

# *astra*®

DOOR CONTROLS

*The highest possible standards. The best possible solutions.*

## Product Guide



Manufactured in the UK



# 1000 Series

Manufactured in the UK, the 1000 Series concealed hydraulic door control is a single speed mechanical door closing device incorporating a hydraulic system with adjustable latching action.

## Certification

- ✓ EN1634 approved
- ✓ For use on FD30 fire doors
- ✓ For use on FD60 fire doors

## Technical Details

- ✓ Integrated door control
- ✓ Jamb-mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## Performance

- ✓ Low powered door control
- ✓ Closing force 4° from latch 6Nm
- ✓ Opening force 4° from latch 9Nm
- ✓ Single speed single damping from 90°
- ✓ Maximum opening angle 105°

## Functions

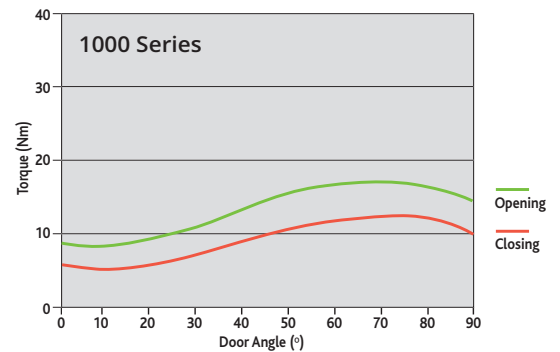
- ✓ Fixed closing speed
- ✓ Adjustable latching action
- ✓ Maintenance free

## Test Evidence

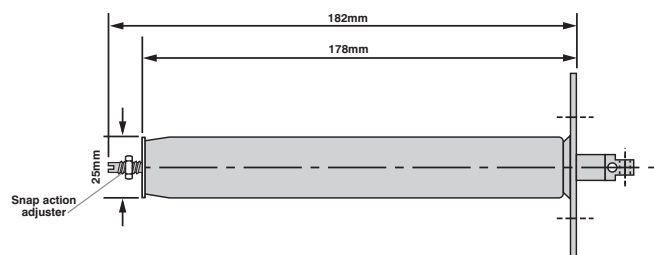
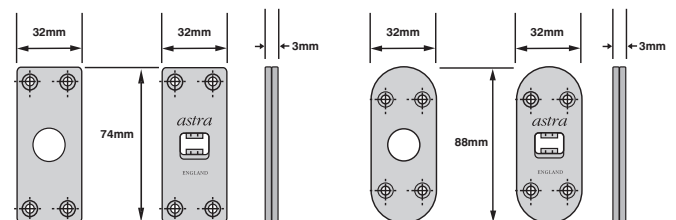
- ✓ Continuous testing 100,000 cycles
- ✓ Fire test conducted in accordance with BS EN1634-1:2000 Test report CHILT/RF06118

## Installation

Easy to fit with the 9001- approved installation kit.  
Complete instructions supplied with products and kits.  
Installation videos at [www.astradoorcontrols.com](http://www.astradoorcontrols.com)



Available in 3 different finishes with the choice of radius or square fore ends.





# 2000 Series

The 2000 Series concealed hydraulic door control offers a consistent closing action with the minimum of resistance on the opening operation. The 2000 Series has two door controls of differing power sizes, with a fixed closing speed and adjustable latching action, both manufactured in the UK

## Certification

- ✓ EN1634 approved
- ✓ For use on FD30 fire doors
- ✓ For use on FD60 fire doors

## Technical Details

- ✓ Integrated door control
- ✓ Jamb-mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## 2001 Performance

- ✓ EN power size 1
- ✓ Closing force 4° from latch 9Nm
- ✓ Opening force 4° from latch 11Nm
- ✓ Single speed single damping from 90°
- ✓ Maximum opening angle 105°

## 2002 Performance

- ✓ EN power size 2
- ✓ Closing force 4° from latch 13Nm
- ✓ Opening force 4° from latch 16Nm
- ✓ Single speed single damping from 90°
- ✓ Maximum opening angle 105°

## Functions

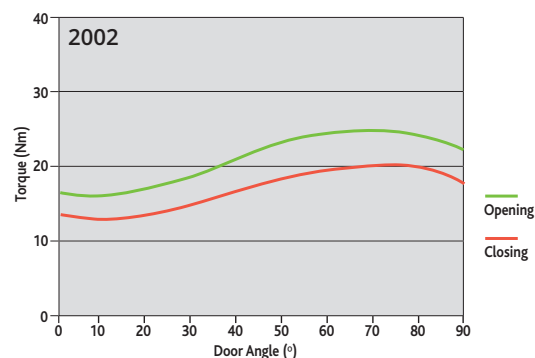
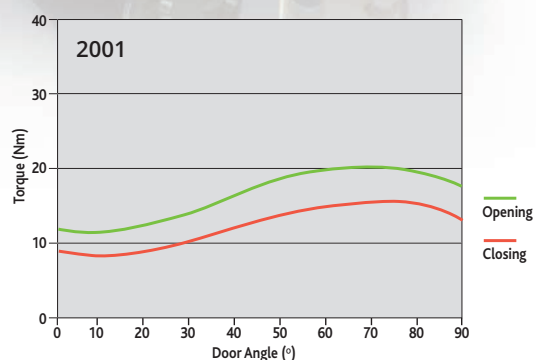
- ✓ Fixed closing speed
- ✓ Adjustable latching action
- ✓ Maintenance-free

