level 2 - Medium Duty Mechanical Door Controls - with options

Refer to the Briton 1100 Series on page 7 of this brochure

Level 1 - Low-Medium Duty Mechanical Door Controls - no options

Refer to the Briton 121 Series on page 11 of this brochure

The Briton Contract Series has been created to offer a comprehensive package of door closers at Levels 1 - 3, to suit a wide variety of door applications. The Series combines engineering quality, good looks and a range of cost options, with three performance levels, a range of cover options and over 20 finishes – to create a truly versatile range of door closing solutions.

Level 3 - Briton 2000 Series

The Briton 2000 Series includes the UK's number one door closing product, the Briton 2003. The complete Briton 2000 Series includes a wide range of power sizes and applications offering a comprehensive package of solutions to suit most door closing applications.

The Briton 2000 Series comprises:

- Fully certified to EN1154, EN1634, CE Marked and Certifire Approved CF111
- Fixed power sizes 2, 3 & 4
- Regular, Parallel and Track arm variants
- Xact-Fit installation system for all models
- Best selling Classic 'C' cover – with colour-matched armsets
- Range of over 20 finishes
- Ability to suite with Briton 2100 Series for door sizes greater than 1100mm or applications requiring backcheck or delayed action



Briton 2003 with track arm

Level 2 - Briton 1100 Series

The new Briton 1100 Series is designed to provide a mid-range product with the choice of the most popular options, in a concise, cost-effective package.

The Briton 1100 Series includes:

- Fully certified to EN1154, EN1634, CE Marked and Certifire Approved CF388
- Template adjustable power sizes 2-4 (Briton 1110) and adjustable power sizes 2-4 with backcheck (Briton 1120B)
- Regular and Parallel arm variants
- 2 standard trimplate finishes
- 5 optional covers with black, silver or gold armsets



Briton 1110 with optional cover

Level 1 - Briton 121 Series

The Briton 121 Series provides a compact door closer – to suit fire doors and non fire doors. This series is an ideal solution for low traffic areas, where doors need to be self closing, for either fire protection or convenience.

- Fully certified to EN1154, EN1634 and CE Marked (Briton121CE - for fire doors)
- Non-Fire Door variant also available (Briton 121)
- Fixed power size 3 (121CE for fire doors) or template adjustable power sizes 2-4 (121 for non-fire doors)
- Regular arm variant – with optional parallel and hold open arms and brackets available
- Range of 4 standard finishes with matching armsets



Briton 121



Briton Overhead door closers



Door closers are used for a number of reasons:

- to maintain security on external doors by ensuring the door remains closed or locked after each use.
- to sustain a weather seal on external doors when closed.
- to retain privacy on internal doors.
- to prevent smoke/fire from spreading, maintaining the integrity of designated fire doors.

The door closer you specify on a fire door can be an important link in the security and safety of the building and its occupants. It is an essential element in controlling the spread of fire and smoke, to enable safe evacuation.

To be effective therefore a fire door must close firmly and securely into the frame and be held there until the intumescent seal is activated, leaving no escape route for flames or deadly smoke.

And it must do this **every time** the door is opened.



Design Considerations

Door size & weight - The closer power must be adequate to fully close the door on which it will be used. A table of closer power/door sizes can be found on the product selector chart for each door closer series.

External applications - External conditions are subject to wide variations in wind pressure which will affect the door closing function. Adjustable power closers are recommended in these situations.

Schools & prisons - Areas renowned for misuse and abuse where the arms can be used as a means of recreation or in extreme cases as a weapon or for self inflicted harm. For these situations non-projecting track arm closers are the ideal solution.

Busy thoroughfares - To avoid hampering or impeding traffic in busy areas ie. hospitals and hotel corridors, the best solution is to use an electromagnetic hold open closer. These door closers not only help ease the free flow of people in busy environments but the unnecessary risk of doors being 'propped open' unlawfully is virtually eliminated.

Smoke & draught seals - The use of seals on external doors and on internal fire doors is commonplace. Because the closer must overcome these seals it is important to specify seals that offer minimum resistance.

In view of the complex nature of these conflicting performance requirements we strongly recommend you discuss any individual cases with our Technical Services Department on **0800 834 102**.

Briton 2000 Series

The Briton 2000 Series of closers is a compact range of small bodied, fixed strength closers in sizes 2 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.



2003.T with classic cover in satin stainless steel (SS) finish with matching track and arm



The Briton 2000 Series has the economy of fixed strength but without compromising quality or performance.





