2700 Series

Cam Action Overhead Closer

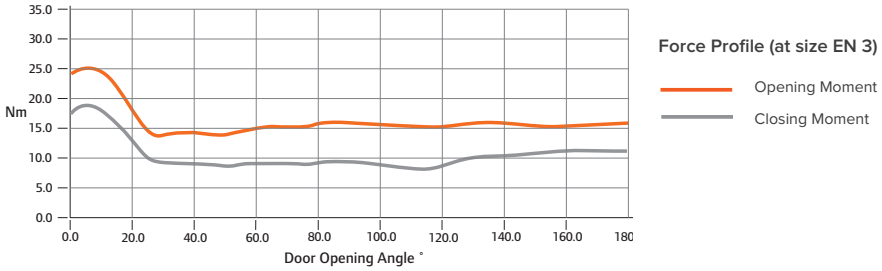
Introduction

The Briton 2700 series is a precision manufactured cam action, slide channel door closer, in a compact surface mount fixed unit. It provides expectational ease of use by reducing the resistance encountered when opening the door.

The Briton 2700 series bridges the gap between the requirements for fire and smoke control and ease of operation required for accessibility.

2720BD.T.A.SES with standard A-Line cover

2720BD.T.A.SSS with standard A-Line cover



Features & Functions

- Adjustable power size EN 2-5
- High efficiency cam action technology provides reliable closing for fire door applications and easy operation for accessibility
- Capable of meeting BS8300 requirements for use on accessible routes
- Adjustable closing speed and FAST Power Adjust dial feature allows easy power adjustment to suit door conditions
- Built-in adjustable backcheck, delayed action and hold-open functions
- Unique self-adhesive 'Accufit' installation template and mounting plate with dowel fixing to position the closer body ensures a quick, simple and accurate installation
- A-line line and Softline cover options have a 'push and click' fit secured by spring-clips for quick installation and no visible fixings

Certification

UKCA Marked to EN 1154 (1121-CPR-UK-AD7603)

UKCA Marked to EN 1155 (1121-CPR-UK-AE7611) for electromagnetic variants

CE Marked to EN 1154 (2812-CPR-AD0264)

CE Marked to EN 1155 (2812-CPR-AE0023) for electromagnetic variants

Certifire Approved (CF738)

Fire tested to EN 1634-1 for use on fire doors up to 2hr timber and 1hr steel doors *[* May be fitted to fully insulated steel based doorsets or uninsulated steel based doorsets where the closer is fitted to the fire risk face only].*