## Test Evidence

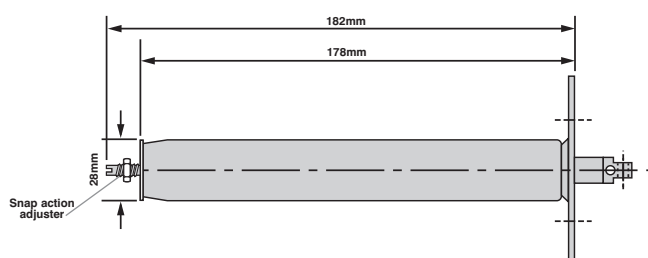
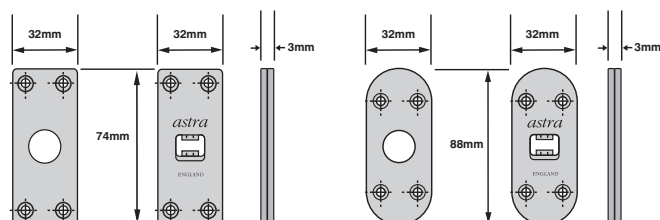
- ✓ Continuous testing 100,000 cycles
- ✓ Fire test conducted in accordance with BS EN1634-1:2000 Test report CHILT/RF06118

## Installation

Easy to fit with the 9002 - approved installation kit. Complete instructions supplied with products and kits. Installation videos at [www.astradoorcontrols.com](http://www.astradoorcontrols.com)



Available in 3 different finishes with the choice of radius or square fore ends.



# 3000 Series

The UK-made flagship Astra 3000 Series concealed hydraulic door control offers four door closers of differing power sizes with adjustable closing speed and latching action.

This series of fully controlled door closers has been developed to offer the adjustability and control of an overhead type, face fixed closer with the aesthetic appeal of a concealed device. The range of door controls meet British standards and UK Building regulations and the 3003 is tested to EN1154 and CE marked in accordance with the Construction Products Regulation. Designed to suit timber doors or GRP doorsets.

## Installation

The AST9003 installation kits will aid the installer in morticing the door blade. These kits consist of the appropriate guide and auger drill bit.

## Certifire

The Astra 3000 series jamb mounted door closers are included in the CERTIFIRE certificate, numbers CF195, CF198, CF240, CF240A, CF241, CF302, CF380, CF625.

Certifire is a recognised 3rd party test accreditation requirement for many residential developments. 3001, 3002, 3003 and 3004 meet the requirements as listed in the scope of the certificates.

## PAS 24

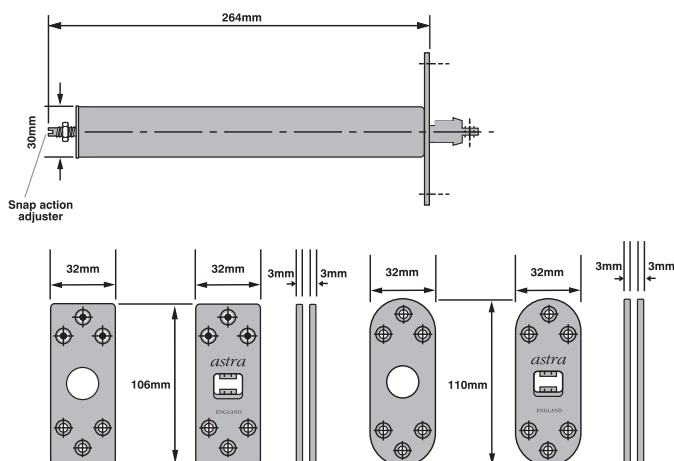
It is a requirement of Secured By Design that products meet PAS24 standards to ensure security levels are maintained.

Astra 3001, 3002, 3003 and 3004 have been included in test in both Halspan and Streborad core 44mm and 54mm doors as listed in the scope of certificate number 050/002.

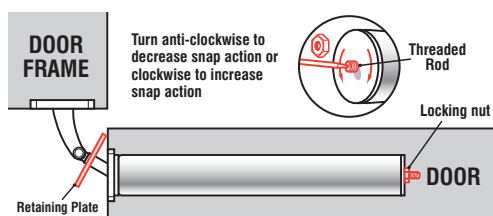
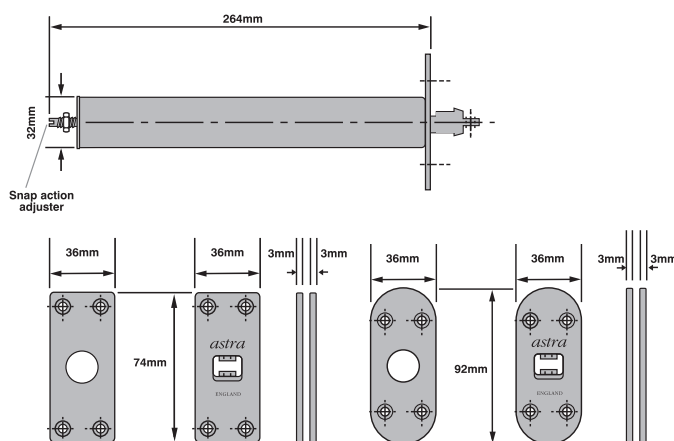