Briton 2000 Series Features

Designed to and fully compliant with EN 1154 and 'best practice' codes for performance, reliability and safety. (See page 16 for more information)



CF111



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**)

Stylish flat form arm in finish to match door closer cover

The mechanism is safety valve protected to prolong the life of the closer against abuse and misuse

Cast aluminium body

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 (see page 15)

Forged, heat treated and ground steel piston for rugged durability

Briton badge of authenticity

Separate latch action and closing speed adjustment provides total accuracy of adjustment of the full closing cycle

High quality hydraulic fluid with in-built temperature compensation ensuring reliable operation in temperatures from -15°C to +40°C

Steel rack and pinion mechanism is heat treated for strength and durability

Precision needle roller bearings for optimum performance and efficiency

Xact Fit template increases the accuracy of installation and helps to reduce installation time

Power shoe supplied as standard can be reversed to provide an additional 15% power boost during the last few degrees of closing





Briton 2003.T with track arm

The Briton 2000 Series is a compact range of fixed strength, small bodied closers which have a long history of specification throughout the world. Built to the exacting standards which epitomise a Briton door control the Briton 2000 Series now features a 'low-tac' fixing template to simplify and speed up installation using the X-act Fit process. The Briton 2000 fixed strength closers can also be fully suited with the following heavy duty adjustable closers with Classic covers, from the Briton 2100 Series:

- Briton 2130B (originally Briton 2515E)
- Briton 2130BD (originally Briton 2715)
- Briton 2130B.T (originally Briton 2514TE)
- Briton 2130B.TE (originally Briton 2934TE)

For further details on the Briton 2100 Series please see page 17 or the full Briton 2100 Series product brochure.



The Classic cover of the Briton 2000 Series is available in the same high quality finishes as the Briton 2100 series. Supplied with matching arms and brackets, the Briton 2000 Series is available in satin stainless steel, polished stainless steel, polished brass and a range of powder coated finishes including metallic colours and colours to match Normbau Nylon hardware. See page 16 for further information.



Classic covers



Briton 2000 Series Selector

Product selector

product features		product references Briton 2000 Series					product references Briton 2100 Series			
closer size	max. door size width - weight	2002	2003	2004	2002.T	2003.T	2130B	2130BD	2130B.T	2130B.TE
1	750mm - 20kg									
2	850mm - 40kg	●			●		●	●	●	
3	950mm - 60kg		●			●	●	●	●	●
4	1100mm - 80kg			●			●	●	●	●
5	1250mm - 100kg						●	●		
6	1400mm - 120kg						●	●		
main features		2002	2003	2004	2002.T	2003.T	2130B	2130BD	2130B.T	2130B.TE
CE Marked			●	●		●	●		●	●
Self adhesive low-tac template		●	●	●	●	●	●	●	●	●
Fixed strength or adjustable		fixed	fixed	fixed	fixed	fixed	adjust.	adjust.	adjust.	adjust.
Power adjustment method		n/a	n/a	n/a	n/a	n/a	wind thru	wind thru	wind thru	wind thru
Angle of opening/controlled closing		180°	180°	180°	180°	180°	180°	180°	180°	110°
Separate latch action/closing speed		●	●	●	●	●	●	●	●	●
Adjustable backcheck							●	●	●	●
Adjustable delayed action								●		
In-built temperature compensation		●	●	●	●	●	●	●	●	●
Manual hold open option		●	●	●			●	●		
Non projecting slide track arm set					●	●			●	●
Matching track and/or arm finish		●	●	●	●	●	●	●	●	●
Tri-pack for Fig.1, Fig.61 & Fig.66		●	●	●			●	●		
Non handed, for LH or RH applications		●	●	●	●	●	●	●	●	●
Cover options (Classic)		●	●	●	●	●	●	●	●	●



The Briton 2000 Series door closers are successfully type tested and independently certified for conformity to all the requirements of EN 1154.

They are CE marked and coded as shown opposite (Figures in brackets indicate the range of codings where the higher numbers indicate a higher rating).

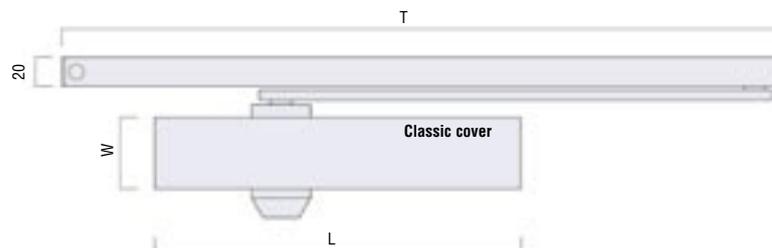
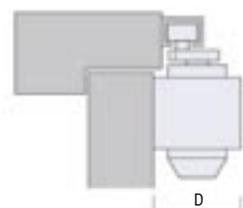
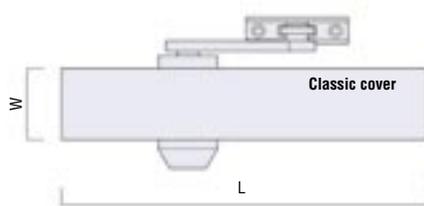
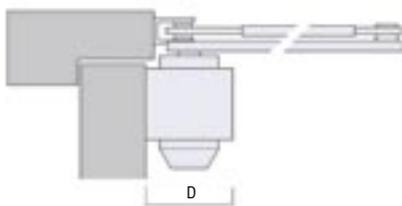
For further information on EN 1154 and CE please see page 16.

