


**NEXT DAY
DESPATCH**

**UK
IMPORTER**
**100 SERIES
COMPATIBLE**
**IP20
RATED**
**SYNCHRO
OPTION**


TYPE

Chain



VOLTAGE

24V or 230V



THRUST

400N/40 kg



STROKE

 100mm to 500mm **ADJUSTABLE**
**DO NOT USE FOR
SMOKE VENTILATION**


If you do require smoke control products or advice – please call us



ABOUT THIS ACTUATOR

The TOPP C40 actuator with double link articulated chain, is available in both 24V and 230V models. Brackets options are available for top, bottom and side hung windows as well as vertical mounted windows. Electronic traction control speed reduction during the last 100mm of closing action. Clean aesthetics and impressive features, including a fast hooking and unhooking system, make this an ideal choice for both residential and commercial applications.

SUITABLE FOR...

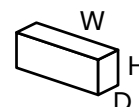


COLOUR OPTIONS

- Black
- White
- Grey

ACTUATOR DIMENSIONS

WIDTH: 388mm
 HEIGHT: 50mm
 DEPTH: 95mm



PRODUCT HIGHLIGHTS

- ✓ Tilting bracket with 15mm adjustment for use on overhung windows
- ✓ Seven position adjustment options
- ✓ Buzzer indicates incorrect installation
- ✓ Synchronisation option available
- ✓ CE marked device

TECHNICAL DATA >>>
PRODUCT CODES >>>

TECHNICAL DATA

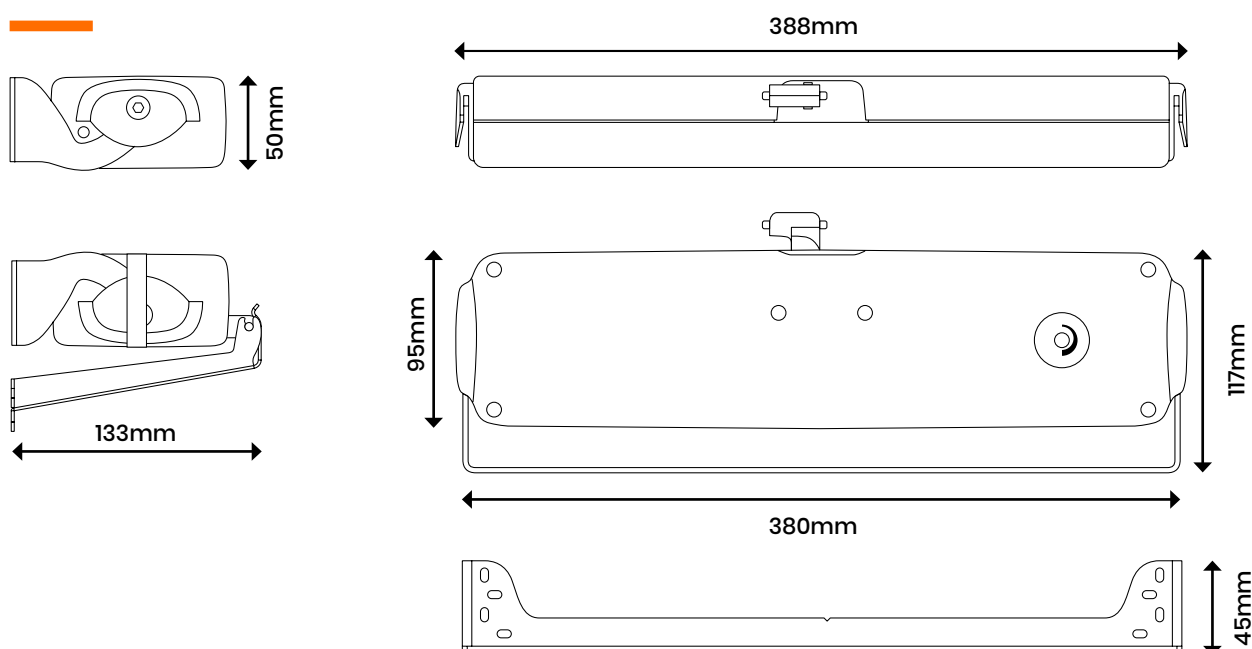
	C40 24V	C40 230V
Voltage Supply	24V	230V
Thrust Force	400N/40 kg	400N/40 kg
Traction Force	400N	400N
Stroke Adjustment	Seven Positions. 100 - 150 - 200 - 250 - 300 - 400 - 500mm	
Maximum Window Height	300mm to 1000mm – See next page for details	
Minimum Window Width	450mm	450mm
Maximum Window Width	1300mm (use an actuator with two pushpoints if wider)	
Absorbed Current	1.1 amps	0.24 amps
Power	26 watts	50 watts
Operating Temperature	-5°C to +50°C	-5°C to +50°C
Service Type	S2 8 min	S2 5 min
Limit Stop	Electronic	Electronic
Safety Stop	Electronic	Electronic
Wiring	2 Core + Earth	3 Core + Earth
Speed	~ 11mm/s	~ 19mm/s
Double Insulated	No	Yes
IP Protection Class	IP55	IP55
Synchronisation Option	Yes with S version (two actuators on the same window)	
Parallel Connection Option	Yes with S version	Yes with S version
Weight	1.9 kg	1.9 kg
Cable Length (standard)	1.5m	1.5m



WHAT'S IN THE BOX?