# *“Always striving to improve the opening forces”*

3001, 3002, 3003 Dimensions

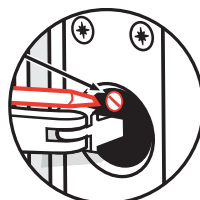
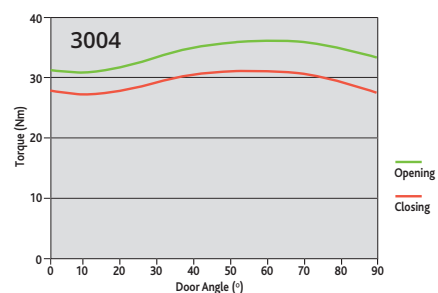
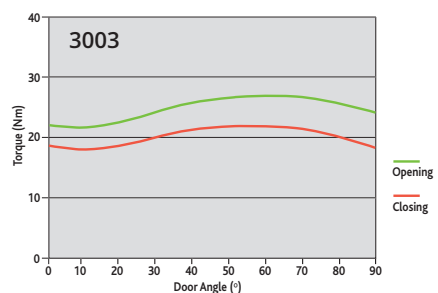
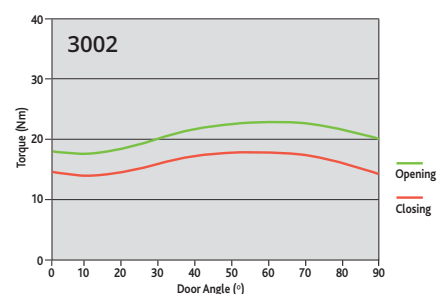
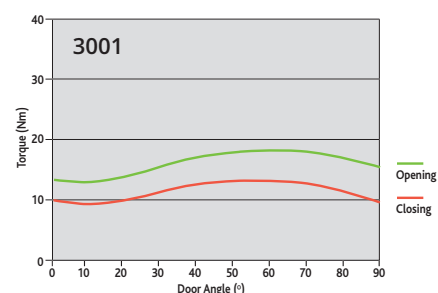


3004 Dimensions



## Adjusting the snap action

Prior to installation. The closer latching is factory set to give 5° of snap action. Remove the small locking nut on the threaded rod at the end of the body. Using a small flat screwdriver turn the threaded rod anti-clockwise to decrease or clockwise to increase the 'snap action'. After adjustment always replace the locking nut prior to installing the closer in the door.



## Adjusting the door closing speed

Once installed, the closing speed may be adjusted. A closing speed adjustment pin is located inside the body of the closer, above or below the fixing link. The closing speed can be altered by opening the door to 90° and turning the adjuster pin with a small flat screwdriver clockwise to decrease speed or anticlockwise to increase speed. When adjusting the closing speed, please be aware that very slow settings may effect the performance of the closer. It is recommended not to set a closing speed of less than 6 seconds.

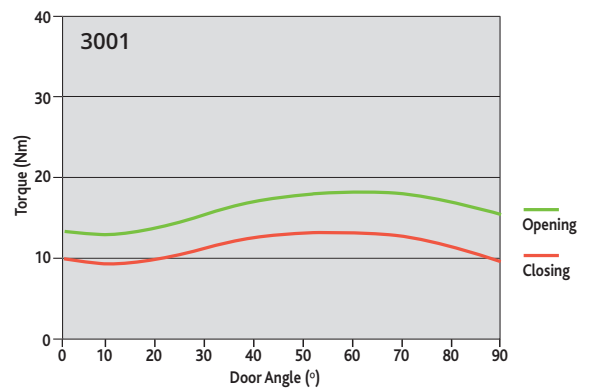
# 3001 EN Power 1

## Astra 3001 Concealed Closer

- ✓ BS EN1634 approved
- ✓ For use on FD30 fire doors
- ✓ For use on FD60 fire doors
- ✓ Certifire – Sound Secure Doors
- ✓ PAS 24 - Sound Secure Doors
- ✓ Suitable for use in Buildings Regulations ADM applications where a lower power closer is required

## Applications

- ✓ Reduced ligature
- ✓ Hotel bedrooms
- ✓ Internal office doors,
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation



# Technical details

## Product

- ✓ Integrated door control
- ✓ Jamb-mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## Performance

- ✓ Fixed power EN1
- ✓ Closing force 4° from latch 10Nm
- ✓ Opening force 4° from latch 13Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°

## Functions

- ✓ Adjustable closing speed whilst installed
- ✓ Adjustable latching action
- ✓ Maintenance free

## Test Evidence

- ✓ Continuous testing 500,000 cycles
- ✓ Included in Enhanced Security Door-set to PAS24 Sound Secure Range Halspan and Strebord 44mm and 54mm fire doors
- ✓ Fire test conducted in accordance with BS EN1634-1:2000  
Test report CHILT/RF06118

## Accreditations

- ✓ CERTIFIRE approved Supplement to Certificate numbers CF195, CF198, CF240, CF240A, CF241, CF302, CF380 and CF625  
Supplement number 357429
- ✓ PAS24 (Secured By Design) Certificate 050/002