CE marking applies to closers used in Fig.1 and Fig.61 applications (see page 14). For all other applications please call our **Technical Services Department on 0800 834 102**

	EN classifications range shown in brackets					
	(3/4)	(8)	(1-7)	(0/1)	(1)	(0/4)
2003, 2003.T	4	8	3	1	1	3
2004	4	8	4	1	1	3
2130B	4	8	2-6	1	1	3
2130B.T	4	8	2-4	1	1	3
2130B.TE	3	8	3-4	1	1	3

PLEASE NOTE, The following items are NOT CE marked:
All closers fitted in Fig.66 applications
Briton 2002, 2002.T & 2130BD
Hold-Open armsets

	EN classifications range shown in brackets					
	(3/4)	(8)	(1-7)	(0/1)	(1)	(0/4)
2002, 2002.T	4	8	2	0	1	3
2130BD	4	8	2-6	0	1	3



closer ref:	closer dimensions (mm)			
	(L)	(W)	(D)	(T)
2002, 2003, 2004 2002.T, 2003.T	249	48	59	490
2130B, 2130BD 2130B.T	310	55	66	490
2130B.TE	310	55	66	578



Briton 1100 Series Features

Designed to and fully compliant with EN 1154 and 'best practice' codes for performance, reliability and safety (see page 16 for more information)



Snap joint arm for quick and easy installation and future maintenance

Optional hold open armset allows the door to be held in the open position for convenience (**not to be used on fire door applications**)



Arm set manufactured from forged steel for additional strength and durability

Supplied with Tri-pack armset suitable for Fig.1, Fig.61, and Fig.66 applications (see page 14 for details)

Trimplate design conceals fixing and adjustment screws reducing the risk of vandalism

High quality silicon chrome alloy steel used for the coil spring

High quality hydraulic fluid for optimum performance and long life with temperature compensation from -15°C to +40°C

Precision needle roller bearings allied with rack and pinion mechanism provides efficient operation and high levels of durability

