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Briton®

200 series door closers



In response to market demand the Briton 200 series has been improved and extended to provide a complete suited range of distinctively designed trimplate closers.

All models within the 200 series have the characteristics associated with the quality, performance and functionality of other Briton products.



Ideal as a replacement closer the Briton 200 series has been designed to cover the fixings of popular trimplate design closers on the market.

No matter which model is being used the Briton 200 series closers all share exactly the same styling giving a uniform look throughout the building.



Briton 210
 Economical closer without the frills of backcheck and delayed action
 Template size selectable for door sizes 2-4



Briton 230
 Windthrough adjustable strength closer for door sizes 3-6
 Adjustable backcheck as standard



Briton 220T
 A non-projecting track arm closer
 Available in fixed strength size 3
 Adjustable backcheck as standard



Briton 230T
 A non-projecting track arm closer
 Wind through adjustable strength closer for door sizes 1-4
 Adjustable backcheck as standard

Briton 220
 Windthrough adjustable strength closer for door sizes 1-4
 Adjustable backcheck as standard

Briton 240
 Windthrough adjustable strength closer for door sizes 3-6
 Adjustable backcheck as standard
 Adjustable delayed action as standard



Briton 230TF
 A non-projecting track arm electromagnetic hold open door closer
 Wind through adjustable strength closer for door sizes 3-4
 Adjustable backcheck as standard

Finishes

Features	210	220	230	240	220T	230T	230TF
Strength Size	2-4	1-4	3-6	3-6	3	1-4	3-4
Non Handed	●	●	●	●	●	●	●
Small Body	●	●			●		
Large Body			●	●		●	●
180° opening/controlled closing	●	●	●	●	●	●	●
Separate adjustment of latch action and closing speed	●	●	●	●	●	●	●
Temperature compensation -15°C to +40°C	●	●	●	●	●	●	●
Adjustable backcheck		●	●	●	●	●	●
Adjustable delayed action				●			
Matching arms	●	●	●	●	●	●	●
Regular arm	●	●	●	●			
Non-projecting matching track and arm					●	●	●
Electro-magnetic hold open	n/a	n/a	n/a	n/a	n/a	n/a	●
Tri-packed for app 1, 61 and 66	●	●	●	●	n/a	n/a	●
Hold open arm	optional	optional	optional	optional	n/a	n/a	n/a
Painted finish	●	●	●	●	●	●	●
BS EN 1154 compliant*	●	●	●	●	●	●	●
BS EN 1155 compliant*							●
Fire tested to BS 476 pt 22 (1hr)	●	●	●	●	●	●	●
Warranty - mechanical (10 yrs)	●	●	●	●	●	●	●
Warranty - electrical (2 yrs)							●

* Products under test at time of going to print

Angle of opening			
210, 220, 230, 240	App 1 180°	App 61 180°	App 66 180°
220T, 230T	Door fixed Pull Side 180°	Transom Push Side 110°	Transom Pull Side 180°
230TF	Push Side 100°	Pull Side 110°	

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

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

Spray Painted



Silver (SE)



Gold (GE)



White
19 (NWH)



Manhattan
67 (NMG)



Dark Grey
18 (NDG)



Ivory
65 (NIV)



Sandstone
61 (NST)



Brown
74 (NBR)



Violet
73 (NVT)



Red
12 (NRE)



Dark Red
35 (NDR)



Slate Blue 63
(NSB)



Blue
11 (NBU)



Dark Blue
37 (NDB)



Light Green
76 (NLN)



Green
13 (NGR)



Dark Green
36 (NDN)



Yellow
22 (NVE)



Black
16 (NBL)

Technical Data

Construction

All internal components are precision engineered to ensure maximum efficiency: Small body closers have a pressure diecast aluminium body and the large body closers have an extruded body.

Rack and pinion - steel heat treated for strength and durability

Needle roller bearings - precision needle rollers for optimum performance and efficiency

Coil spring - high quality silicon chrome alloy steel

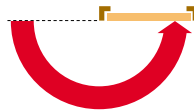
Hydraulic fluid - high quality fluid giving optimum performance and long life

Arm set - manufactured from steel strip

Adjustments

Door speed

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



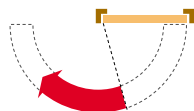
Latch action

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



Backcheck

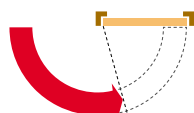
Acts as a defence mechanism when the door is forcibly thrown open preventing damage to the door and its surround. This concept prevents the door slamming into walls or furniture by cushioning the opening of the door, preventing costly damage. ie schools.



Delayed Action

Provides prolonged closing time for slow moving traffic.