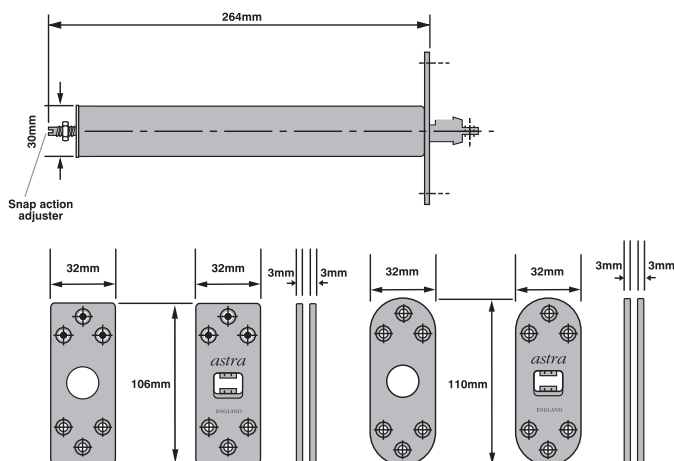
Manufacturers' Declaration of Performance

[www.astradoorcontrols.com](http://www.astradoorcontrols.com)

Available in 7 different finishes with the choice of radius or square fore ends.



## 3001 Dimensions





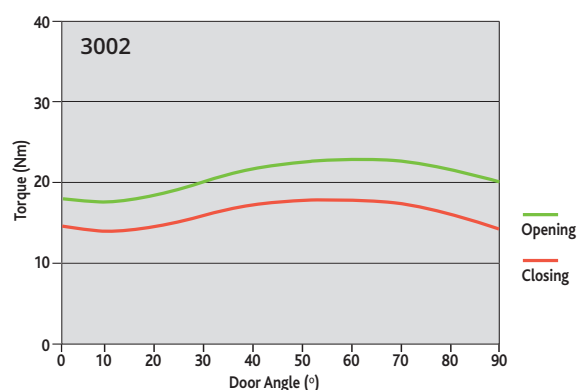
# 3002 EN Power 2

## Astra 3002 Concealed Closer

- ✓ BS EN1634 approved
- ✓ For use on FD30 fire doors
- ✓ For use on FD60 fire doors
- ✓ Certifire – Sound Secure Doors
- ✓ PAS 24 – Sound Secure Doors
- ✓ Suitable for use in Buildings Regulations ADM applications where a lower power closer is required

## Applications

- ✓ Reduced ligature
- ✓ Hotel bedrooms
- ✓ Internal office doors,
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation





# Technical details

## Product

- ✓ Integrated door control
- ✓ Jamb-mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## Performance

- ✓ Fixed power EN2
- ✓ Closing force 4° from latch 15Nm
- ✓ Opening force 4° from latch 19Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°

## Functions

- ✓ Adjustable closing speed whilst installed
- ✓ Adjustable latching action
- ✓ Maintenance free

## Test Evidence

- ✓ Continuous testing 500,000 cycles
- ✓ Included in Enhanced Security Door-set to PAS24 Sound Secure Range Halspan and Strebord 44mm and 54mm fire doors
- ✓ Fire test conducted in accordance with BS EN1634-1:2000  
Test report CHILT/RF06118

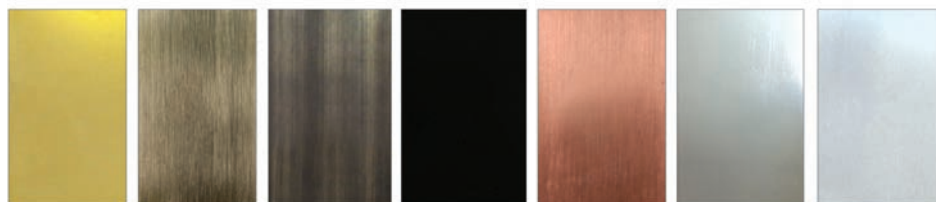
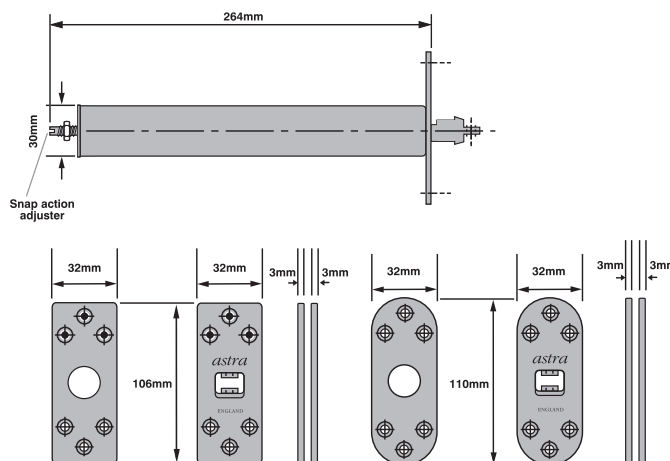
## Accreditations

- ✓ CERTIFIRE approved Supplement to Certificate numbers CF195, CF198, CF240, CF240A, CF241, CF302, CF380 and CF625  
Supplement number 357429
- ✓ PAS24 (Secured By Design) Certificate 050/002

Manufacturers' Declaration of Performance  
[www.astradoorcontrols.com](http://www.astradoorcontrols.com)

Available in seven different finishes with the choice of radius or square fore ends.