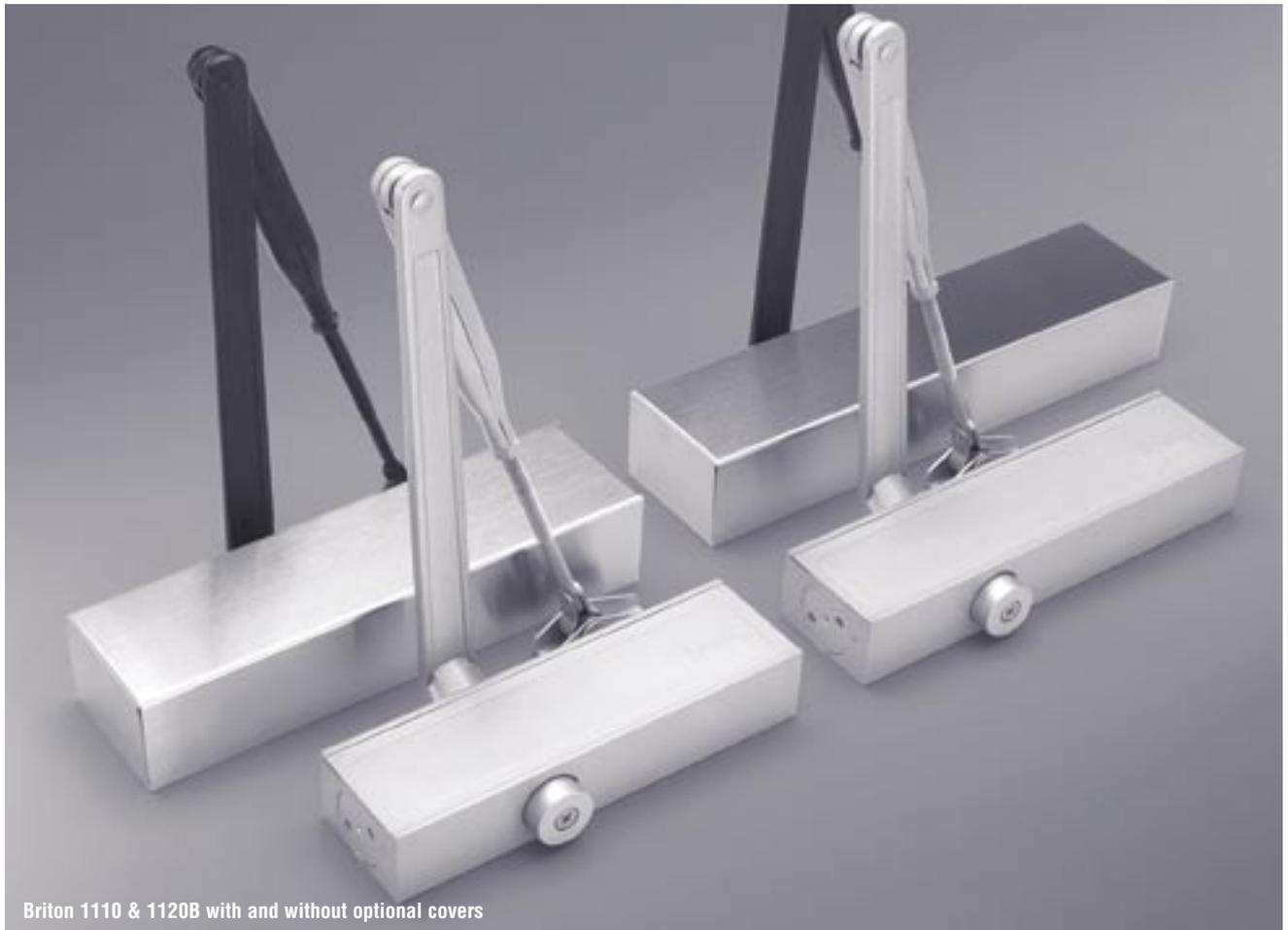


Covered version has an all-over cover to conceal all fixings and adjustment screws providing a neat appearance and reducing the risk of tampering and vandalism

Separate latch action and closing speed adjustment provides total accuracy of adjustment of the full closing cycle. Adjustable backcheck (1120B) minimises the risk of damage to the door, its hardware and the surrounding structure



Briton 1100 Series



Briton 1110 & 1120B with and without optional covers

The new Briton 1100 Series is designed to provide a mid-range product with the choice of the most popular options, in a concise, cost-effective package. The Briton 1100 Series is a simple system which comprises 2 body sizes, each available as standard with a slide-in trimplate or with an optional all-over cover.

Finish options

Basic Trimplate versions for Briton 1110 & 1120B	Optional all-over cover note: additional covers can be used with any trimplate closer combination
Silver sprayed with matching armset (.SES)	PS - Polished Stainless Steel
Gold sprayed with matching armset (.GES)	SS - Satin Stainless Steel
Silver sprayed with black armset (.SE)	PA - Polished Aluminium
	SA - Satin Aluminium
	PB - Polished Brass

Trimplate and Cover options

The all-over cover option can be applied directly to the trimplate versions providing a means of combining different arm and cover finishes (see table opposite).



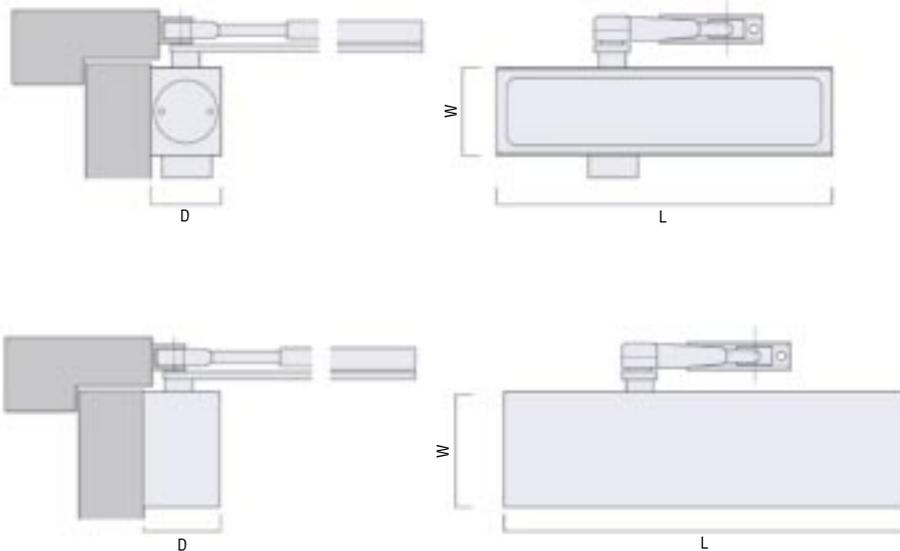
Briton 1110 with optional all-over cover in satin stainless steel (SS) with black armset.



Briton 1100 Series Selector

Product selector

product features		product references	
closer size	max. door size width - weight	1110	1120B
1	750mm - 20kg		
2	850mm - 40kg	●	●
3	950mm - 60kg	●	●
4	1100mm - 80kg	●	●
5	1250mm - 100kg		
6	1400mm - 120kg		
main features		1110	1120B
CE Marked		●	●
Body size		small	small
Method of adjustment		template	wind thru
Angle of opening		180°	180°
Separate latch action/closing speed		●	●
Adjustable backcheck			●
Manual hold open option		●	●
Matching arm finish		●	●
Tri-pack for Fig.1, Fig.61 & Fig.66		●	●
Non handed, for LH or RH applications		●	●
Trimplate		●	●
All over cover option		●	●



The Briton 1100 Series door closers are successfully type tested and independently certified for conformity to all the requirements of EN 1154.

