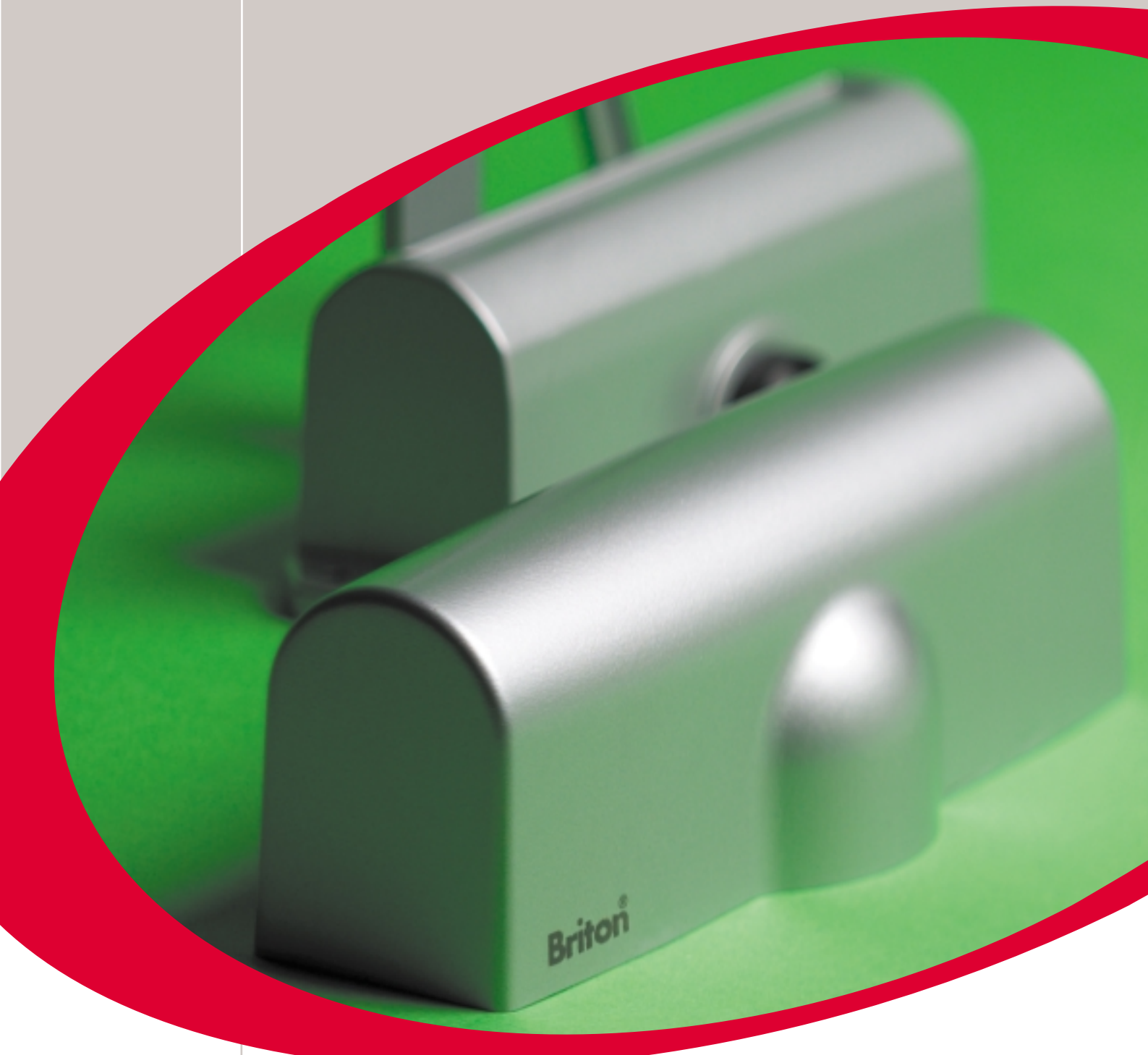


Briton®

121 series door closers



In response to market demand the Briton 121 series has been improved and extended to provide a more comprehensive range of economical closers.

All models within the 121 series have the characteristics associated with the quality, performance and functionality of other Briton products.

Fixed strength door closers suitable for the most popular door sizes. Also available with a clip on cover with concealed fixing.



Briton 121-0-2

Suitable for doors up to 850mm wide and 20kg in weight

Briton 121-0-3

Suitable for doors up to 950mm wide and 40kg in weight

Briton 121-0-4

Suitable for doors up to 1100mm wide and 60kg in weight



Briton C121-0-2

Supplied with an ABS plastic cover

Suitable for doors up to 850mm wide and 20kg in weight

Briton C121-0-3

Supplied with an ABS plastic cover

Suitable for doors up to 950mm wide and 40kg in weight

Briton C121-0-4

Supplied with an ABS plastic cover

Suitable for doors up to 1100mm wide and 60kg in weight

Finishes

All models are supplied in spray painted finishes with matching arms in the following colours.

Spray Painted



Features	121-0-2	121-0-3	121-0-4	C121-0-2	C121-0-3	C121-0-4
Strength Size	2	3	4	2	3	4
Non Handed	●	●	●	●	●	●
180° opening/controlled closing	●	●	●	●	●	●
Separate adjustment of latch action and closing speed	●	●	●	●	●	●
Temperature compensation -15°C to +40°C	●	●	●	●	●	●
Matching arms	●	●	●	●	●	●
Regular arm	●	●	●	●	●	●
Suitable for app 1 and 66	●	●	●	●	●	●
App 66 bracket available	●	●	●	●	●	●
Supplied boxed	●	●	●	●	●	●
Available pre-packed		●			●	
Hold open arm	optional	optional	optional	optional	optional	optional
Painted finish	●	●	●	●	●	●
Fire tested to BS 476 pt 22 (1hr)		●	●		●	●
Warranty - mechanical (10 yrs)	●	●	●	●	●	●

To determine which closer size you require please use the following table which shows BS EN 1154 strength sizes for closer in Application 1.

