

# 3000 Series

Fully controlled concealed hydraulic door closers

3001 EN POWER SIZE 1

3002 EN POWER SIZE 2

3003 EN POWER SIZE 3

3004 EN POWER SIZE 4



Manufactured in the UK, the Astra 3000 series incorporates 4 door controls of differing power sizes with adjustable closing speed and latching action.

## fire test evidence

Fire test conducted in accordance with BSEN1634-1:2000 and BSEN163-1:1999 by Chiltern International Fire Ltd, test report CHILT/RS06118.

## performance testing

Third party performance testing by Exova Warrington APT.

- 3003 currently undergoing testing to EN1154
- 3004 currently undergoing testing to EN1154

Partnering with recognised organisations within the construction industry creating real life situations to achieve the highest possible standards using the best possible solutions. Continuous in-house testing up to 500,000 cycles.

It is the intention of Astra Door Controls to test all of the 3000 range to BSEN1154 with Exova Warrington APT. This will form part of the continuous test programme throughout 2010. On completion of testing the CE mark will be applied.

## product information

- Power sizes 1 to 4
- Fully controlled
- Adjustable speed
- Adjustable latching action
- 130 degree opening
- 180 degree opening available soon

## applications

- Approved Document M
- Approved Document B
- Reduced ligature
- Hotel bedrooms
- Apartment entrance
- Internal office doors
- Interior private dwellings
- Cubicle doors
- Student accommodation
- PAS 24 apartment entrance doors

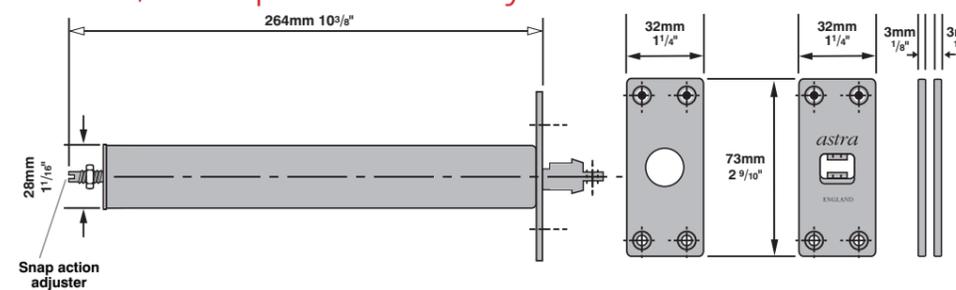
## installation

Easy to fit with fitting jigs, templates and morticers. Complete fitting instruction supplied with every product and available on the website.

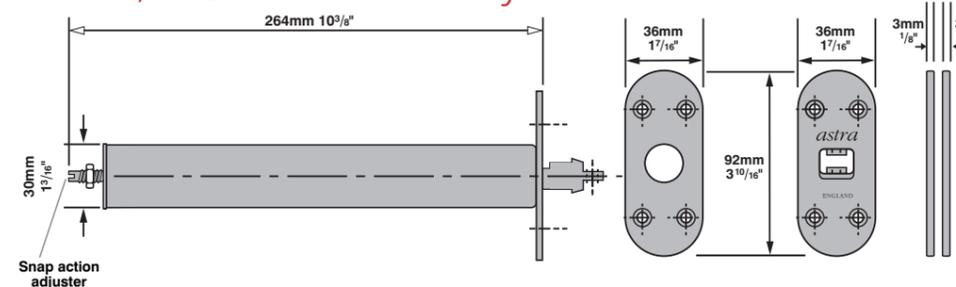
*"always striving to improve the opening forces"*

	CLOSING FORCE 4°-0°	OPENING FORCE 0°-4°	OPENING AGAINST CLOSING FORCES 0°-4°
3001 EN 1	11.30Nm	13.15Nm	86%
3002 EN 2	14.75Nm	17.02Nm	87%
3003 EN 3	19.87Nm	22.69Nm	88%
3004 EN 4	26.97Nm	29.05Nm	93%

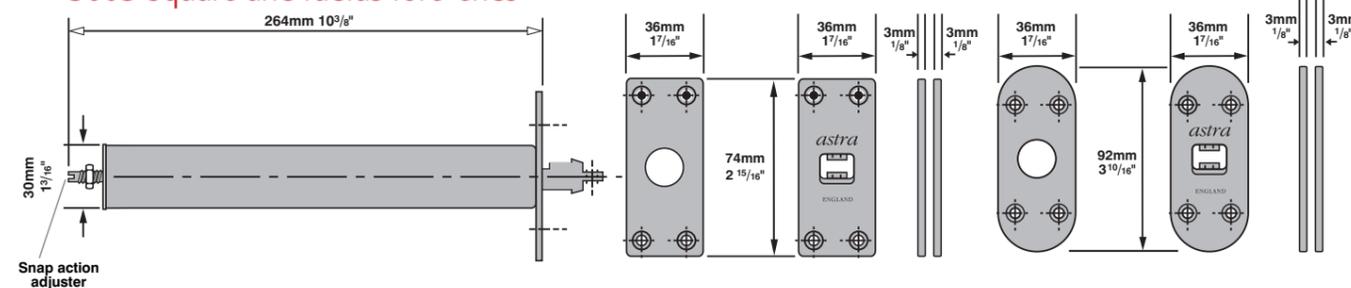
### 3001, 3002 Square fore-ends only



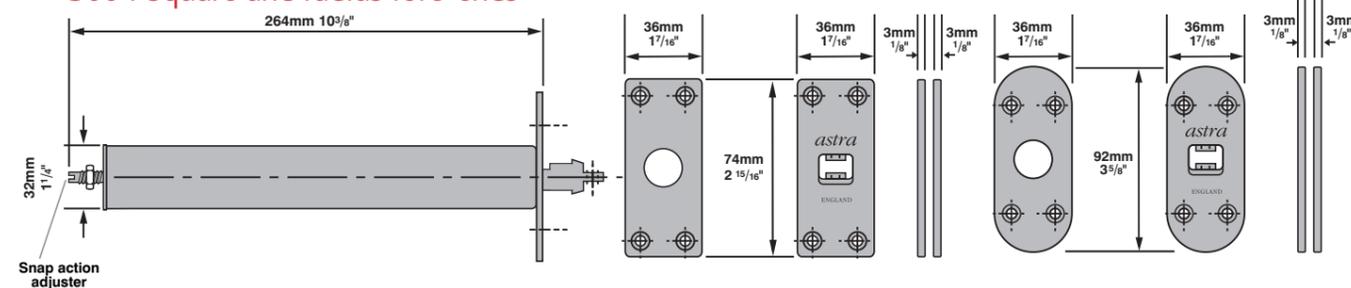
### 3001, 3002 Radius fore-ends only



### 3003 Square and radius fore-ends



### 3004 Square and radius fore-ends



# 3000 Series

Ideal for PAS 23 and PAS 24 doors

- Completely concealed
- Easy to fit
- Fully adjustable
- Power 1 to 4 available
- Easy to open