They are marked with the CE mark and coded as shown below (Figures in brackets indicate the range of codings where the higher numbers indicate a higher rating).

For further information on EN 1154 and CE please see page 16.

CE marking applies to closers used in Fig.1 and Fig.61 applications (see page 14). For all other applications please call our **Technical Services Department on 0800 834 102**

	EN classifications range shown in brackets					
	(3/4)	(8)	(1-7)	(0/1)	(1)	(0/4)
1110	3	8	2-4	1	1	3
1120B	4	8	2-4	1	1	3

**PLEASE NOTE, The following items are NOT CE marked:
All closers fitted in Fig.66 applications
Hold-Open armsets**

Dimensions (mm)		Cover style	
		'All-over' cover	Trimplate
1110.	length (L)	245	207
	width (W)	72	60
	depth (D)	50	38.5
1120B.	length (L)	245	236
	width (W)	72	60
	depth (D)	50	38.5

Briton 121 Series



Briton 121CE

Briton 121 Series

The Briton 121 Series provides the traditional strengths of the Briton range, its quality of performance, durability and reliability in a compact economy range of fixed strength closers.





Briton 121CE & 121 Features

The Briton 121 Series comprises 2 compact overhead door closers suitable for the most popular door sizes. It has all the characteristics of performance, durability, functionality and quality that specifiers have come to expect from a Briton door control.



- The Briton 121CE is a fixed strength door closer, power size 3, which is CE Marked, Certifire Approved CF390 and is suitable for fire door applications
- The Briton 121 is template adjustable during installation to suit closer sizes 2 to 4. It is NOT CE Marked and is suitable for use in non-fire door applications only



Both products are covered by a full 10 year warranty

Strip steel armset is pressed for increased rigidity. Armset and bracket supplied is suitable for fixing in Fig.1 and Fig.61. An optional bracket is available for fixing in Fig.66 applications



Optional hold open armset has a cam action knuckle which is suitable for either hand of door. It is adjustable and will hold the door open up to 130°. Fig.66 applications require a special fixing bracket to achieve 130°

Note: Not to be used on fire door applications

Separate latch action and closing speed adjustment provides total control of the full closing cycle

Pressure die cast aluminium body has a spray paint finish with matching arms

Hardened and ground steel rack and pinion mechanism for smooth and efficient operation

High quality hydraulic fluid with in-built temperature compensation ensures reliable operation in temperatures from -15°C to +40°C

Non handed design provides 180° opening/controlled closing cycle



Fixings

Each unit is supplied with detailed installation instructions and fixing packs for timber doorsets.

Finishes

Briton 121CE and Briton 121 door closers are available in 4 spray painted finishes. All Briton 121 Series door closers are supplied with matching arms and brackets. See page 15 for further information on finishes.



The Briton 121CE door closer is successfully type tested and independently certified for conformity to all the requirements of EN 1154. It is marked with the CE mark and coded as shown below (Figures in brackets indicate the range of codings where the higher numbers indicate a higher rating). For further information on EN 1154 and CE please see page 16.

EN classifications range shown in brackets
(3/4) (8) (1-7) (0/1) (1) (0/4)

121CE **4 8 3 1 1 3**

**PLEASE NOTE, The following items are NOT CE marked:
Closers fitted in Fig.66 applications
Hold-Open armsets**

Product selector

product features		product ref:	
closer size	max. door size width - weight	121CE (fire doors)	121 (non fire door)
1	750mm - 20kg		
2	850mm - 40kg		●
3	950mm - 60kg	●	●
4	1100mm - 80kg		●
5	1250mm - 100kg		
6	1400mm - 120kg		
main features		121CE	121
CE Marked		●	
Suitable for fire doors		●	
Fixed strength or adjustable		fixed	adj.
Method of adjustment		fixed	template
Angle of opening		180°	180°
Separate latch action/closing speed		●	●
Manual hold open option		●	●
Matching arm finish		●	●

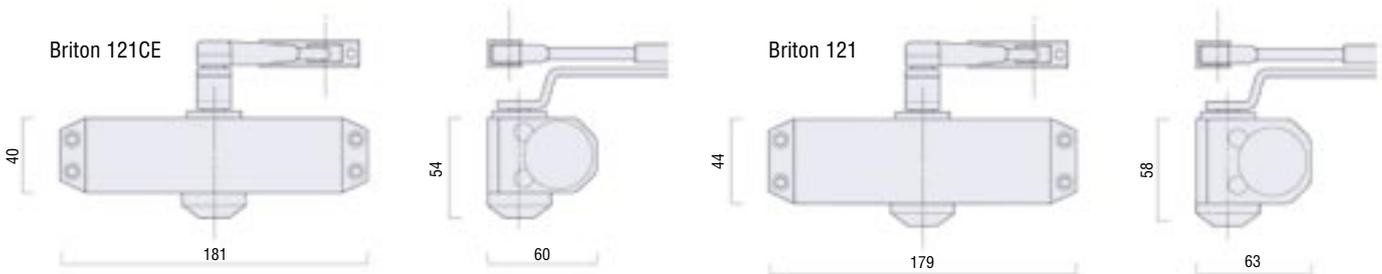
Briton 121CE & 121



Briton 121.SES in silver finish used on a non-fire door application. For all fire door applications please specify Briton 121CE models.