Environmental Product Declaration in accordance with ISO 14025 & EN 15804

DoP available at www.doorhardware-online.co.uk

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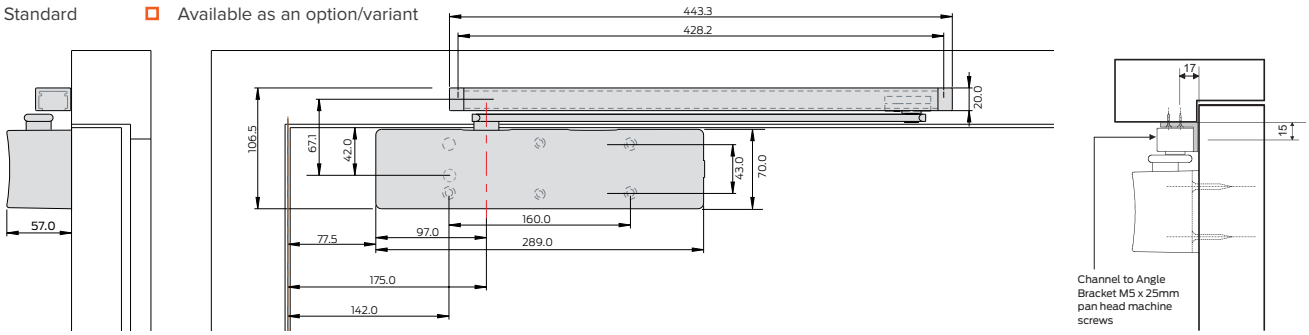
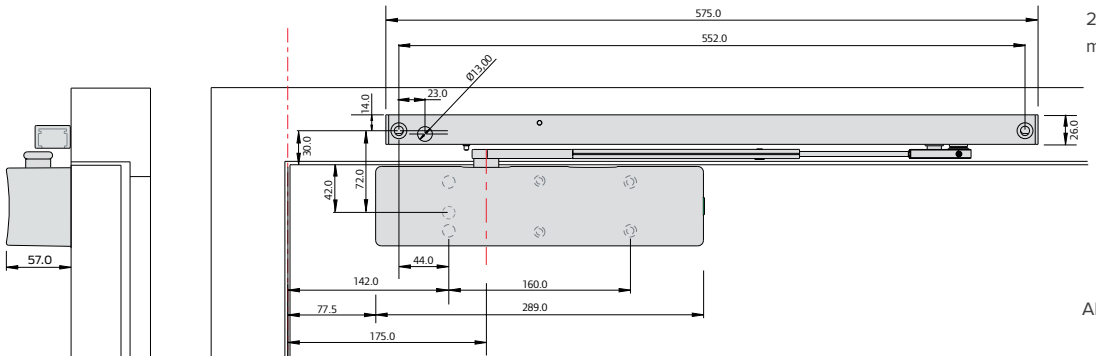
Cam Action Overhead Closer Briton 2700 Series

Product features	Product references			
	2720BD.T	**2721BD.T**	**2720BD.TE**	**2721BD.TE**
Pull side door / Push side transom mounting	■		door mount only	
Push side door / Pull side transom mounting		■		door mount only
Variable closing power EN size	2 - 5*	2 - 5	3 - 5	3 - 5
Door limits (width/weight)	1250/100kg	1250/100kg	1250/100kg	1250/100kg
FAST power adjust dial	■	■	■	■
Accufit template & Accufit mounting plate	■	■	■	■
Maximum angle of opening (pull side)	180˚	180˚	120˚	120˚
Separate closing speed & latch action adjustment	■	■	■	■
Adjustable backcheck	■	■	■	■
Adjustable delayed action	■	■	■	■
Mechanical hold-open facility	□	□		
Electromagnetic hold-open facility			■	■
Matching slide channel, arm & cover finish	■	■	■	■
Dimensions (body L x D x H mm)	289 x 57 x 70	289 x 57 x 70	289 x 57 x 70	289 x 57 x 70
Channel/slide arm	443 x 20	443 x 20	575 x 26	575 x 26
Finishes available	SSS; PSS; PBS; SES			
Warranty period	10yrs	10yrs	10yrs mechanical / 2yrs electrical	
* EN power size 2 - 4 when push side transom mounted				
CE Classification	4 8 2-5 1 1 3		3 8 3-5 1 1 3	

■ Standard □ Available as an option/variant



Standard closers with/without mechanical hold open (door mounted - pull side shown).



2721.DVP
mounting bracket

All dimensions are in mm

Electromagnetic hold-open variant (all other dimensions as standard closer)

Finishes

All finish variants are supplied with matching arm and slide track.

PBS
Polished brass

General Maintenance

2700 Series

Door controls

In research, Allegion has identified that 95% of all problems associated with overhead door closers can be attributed directly to errors in installation rather than problems with the door closer itself. If the door is not closing properly into the frame you should first disconnect the door closer (disconnect the arm(s)) and determine that there is not an underlying problem with the door, frame or any smoke / draft seals that might be fitted.

PLEASE NOTE:

The power of the door closer should not be used to overcome problems associated with the door or other items of hardware fitted to it.

Under no circumstances should the closer body be dismantled.

