

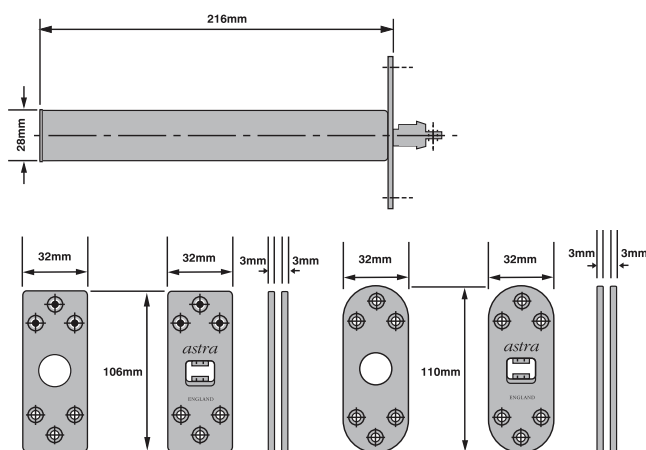
4000 Series

Following market research and feedback gathered from a combination of architects, interior designers, architectural ironmongers, doorset manufacturers and joiners it became apparent that there was a demand in the market for a jamb mounted concealed closer that was efficient, fully concealed but also easier to install compared to the current products available. Our Research and Development Department were tasked to produce a concealed jamb mounted door control that was fully concealed when the door is closed, seamless to fit in to the doorset at the factory stage through CNC machines, easy to install on site, and fully adjustable once the closer is installed.

The UK-manufactured 4000 Series includes three different power size door closers each with easily adjustable speed: the 4001, 4002 and 4003. It is manufactured with a single spring and hydraulic unit, that offers a higher efficiency rate than a typical overhead closer so it does not require any adjustable latching. The 4000 Series does not need to be removed to adjust the closing speed, this can be done with a flat headed screwdriver with the door closer installed.



4000 Series Dimensions



An ultra-compact high efficiency design makes the Astra 4000 Series the perfect choice for both new-build and refurbishment projects.

They are ideally suited to a wide variety of applications including hotel bedrooms, office doors, residential dwellings, student accommodation and any setting with a reduced ligature requirement.

The Astra 4000 Series door closers are tested and certified to all British and international performance standards and programmes, including FD30 & FD60 fire tests conducted in accordance with BS EN1634-1:2000 (test report CHILT/RF06118). It will allow specifiers to meet PAS 24 standards for residential entrance doors since it is Secured by Design (SBD) accredited. Astra 4000 Series door closers have also been successfully included in tests in both Halspan and Streboard core 44mm and 54mm doors and has successfully completed in house-testing to over 500,000 cycles.

Features

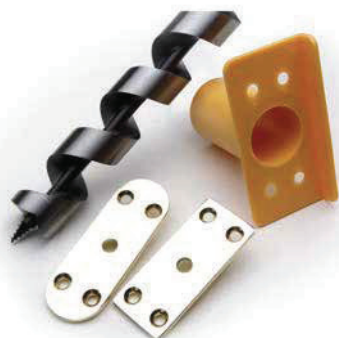


Certification and Testing

- ✓ Tested on 30 minute Fire Doors
- ✓ Tested on 60 minute Fire Doors
- ✓ Tested to BS476
- ✓ Tested to EN1634
- ✓ Tested to EN1154
- ✓ CE Marked
- ✓ Required to comply with Building Regulations

Adjusting the door closing speed

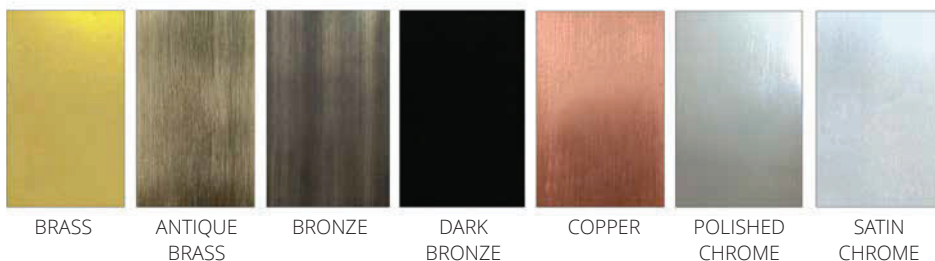
Once installed, the closing speed may be adjusted. A closing speed adjustment pin is located inside the body of the closer, above or below the fixing link. The closing speed can be altered by opening the door to 90° and turning the adjuster pin with a small flat screwdriver clockwise to decrease speed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



Installation

Easy to fit with the appropriate, approved 9001 installation kit. Complete instructions supplied with products and kits. Installation videos at www.astradoorcontrols.com

Available in seven different finishes as standard with the choice of radius or square fore ends. Alternative bespoke finishes available on request.