Briton 121.GES in gold finish with matching arms

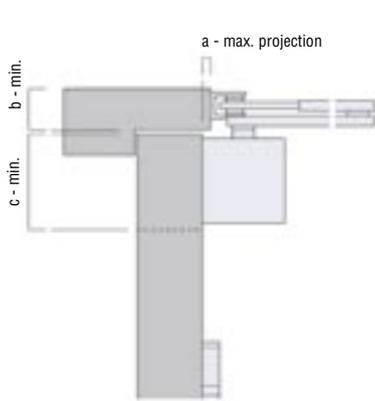




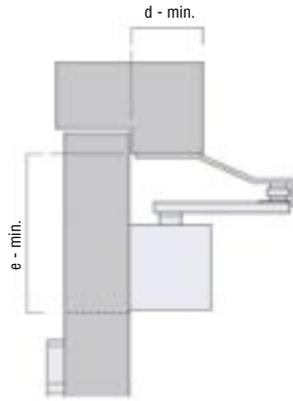
Briton Generic Applications

The following illustrations show the dimensional requirements for each individual door closer in the standard applications and track arm applications. All dimensions are in mm.

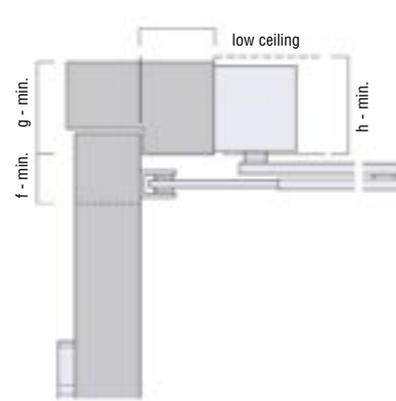
Projecting Arm Applications



Application 1
closer fixed to 'pull' side of door



Application 66
closer fixed to 'push' side of door

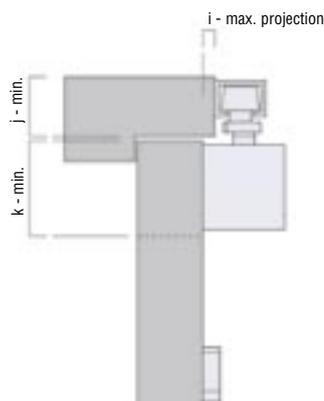


Application 61
closer fixed to transom on 'push side'

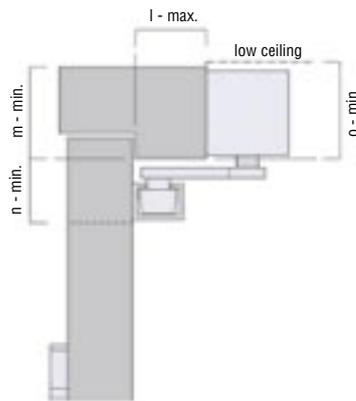
closer reference	cover style	application 1			application 66		application 61		
		a	b	c	d	e	f	g	h
Briton 2002, 2003, 2004	classic	10	25(38)	50	44	88(100)	28(42)	50	68
Briton 1110, 1120B	trimplate	10	30(30)	68	44	110(123)	30(43)	68	78
	covered	10	30(30)	80	44	110(123)	30(43)	68	78
Briton 121CE	n/a	10	40(40)	50	44	90(110)	40(40)	50	65
Briton 121	n/a	10	35(35)	55	44	90(110)	35(35)	55	70
Briton 2130B, 2130BD	classic	7	28(41)	78	44	94(107)	28(42)	50	68

note: figures in brackets are dimensional variations when used with hold open armsets

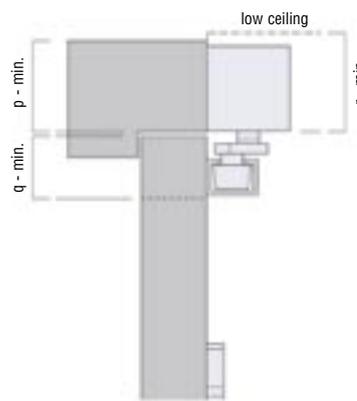
Track Arm Applications



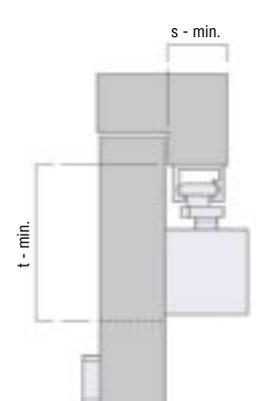
Application 30 (A)
closer fixed to 'pull' side of door