Closer size	Max Door Width	Max Door Weight
1	750mm	20kg
2	850mm	40kg
3	950mm	60kg
4	1100mm	80kg
5	1250mm	100kg
6	1400mm	120kg



Packaging

The easily identifiable and consumer friendly packaging make selecting the correct Briton 121 simple. Available as either a boxed version or a clam pack, both show the basic information required to select the right closer.

Information includes:

- Closer size for door weight and width
- Suitability for fire doors
- Product features
- Finish
- Guarantee

Technical Data

Construction

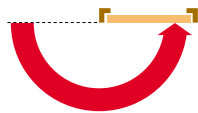
The Briton 121 closer is produced with high quality components, having a pressure die cast aluminium body, steel rack and pinion (heat treated and ground) and sintered bearings. Arm set is produced from strip steel and pressed to give a ridged configuration.

Adjustments

The Briton 121 series has independent regulators to control:

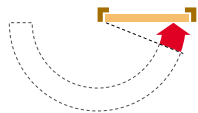
Door speed

Can be adjusted to either increase or decrease the closing speed of the door from approx. 180° to 0°



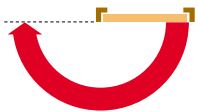
Latch action

To accelerate the door in the final stages of the closing cycle to assist in overcoming stubborn latch bolts, or air pressure conditions.



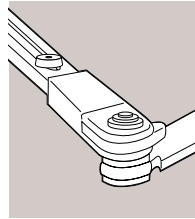
Angle of opening

Maximum angle of opening 180°, subject to the use of correct hinges and surrounding structure.



Stand open arm

For applications where the door may need to be left in a hold open position to allow for frequent slow moving traffic to pass through.



Sturdily constructed with a cam action knuckle joint and suitable for either hand of the door,

Stand open knuckle when set will hold the door open up to 130° on regular and transom applications and up to 110° maximum on parallel arm applications.

STAND OPEN ARMS MUST NOT BE USED ON FIRE DOORS.

Fire Safety

Size 3 & 4 121 series closers have either been assessed or included in successful BS476 Part 22 1987 1 hour fire tests making them suitable for use on up to 1 hour fire doors.

Fixings

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

Maintenance

All internal parts of the Briton 121 series working parts are completely immersed in oil to ensure a long working life. When used as part of a fire precaution system, check correct functioning of unit during periodic fire safety test procedures.

Check quarterly to ensure correct setting of door closing and latching speeds and that fixing screws are tight. A small quantity of light machine oil applied to the door hinges will ensure optimum performance.

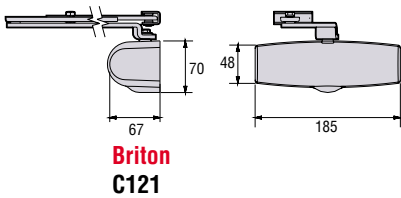
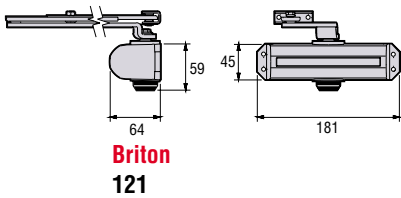
NB. A door stop should always be used to prevent the door opening beyond the limit of the closer or opening back too far and striking the door frame surround. To be effective the door stop should be fitted not less than 2/3 of the door width away from the hinge.

Guarantee

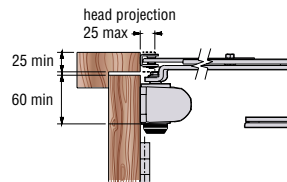


All 121 series models carry a 10 year guarantee against defects in material.

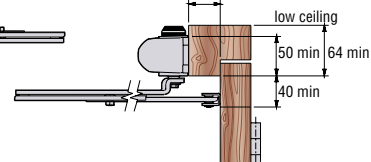
Dimensions



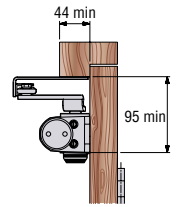
Applications



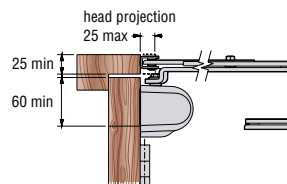
121
App 1
door mounted
(pull side)



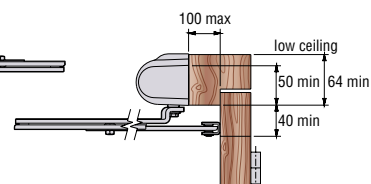
121
App 61
transom mounted
(push side)



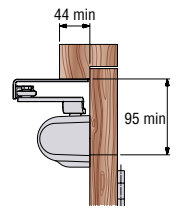
121
App 66
transom mounted
(push side)



C121
App 1
door mounted
(pull side)



C121
App 61
transom mounted
(push side)



C121
App 66
transom mounted
(push side)

The Briton 121 series can be fitted in application 1 and 61.
Optional application 66 bracket is available.

Application 1 (regular)

Closer is fixed to the pull (hinge) side of the door.

Application 61 (transom)

Closer is fixed to transom on push (opposite to hinge) side of the door.

Application 66 (parallel arm)

Closer is fixed to push (opposite to hinge) side of the door

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