This enables the door's closing to be adjusted so that when it is opened further than 75°,



the closing action can be delayed for specific periods of time providing a delay in the closing cycle for slow moving users such as the elderly, hospital porters or the disabled to pass through the doorway. ie hospitals.

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.

Track/Non-Projecting Arm

Ideal for use in areas renowned for misuse and abuse. ie prisons and schools

Electro-magnetic Hold Open

Ideal for use in busy thorough fares where the use of a self closing device can impede the steady flow of traffic. By using an electro-magnetic hold open device user convenience can be improved without affecting fire safety. ie hospital/hotel corridors

Performance Standards

All 200 series closers are currently in the process of full compliance testing in accordance with BS EN 1154.

Fire Safety

All 200 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 200 series 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.

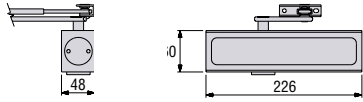
NB. A door stop should always be used to prevent the door opening beyond the limit of the closer or opening back too far and striking the door frame surround. To be effective the door stop should be fitted not less than 2/3 of the door width away from the hinge.

Guarantee

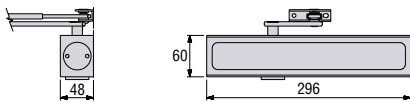


All 200 series models carry a 10 year guarantee against defects in material.

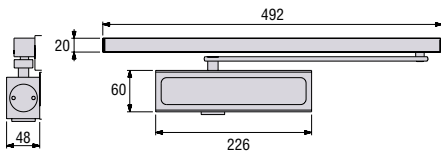
Dimensions



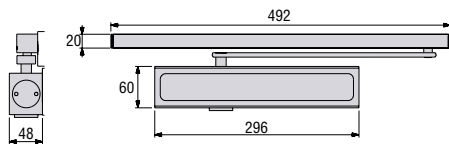
Briton
210, 220



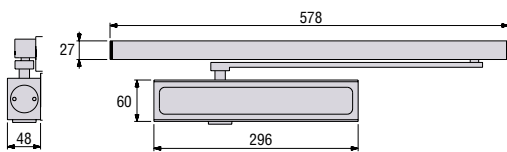
Briton
230, 240



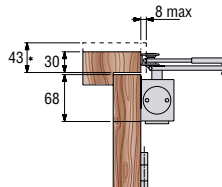
Briton
220T



Briton
230T

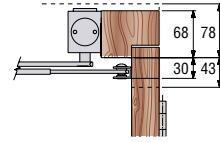


Briton
230TF



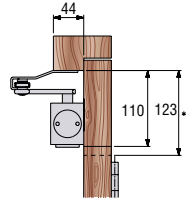
210/220/230/240
App 1

door mounted
(pull side)



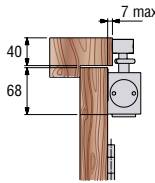
210/220/230/240
App 61

transom mounted
(push side)



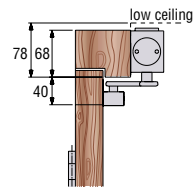
210/220/230/240
App 66

transom mounted
(push side)



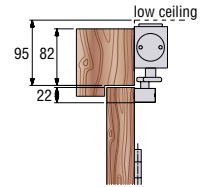
220T/230T

door mounted
(pull side)



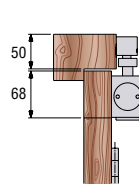
220T/230T

transom mounted
(push side)



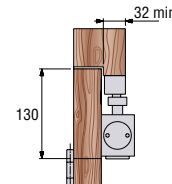
220T/230T

transom mounted
(pull side)



230TF

door mounted (pull side)

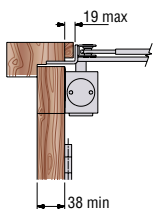


230TF

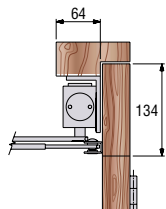
door mounted (push side)

Alternative arm brackets

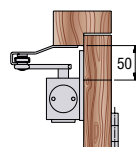
The Briton 200 series are supplied with a figure 66 bracket as standard, however brackets are also available for fixing closers to doors with over panels or ornamental architraves. Our technical support department will be able to provide further details on request.



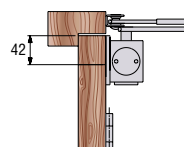
App 70 bracket
transom mounted
(underside)



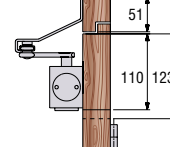
App 2 bracket
soffit mounted
(push side)



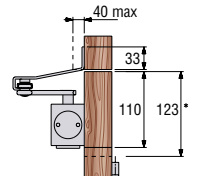
App 66 drop plate



App 1 drop plate



App 39 bracket
rebated
(over panel)



App 38 bracket
flush head
(over panel)

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