## 3002 Dimensions



BRASS

ANTIQUE  
BRASS

BRONZE

DARK  
BRONZE

COPPER

POLISHED  
CHROME

SATIN  
CHROME

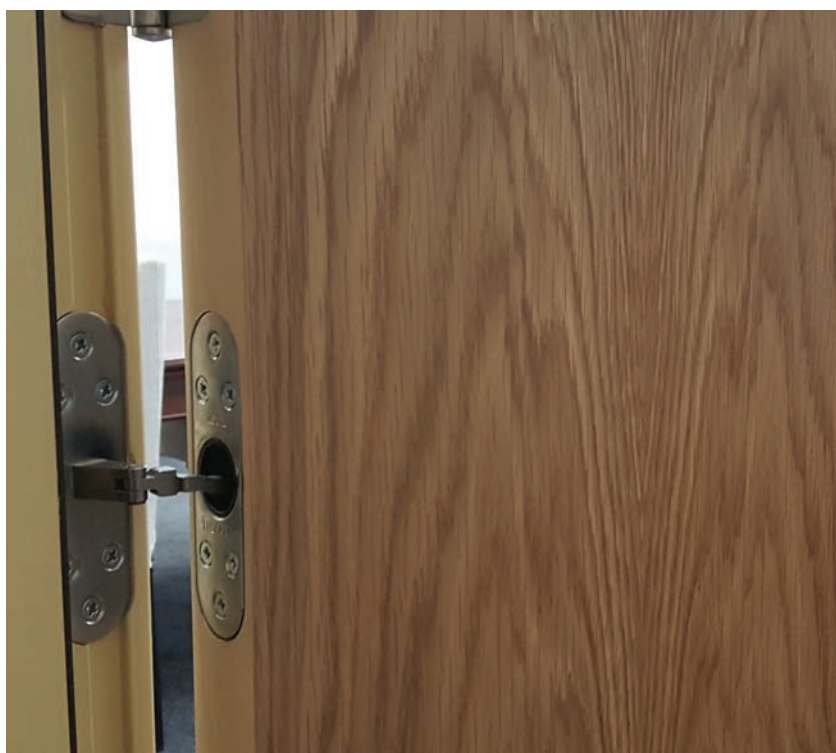
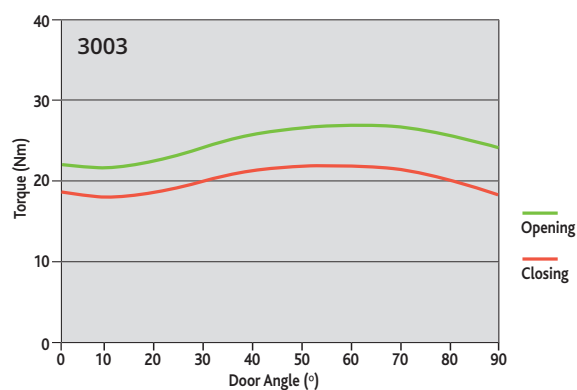
# 3003 EN Power 3

## Astra 3003 Concealed Closer

- ✓ BS EN1634 approved
- ✓ For use on FD30 fire doors
- ✓ For use on FD60 fire doors
- ✓ Certifire – Sound Secure Doors
- ✓ PAS 24 - Sound Secure Doors
- ✓ Continuous THIRD party monitoring
- ✓ CE marked
- ✓ EN1154 approved

## Applications

- ✓ Reduced ligature
- ✓ Hotel bedrooms
- ✓ Internal office doors,
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation



	Astra Door Controls Ltd Preston PR2 5AP England	11					
1121-CPR-AD0297	EN 1154:1996+A1:2002	3	8	3	1	1	3

# Technical details

## Product

- ✓ Integrated door control
- ✓ Jamb-mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## Performance

- ✓ Fixed power EN3
- ✓ Closing force 4° from latch 19Nm
- ✓ Opening force 4° from latch 22Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°

## Functions

- ✓ Adjustable closing speed whilst installed
- ✓ Adjustable latching action
- ✓ Maintenance free

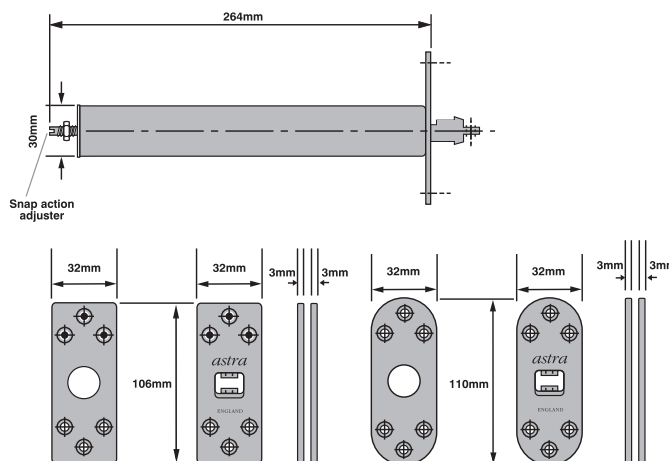
## Test Evidence

- ✓ Continuous testing 500,000 cycles
- ✓ Included in Enhanced Security Door-set to PAS24 Sound Secure Range Halspan and Strebord 44mm and 54mm fire doors
- ✓ Fire test conducted in accordance with BS EN1634-1:2000 Test report CHILT/RF06118
- ✓ Tested to European Harmonised standards BS EN1154