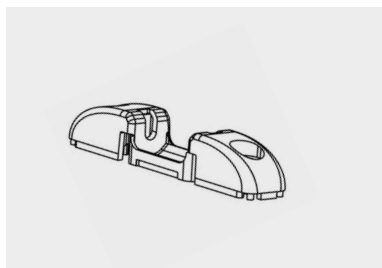
- ✓ Topp C40 Actuator
- ✓ ARS Bracket Pack & Release Tool
- ✓ Front Mounted Swivel Bracket
- ✓ Inward Opening Bracket
- ✓ Drilling Template
- ✓ Installation and User Guide
- ✓ Safety Plate

DIMENSIONS



PRODUCT CODES >>>

BRACKET & ACCESSORY CODES



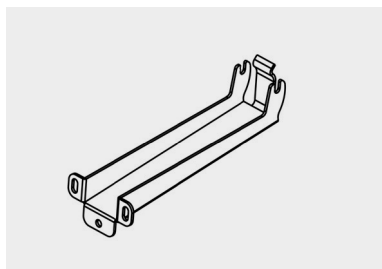
ARS Rapid Hooking Device (included)

(connects to window leaf)

Black AXTO-C20-BARS-BL01
White AXTO-C20-BARS-WH01
Grey AXTO-C20-BARS-GR01

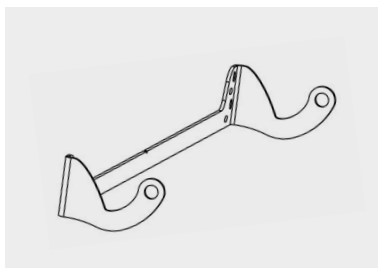
ARS Bracket Release Tool (included)

AXTO-C20-BARS-0002



Inward Opening Bracket (included)

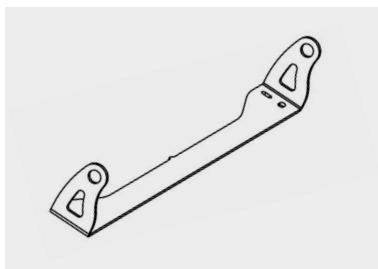
Black AXTO-C40-BUBH-BL01
White AXTO-C40-BUBH-WH01
Grey AXTO-C40-BUBH-GR01
Mill AXTO-C40-BUBH-MI01



Front Mounted Swivel Bracket (included)

For top/bottom hung windows

Black AXTO-C40-BFMO-BL01
White AXTO-C40-BFMO-WH01
Grey AXTO-C40-BFMO-GR01
Mill AXTO-C40-BFMO-MI01



Swivel Bracket

(vertical mounting)

Black AXTO-C40-BSWI-BL01
White AXTO-C40-BSWI-WH01
Grey AXTO-C40-BSWI-GR01
Mill AXTO-C40-BSWI-MI01

ACTUATOR CODES

C40 24V

Black ACTO-C40-024V-BL01
White ACTO-C40-024V-WH01
Grey ACTO-C40-024V-GR01

C40 230V

Black ACTO-C40-230V-BL01
White ACTO-C40-230V-WH01
Grey ACTO-C40-230V-GR01



C40 Synchro Option
Available on request

CHOOSING A FIXED OR SWIVEL BRACKET?

For top hung or bottom hung windows, **LESS THAN 800mm** in height, use swivel brackets.

Always read the manufacturer's instructions prior to installation.

230V

RELATED PRODUCTS AND SERVICES

24V



VENTEC 100
SERIES CONTROL



VENTEC DS
SWITCH



230V TF SERIES
CONTROL



PROJECT
COMMISSIONING



INSTALLATION
& MAINTENANCE

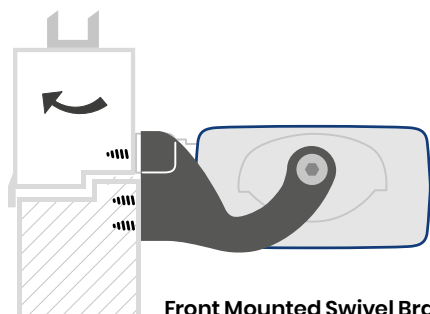


24V TF SERIES
CONTROL



WEATHER
STATION

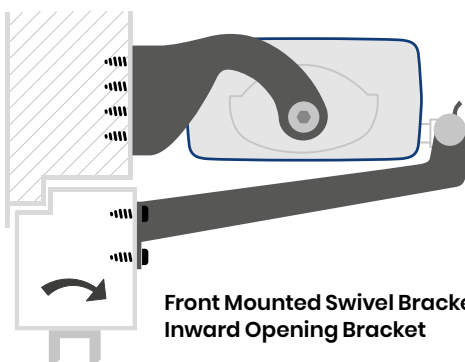
OUTWARD OPENING INSTALLATION EXAMPLES



Front Mounted Swivel Bracket

Top Hung Opening	
Stroke (mm)	Window Minimum Height
100	300
150	
200	
250	
300	350
400	450
500	500