Application 30 (B)
transom mounted on 'push' side of door



Application 30 (C)
transom mounted on 'pull' side of door



Application 30 (D)
closer mounted on 'push' side of door

closer reference	cover style	application 30 (A)			application 30 (B)				application 30 (C)			app'n 30 (D)	
		i	j	k	l	m	n	o	p	q	r	s	t
Briton 2002T, 2003T	classic	7	41	50	76	50	45	68	68	22	93	-	-
Briton 2130B.T	classic	12	41	55	76	55	45	75	75	22	100	-	-
Briton 2130B.TE	classic	3	51	57	-	-	-	-	-	-	-	32	127

The Briton 2000, 1100 and 121 Series of door closers are available in a wide selection of metallic and coloured finishes which fall into 3 categories

- Metallic finishes
- Solid metal polished finishes
- Powder coated coloured finishes

The powder coated colours are specially formulated to provide a close match to the coloured solid nylon finishes of our Normbau range of door hardware.

Please note:

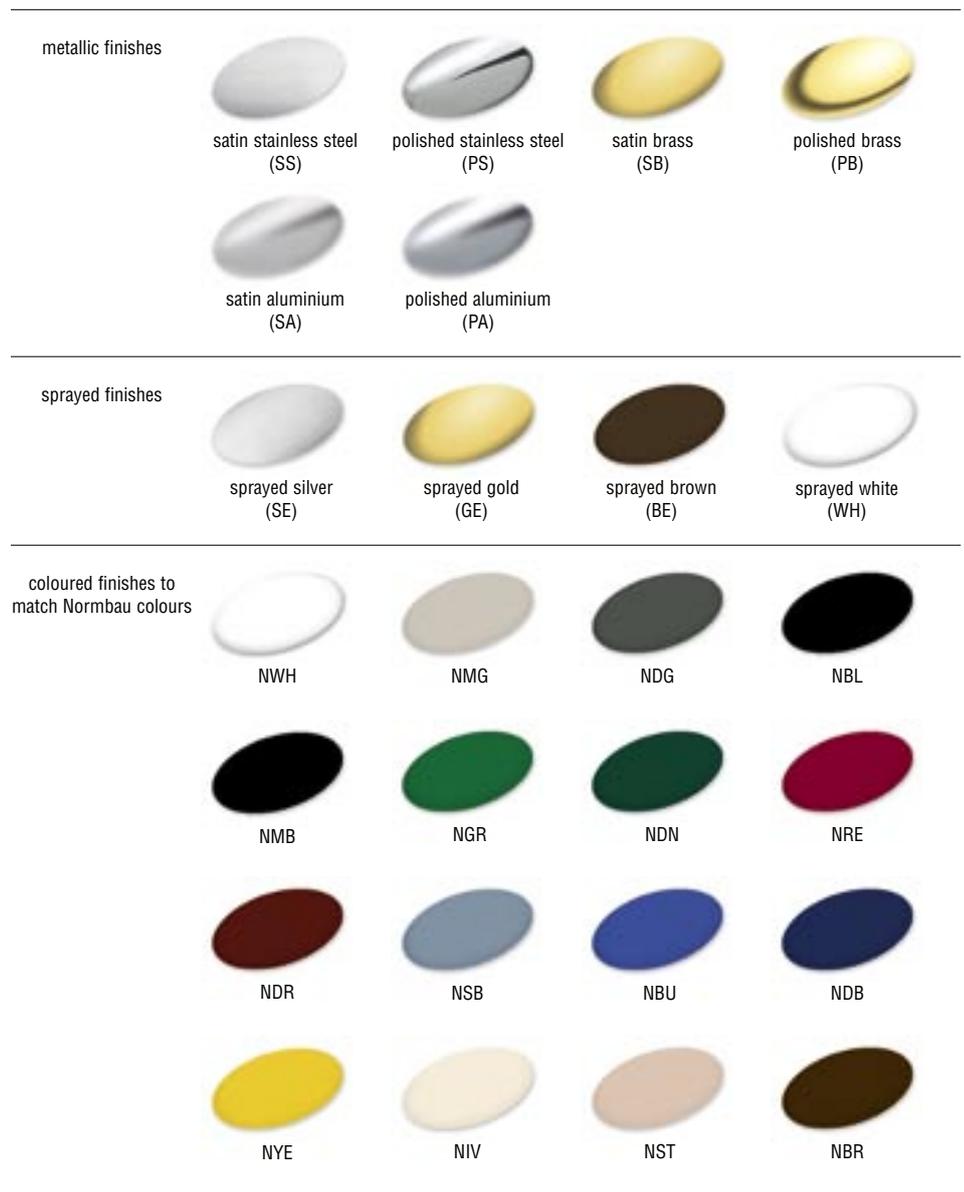
All projecting arm closers are supplied as standard with arms and closer body in a matching finish . All track arm closers are supplied with matching arm and track.

The Briton 1100 Series and Briton 121 Series have a sprayed body with powder coated armsets.