4001 Technical Details

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°
- ✓ Suitable for doors up to 800mm wide

Product

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

Applications

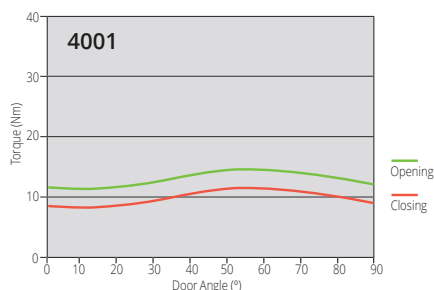
- ✓ Apartment entrance doors
- ✓ Reduced ligature settings
- ✓ Hotel bedrooms
- ✓ Internal office doors
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation

Functions

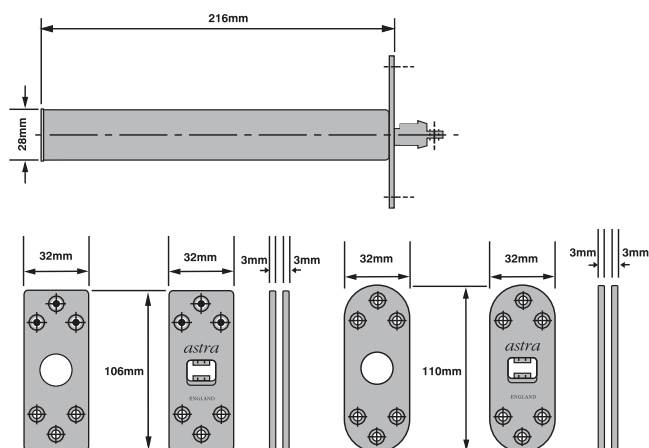
- ✓ Adjustable closing speed whilst installed
- ✓ Maintenance-free

Test Evidence

- ✓ Continuous in-house testing to over 500,000 cycles
- ✓ Fire test conducted in accordance with BS EN1634-1:2000
- ✓ Third Party performance tested to EN1154



4000 Series Dimensions



4002 Technical Details

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°
- ✓ Suitable for doors up to 900mm wide

Product

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

Applications

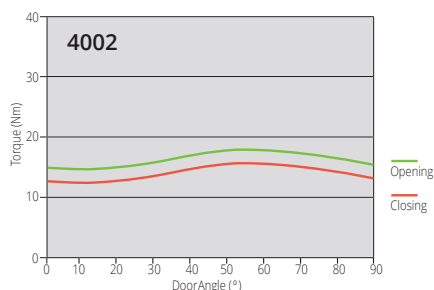
- ✓ Apartment entrance doors
- ✓ Reduced ligature settings
- ✓ Hotel bedrooms
- ✓ Internal office doors
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation

Functions

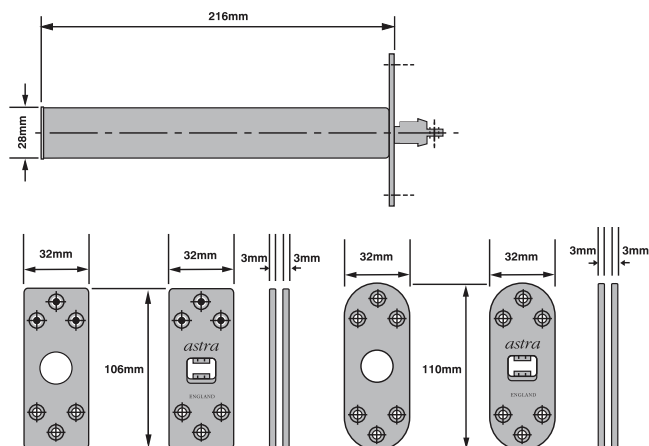
- ✓ Adjustable closing speed whilst installed
- ✓ Maintenance-free

Test Evidence

- ✓ Continuous in-house testing to over 500,000 cycles
- ✓ Fire test conducted in accordance with BS EN1634-1:2000
- ✓ Third Party performance tested to EN1154



4000 Series Dimensions



4003 EN Power 3

There are only three CE marked concealed jamb mounted door closers available to the industry, two of which are manufactured by Astra Door controls. The Astra 4003 product is the latest jamb mounted product on the market that is CE marked in accordance to the European Harmonised standard BS EN1154. The 4003 concealed door closer offers an alternative to face-fixed closers to meet standards, fire regulations and accessibility requirements.

Astra 4003 concealed closer

- ✓ BS EN1634 approved
- ✓ 30 minute fire doors
- ✓ 60 minute fire doors
- ✓ EN1154 approved
- ✓ CE Marked
- ✓ PAS 24 approved

Dual Fire and Security accredited

- ✓ Stredor Door Core
- ✓ Strebord Door Core

Suitable Applications

- ✓ Apartment entrance doors
- ✓ Hotel bedroom doors
- ✓ Student accommodation
- ✓ Internal office doors
- ✓ Cubicle doors
- ✓ Residential dwellings
- ✓ Reduced ligature



CE	Astra Door Controls Ltd Preston PR2 5AP England	18					
		1720-CPR-0174	EN 1154:1997+A1:2002	3	8	3	1 1 5

4003 Technical Details

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°
- ✓ Suitable for doors up to 1100mm wide

Product

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

Applications

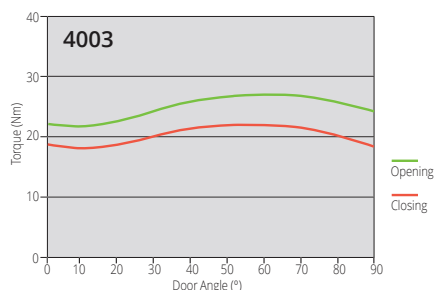
- ✓ Apartment entrance doors
- ✓ Reduced ligature
- ✓ Hotel bedrooms
- ✓ Internal office doors
- ✓ Residential dwellings
- ✓ Cubicle doors
- ✓ Student accommodation

Functions

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

Test Evidence

- ✓ CE marked in accordance with the Construction Product Regulations
- ✓ Continuous in-house testing to over 500,000 cycles
- ✓ Fire test conducted in accordance with BS EN1634-1:2000
- ✓ Third party performance tested to EN1154



4000 Series Dimensions