## Accreditations

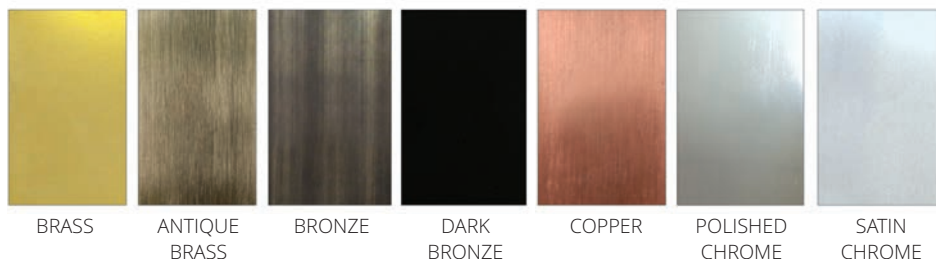
- ✓ CE marked in accordance with the Construction Products Regulation (CPR)
- ✓ CERTIFIRE approved Supplement to Certificate numbers CF195, CF198, CF240, CF240A, CF241, CF302, CF380 and CF625 Supplement number 357429
- ✓ PAS24 (Secured By Design) Certificate 050/002

## 3003 Dimensions



Manufacturers' Declaration of Performance [www.astradoorcontrols.com](http://www.astradoorcontrols.com)

Available in seven different finishes with the choice of radius or square fore ends.





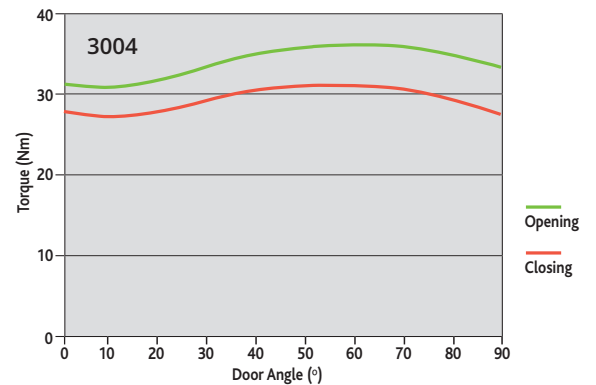
# 3004 EN Power 4

## Astra 3004 Concealed Closer

- ✓ BS EN1634 approved
- ✓ For use on FD30 fire doors
- ✓ For use on FD60 fire doors
- ✓ Certifire – Sound Secure Doors
- ✓ PAS 23 PAS 24 - Sound Secure Doors

### Applications

- ✓ Reduced ligature
- ✓ Hotel bedrooms
- ✓ Internal office doors,
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation



# Technical details

## Product

- ✓ Integrated door control
- ✓ Jamb-mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## Performance

- ✓ Fixed power EN4
- ✓ Closing force 4° from latch 27Nm
- ✓ Opening force 4° from latch 32Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°

## Functions

- ✓ Adjustable closing speed whilst installed
- ✓ Adjustable latching action
- ✓ Maintenance free

## Test Evidence

- ✓ Continuous testing 500,000 cycles
- ✓ Included in Enhanced Security Door-set to PAS24 Sound Secure Range  
Halspan and Strebord 44mm and 54mm fire doors
- ✓ Fire test conducted in accordance with BS EN1634-1:2000  
Test report CHILT/RF06118

## Accreditations

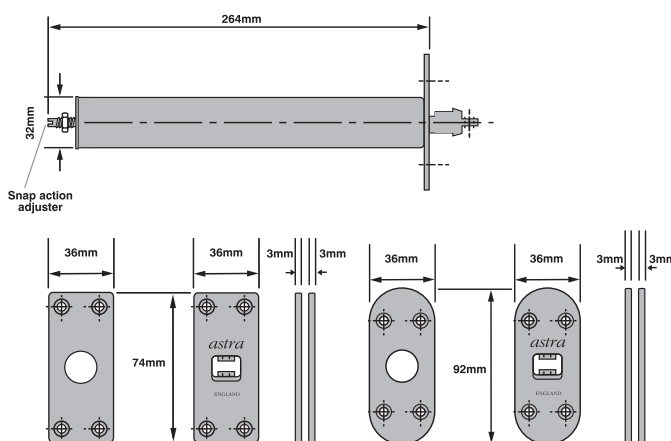
- ✓ CERTIFIRE approved Supplement to Certificate numbers CF195, CF198, CF240, CF240A, CF241, CF302, CF380 and CF625  
Supplement number 357429
- ✓ PAS24 (Secured By Design) Certificate 050/002

Manufacturers' Declaration of Performance [www.astradoorcontrols.com](http://www.astradoorcontrols.com)

Available in seven different finishes with the choice of radius or square fore ends.



## 3004 Dimensions



# 4000 Series

Manufactured in the UK the Astra 4000 Series incorporates three controls of different power sizes with adjustable speed.

This 4000 series of fully controlled concealed door closers have been designed specifically for fire doors that require a continuous, controlled action into the latch. With easy speed adjustment this ultra-efficient, easy-to-install compact door control is ideal for both refurbishment and new build projects.

The 4001, 4002 and 4003 are proving to be the door closers of choice in many residential and commercial situations with their fast, simple installation and adjustment.

## Installation

Easy to fit with the appropriate 9002- approved installation kit.

Complete instructions supplied with products and kits.


Installation videos at [www.astradoorcontrols.com](http://www.astradoorcontrols.com)

## PAS 24

It is a requirement of Secured By Design that products meet PAS24 standards to ensure security levels are maintained.