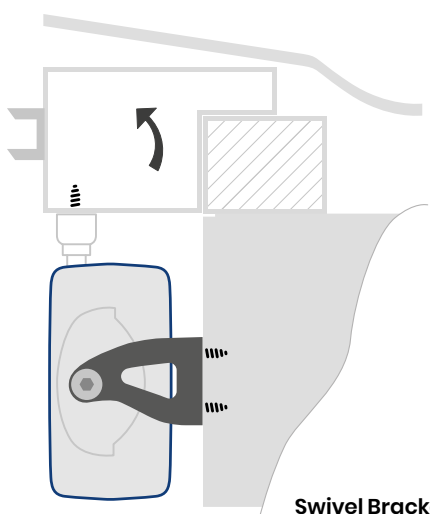
INWARD OPENING



Front Mounted Swivel Bracket
Inward Opening Bracket

Bottom Hung Opening	
Stroke (mm)	Window Minimum Height
100	300
150	
200	
250	400
300	500
400	900
500	1000

DOME (OUTWARD)



Swivel Bracket

WINDOW OPERATION FORCE CALCULATION

TOP, BOTTOM OR PIVOT HUNG WINDOWS

The formula for calculating the load the actuator has to move for top hung, bottom hung and pivot windows is the following:

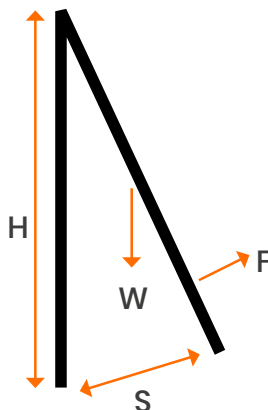
$$F = \frac{W}{2} \times \frac{S}{H} \times 10$$

F = Force required (N)

W = Weight of the window (kg)

S = Opening stroke (mm)

H = Height of the window (mm)



EXAMPLE: 60 kg Weight / 1000mm Height / 500mm Stroke

$$F = 60/2 \times 500/1000 \times 10$$

$$F = 30 \times 0.5 \times 10$$

$$F = 150 \text{ newtons}$$

IMPORTANT: For installation on a pivoting window the given height is to be considered H/2.

IMPORTANT: The indicated loads do not include the force exerted by wind or other extreme weather conditions. If the actuator is to be installed in areas that may be subject to these conditions, contact our technical department to discuss your requirements.

The actuator rotation angle is usually half the height of the opening angle of the window. Check that there are no obstacles to the rotation of the actuator in order to prevent damage to it.

For actuators with non pivoting brackets, the height of the window must not be below a certain height (see individual product details) in order to prevent excessive chain bending. Please contact our sales support team for more details.

If the window width is greater than 1.5m we suggest using an actuator with two thrust points.

DOMES AND SKYLIGHTS

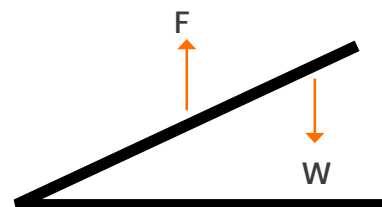
IMPORTANT: When calculating the required force for domes and skylights, Snow Load must be added to the weight of the window leaf (W).

The formula for calculating the load the actuator has to move for domes and skylights is the following:

$$F = \frac{W}{2} \times 10$$

F = Force required (N)

W = Weight of the window (kg)



EXAMPLE: 110 kg Weight / 1000mm Height / 500mm Stroke

$$F = 110/2 \times 10$$

$$F = 55 \times 10$$

$$F = 550 \text{ newtons}$$

SKYLIGHTS: The opening can be hung on one side or have a central axis of rotation. In the latter case, you have to consider the distance between the axis of rotation and the point of application of the actuator as the frame height. A Velux type of opening on a horizontal roof or roof sloping up to 30° horizontally weighs 50% on the hinges and 50% on the actuator. In the case of centre rotation, the weight is practically nothing and is determined only by the windows frictions.

If the window width is greater than 1.5m we suggest using an actuator with two thrust points.



IMPORTANT: If the window frame is accessible, or installed at a height of less than 2.5m from the ground, an emergency stop system must be fitted to prevent the crushing or entrapment of clothing or body parts inserted between the moving and fixed elements of the window frame.