'S' after the finish code denotes matching arms.

e.g. SES - Silver with matching arms

SE - Silver with black arms



closer series:	metallic finishes	sprayed finishes	Normbau coloured finishes
2000 Series	PS SS PB	SE GE BE	all colours to order
1100 Series	PS* SS* PB* PA* SA	SE GE	n/a
121 Series	n/a	SE GE BE	(WH) as standard

* covers only

Note: Due to the limitations of the printing process please check your choice of finish against actual product.



Briton EN 1154 Explained



EN 1154 is the European standard for “controlled door closing devices” and, as such, tests mechanical door closer performance. Adopted by EU member states, it becomes a mandatory requirement for CE marking in 2004. It prescribes the test methodology and subsequent classification of randomly selected production line products. The test data, together with supporting technical evaluation, results in a classification code. This coding allows comparison across a range of closers according to their compliance with the standard.

Door closers for fire doors are covered by a Construction Products Directive mandate. Compliance with EN 1154, supported by suitable evidence, therefore allows the application of the CE mark. All conforming door closers consequently will be marked with their EN 1154 coding and details of the notified certification body.

Door controls with electrical components, such as electromagnetic hold open devices, must satisfy the requirements of both EN 1154 and the supplementary standard, EN 1155.

Category of use

Defines the angle from which the closer will close the door in a controlled manner. Grade 3 will control the door from 105°. Most Briton 2000 closers will operate from 180° - Grade 4.

4

(3/4)

Door size/mass

The number identifies the power size of the closer as defined by the door size and mass. Adjustable power closers are defined by the upper and lower power sizes.

closer size	max. door size width - weight
1	750mm - 20kg
2	850mm - 40kg
3	950mm - 60kg
4	1100mm - 80kg
5	1250mm - 100kg
6	1400mm - 120kg
7	1600mm - 160kg

8

(8)

3

(1 - 7)

1

(0/1)

1

(1)

3

(0 - 4)

Test Cycles

Included in a 500,000 cycle test as defined by Grade 8 the only grade available. However, most Briton 2000 Series closers have been tested up to 2,000,000 cycles indicating superior durability and extended product life

Fire Behaviour

Based on the results of fire testing to EN 1634 ensuring the door remains closed under temperatures which can exceed 1000°C. Grade 1 is for closers which are deemed suitable for use on fire doors. Grade 0 are not suitable for use on fire doors.

Corrosion Resistance

A salt spray test to ascertain corrosion resistance thereby establishing suitability for use in varying environmental conditions. Five grades are identified from 0 (no identified resistance) to 4 (very high resistance). All Briton door closers achieve at least Grade 3 and are suitable for use in *wet, polluted environments and most exterior applications*

Safety

The part of the Standard which ensures the operation and suitability of the closer is hazard free. It provides peace of mind that the closer operates without risk to the user. Only Grade 1 is identified.

Briton certification matrix

● certified performance

* EN 1155 standard for electrically controlled door operators

** Not 2130BD

	2002	2003 2004	2002.T	2003.T	1110 1120B	121CE	121	2130B 2130BD 2130B.T	2130B.TE
EN 1154 (500,000 cycles)	●	●	●	●	●	●		●	●
EN 1155*									●
CE Marked		●		●	●	●		● **	●
Certifire Approved		●		●	●	●		● **	●
Extended testing (2,000,000 cycles)	●	●						●	●
EN 1634 fire test (up to 2 hours)		●		●	●	●		●	●

Briton Other Door Control Products



Briton Quantum 960 low energy operator

The Briton Quantum is a power assisted, low energy swing door operator that allows users total freedom from manual door operation. It is estimated that some 14 million people in the UK experience some form of mobility difficulty, whether they are permanently disabled, temporarily hampered by injury or pregnancy, pushchairs or luggage, or becoming frail through normal aging. Briton Quantum is designed to provide safe and easy access for all users and can be installed on new or existing internal and external doors.



Briton LCN 4011 door closer

Briton LCN 4000 Series holds a deserved reputation for providing door control solutions for the most demanding applications. With a unique combination of cast iron bodied closers, 'oversized' hardened steel pistons and forged steel arms, Briton LCN closers are renowned for their durability and reliability in the most extreme conditions.

With closers tested in excess of 10 million cycles during independently verified tests, the Briton LCN 4000 Series closers are eminently suited to **'Severe Heavy Duty'** applications.



Briton 2130 with cover options 'L' & 'S'

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 Briton 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 creates a truly versatile architectural solution for even the most **'Extra Heavy Duty'** applications.

The range also includes electromagnetic models which are particularly suited to applications requiring compliance with the Disability Discrimination Act and Approved Document M of the Building Regulations.

The Briton 996 Series is designed specifically for use in areas where a conventional 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 electromagnetic hold open door closers is recommended in applications which are designed to achieve the levels of accessibility called for in the Disability Discrimination Act and to satisfy the requirements of Approved Document M (2004) of the Building Regulations.



Briton 996 electromagnetic hold-open/swing-free door control