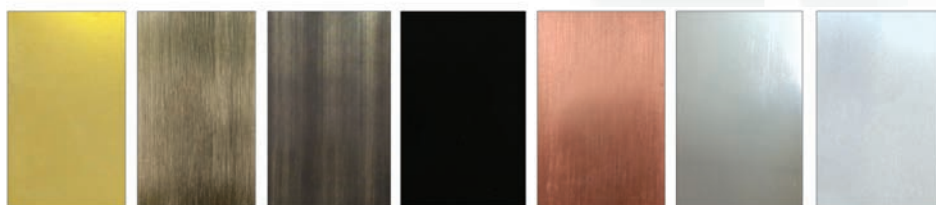
Astra 4000 Series closers have been included in test in both Halspan and Streborad core 44mm and 54mm doors as listed in the scope of certificate number 050/002.



SCOPE OF CERTIFICATION													
Enhanced Security Doorset to PAS24													
<p>Completed by <b>P.Andrews</b> Checked by _____</p>													
<p><b>Premdor Crosby Ltd</b>  <b>Birchvale Business Park</b>  <b>Huddersfield Road</b>  <b>Darton</b>  <b>Barnsley</b>  <b>S75 5US</b></p>	 <p><b>Exova</b>  <b>BMT RADA</b></p> <p>This scope of certification supports  <b>Certificate Number 050/002</b></p> <p>The validity of this scope document depends upon the implementation of the correct version of the Certificate's verification plan on the product.</p>												
<p>Issue <b>10</b> Date: <b>9 January 2017</b></p>	<p>Details: Addition of Astra concealed closer and updated frame          point detail</p>												
<p><b>Product Name:</b></p> <p>Sound Secure Range –          Inward Opening, Single Leaf,          Timber OF Doorset          Inward Opening, Single Leaf,          Eco Frame OF Doorset</p>													
<p><b>Test Reports:</b> (Refer to test reports for full specifications of the products ready type tests)</p> <p><b>BS5775 P1:</b> Fullex F7555  <b>PAS 23:</b> Winkhaus TR1250S          Winkhaus TR1245B  <b>BN1191:</b> BMT/TFW1350S/1  <b>PAS 24:</b> Chetern Dynamics CHSP04000          Chetern Dynamics MTAF06000          Fullex F7555          Winkhaus TR1235A          Winkhaus TR1245A          Winkhaus TR1275A          Chetern Dynamics CHSP1204B01          Chetern Dynamics CHSP1204B02          Chetern Dynamics F10355A01          BM TRACA CHSP131150B/1</p>													
<p><b>Annex D:</b></p>													
<p><b>Doorset classification – Halspan &amp; Streborad 44mm &amp; 54mm Doors</b></p> <p><b>D KT</b> • Locking mechanism with a removable key on both inside and outside          • Locking mechanism with non-removable key (thumb-turn) on the inside</p>													
<p><b>Weather Rating</b></p> <p>BS5775 part 1 Exposure category <b>1000</b> (on largest specimen)</p>													
<p><b>Maximum door leaf size</b></p> <table border="1"> <tr> <td>Option 1 (Flush Face)</td> <td>Open in (not including frame)</td> <td>926mm wide x 2040mm high x 46mm thick</td> </tr> <tr> <td>Option 2 (Flush Face)</td> <td>Open in (not including frame)</td> <td>926mm wide x 2040mm high x 46mm thick</td> </tr> <tr> <td>Option 3 (Flush Face)</td> <td>Open in (not including frame)</td> <td>926mm wide x 2040mm high x 54mm thick</td> </tr> <tr> <td>Option 4 (Flush Face)</td> <td>Open in (not including frame)</td> <td>926mm wide x 2040mm high x 54mm thick</td> </tr> </table>		Option 1 (Flush Face)	Open in (not including frame)	926mm wide x 2040mm high x 46mm thick	Option 2 (Flush Face)	Open in (not including frame)	926mm wide x 2040mm high x 46mm thick	Option 3 (Flush Face)	Open in (not including frame)	926mm wide x 2040mm high x 54mm thick	Option 4 (Flush Face)	Open in (not including frame)	926mm wide x 2040mm high x 54mm thick
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Option 4 (Flush Face)	Open in (not including frame)	926mm wide x 2040mm high x 54mm thick											
<p>Previews Ltd 0001 PAS 24-23 Enhanced Door Range Issue 10 05/01/17 0001</p> <p>Page 1 of 4</p>													



Available in seven different finishes with the choice of radius or square fore ends.



BRASS

ANTIQUE  
BRASS

BRONZE

DARK  
BRONZE

COPPER

POLISHED  
CHROME

SATIN  
CHROME



# Technical details

## Product

- ✓ Integrated door control
- ✓ Jamb mounted frame plate hinge side
- ✓ Suitable for use on right and left swing doors
- ✓ Completely concealed when door is closed

## Functions

- ✓ Adjustable closing speed whilst installed
- ✓ Maintenance free

## Accreditations

- ✓ PAS24 (Secured By Design) Certificate 050/002

## Test Evidence

- ✓ Continuous testing 500,000 cycles
- ✓ Fire test conducted in accordance with BS EN1634-1:2000 Test report CHILT/RF06118