Types of maintenance

Much of the routine maintenance recommended consists of a combination of visual and mechanical checks, cleaning and lubrication. Look out for the icons opposite which provide a ‘quick glance’ reminder of the maintenance required.

Visual checks

Primarily making a visual check on the product and surrounding door/frame looking for wear, damage, and general condition.

Functional checks

Consists of checking that the product operates properly ensuring the door can fully close without any binding or undue force required. Check that any seals or weatherstripping do not inhibit correct operation of the door

Check fixings

Fixings need to be checked regularly and tightened when necessary. Check that no projection of fixings prevents the door from swinging freely.

Lubricating

Some products will benefit from periodic lubrication using a light machine oil or as instructed.

Cleaning

Build up of grease, dust and harmful chemicals should be removed to prevent corrosion and maintain the product finish.

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Closer Maintenance

WEEKLY

Release the door from the fully open position and ensure that it closes fully into the frame. Ensure the latch (if fitted) engages fully into the strike plate. Repeat the process a few times from different angles of opening to ensure the door closes consistently each time.

Check and adjust the closing and latching speeds if necessary.

Check the backcheck comes into operation at the desired angle and readjust if necessary.

Check the delayed action and adjust the time delay if necessary.

Check that the door or hardware does not come into contact with the door frame or the surrounding structure.

QUARTERLY

The fixings of the closer body and the slide track are subject to stress and should be checked carefully to make sure they are tight.

Periodically apply a little light machine oil to the moving joints of the arm and slide track.

Check any fire and smoke seals to ensure they do not foul the action of the door.

Check for any loss of fluid from the door closer body which would indicate a failing device.

Clean the closer body, arms and track if necessary following the guidance on “Care of Finishes” on page 16 of the ‘Service & Maintenance Guide’.

FIRE DOOR APPLICATIONS

When installed as part of a fire precaution system the door closing mechanism, including the door selector if used on a double door arrangement, should be checked in accordance with standing periodic fire testing procedures.

Electromagnetic hold-open units should be tested weekly in accordance with the procedures described in the “fire precautions (workplace) regulations 1997” or the “fire precautions (workplace) (amendment) regulations 1999”.

Routinely check that all fixings of the closer body and track are tight.

Routine care of finishes as necessary.

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Electromagnetic Hold-Open Maintenance

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In situations where a fire door in a high traffic area is fitted with a door closer an electromagnetic hold-open device may be fitted which allows the door to be held open or allowed to swing free during normal use.

However, in the event of a fire, the electromagnetic hold-open device will be deactivated allowing the door to close under the action of the door closer.

- The system is powered by a 24v supply which is normally located close to the door either in the ceiling void or convenient cupboard
- The system must be connected to a separate smoke detection system and/or the building's fire alarm system

WEEKLY

It is vitally important that the integrity of a fire door is maintained in the event of a fire. All electromagnetic hold-open devices and the ancillary equipment, including the transformer/rectifier (power supply) must be tested weekly in accordance with the procedures set out in the fire precautions regulations.

It is recommended that the following procedure be followed:

- With the door in the hold-open position simulate the fire alarm activation and check that the door is released immediately and closes fully into the frame, fully engaging the latch if fitted. The fire alarm may be simulated in a number of ways including activation of a break glass unit or by a built-in test switch on the hold-open device.
- With the door in the hold-open position switch off the power to the hold-open devices to simulate power failure. The door should be released and close fully as above.
- With the door in the hold-open position check that the door can be pulled manually off the hold-open and close fully into the frame.

ANY FAILURE OF THE DOOR TO CLOSE MUST BE RECTIFIED IMMEDIATELY

Firstly check that the failure is due to the electromagnetic device failing to release or whether the closing mechanism failed to close the door properly for some reason.

Electronic failure should be checked by a qualified technician to determine the fault.

if the closer fails to close the door properly please refer to the Door Closer section of our **'Service and Maintenance Guide'** for further information.

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