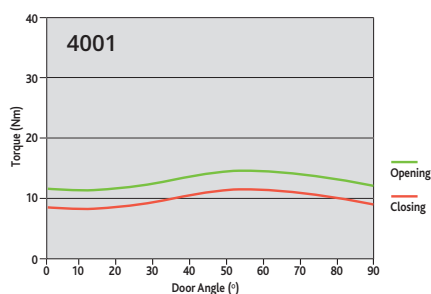
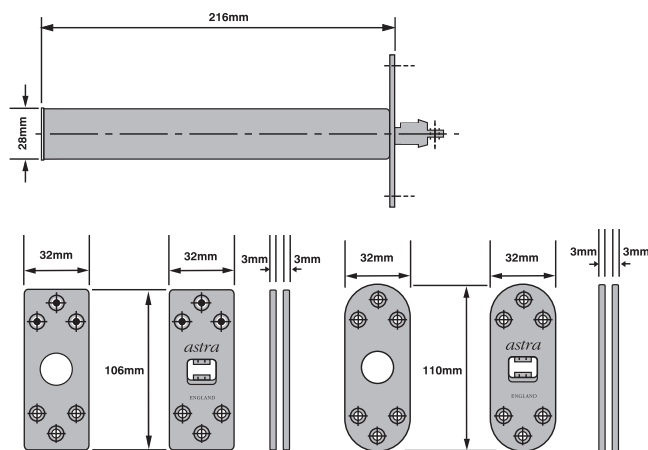
## Global Assessments For

- ✓ BS EN1634
- ✓ Fire doors for FD30 & FD60
- ✓ Secured by design (SBD)
- ✓ Continuous in house testing to over 500,000 cycles
- ✓ Performance testing

## Applications

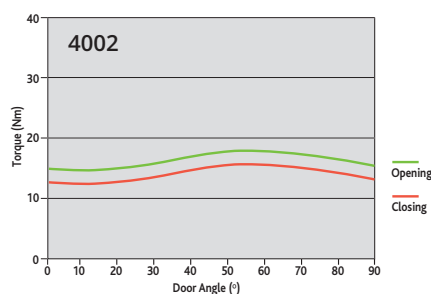
- ✓ Reduced ligature
- ✓ Hotel bedrooms
- ✓ Internal Office doors
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation

## 4000 Series Dimensions



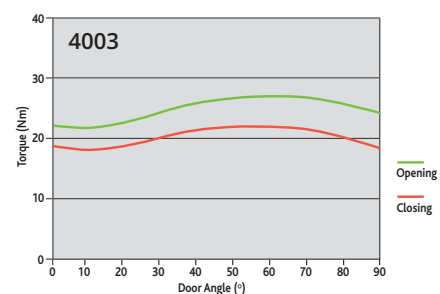
### 4001 Performance

- ✓ Fixed power EN1
- ✓ Closing force 4° from latch 9Nm
- ✓ Opening force 4° from latch 12Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°



### 4002 Performance

- ✓ Fixed power EN2
- ✓ Closing force 4° from latch 13Nm
- ✓ Opening force 4° from latch 16Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°



### 4003 Performance

- ✓ Fixed power EN3
- ✓ Closing force 4° from latch 19Nm
- ✓ Opening force 4° from latch 22Nm
- ✓ Continuous valve control from 90°
- ✓ Maximum opening angle 105°

# *astra*®

## DOOR CONTROLS

*The highest possible standards. The best possible solutions.*

**Astra Door Controls** – A UK manufacturer of concealed hydraulic door controls specifically designed for the architectural market.

The research and development department, manufacturing plant and offices operate out of Astra Business Centre in Preston, Lancashire.

Born out of the companies Reilor Limited and Gibcloser Limited, Alister Reid and Philip Gallagher set up Astra Door Controls in 2005 with a vision to design and manufacture concealed door closers for the fire door market in the United Kingdom. In the beginning Alister Reid as Managing Director shaped the business to meet the demands of manufacturing and design leaving Philip (Technical and Sales Director) to focus on developing the product range and certification requirements. As both directors are very “hands on” it soon became apparent that traditional overhead face fixed closers were not always wanted or desired. The requirement for a hidden or concealed self-closing device was an obvious missing piece of the modern fire door-set.

The introduction of the Regulatory Reform (fire safety) Order 2005 helped provide clear guidance on the requirements in fire safety in commercial buildings and blocks of apartments.

Working with hinge manufacturers and door fabricators, alongside architects and architectural ironmongers the company is instrumental in providing solutions for self-closing fire doors.

In 2013 Helen Hull joined the company as Operations Manager and has since been elected to the board of directors joining Alister and Philip. Helen has taken up the role of Operations Director and is responsible for the day to day running of Astra Door Controls.

More recently, the demand for door closers in residential housing has grown significantly. The concealed option is the preferred choice for architect, client and occupier. To this end, Astra has designed a complete range which now boasts the 1000, 2000, 3000 and 4000 series in its portfolio of concealed door closers. Utilising in house test rigs and testing equipment has helped develop Astra door controls that operate with both concealed and butt type hinges.

As a manufacturer, it is important we develop products appropriate to the markets in which we operate. Quality, service, reliability and cost is critical to how we grow as a business. Understanding our customers' needs and having the ability to react at short notice has defined Astra Door Controls in the architectural fire door arena.

We will continue to strive to bring in new products that are both functional and aesthetically pleasing whilst maintaining levels of performance attributed to the appropriate standards.

“Committed to manufacturing in the united kingdom, we are able to deliver modern design with quality products at a competitive price whilst fulfilling the requirements of the relevant standards.”

Philip Gallagher, Managing Director.

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Astra Door Controls Limited, Astra Business Centre, Roman Way, Preston, PR2 5AP, England  
Telephone: **+44 (0)1772 796901** Email: **info@astradoorcontrols.com**

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