



**NEXT DAY
DESPATCH**

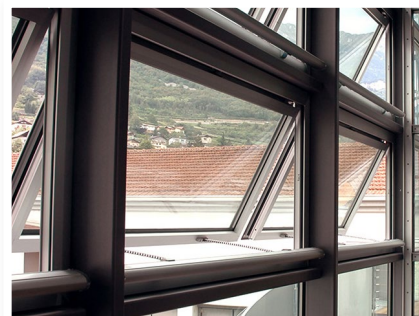


**UK
IMPORTER**

**STANDARD
SIZES IN STOCK**

**100 SERIES
COMPATIBLE**

**IP30
RATED**



**BESPOKE CASING WIDTHS
AVAILABLE – UP TO 4000mm**



TYPE

Dual Push Point Chain



VOLTAGE

24V or 230V



THRUST

Up to 400N/40 kg



STROKE

360mm (240mm also available)

**DO NOT USE FOR
SMOKE VENTILATION**



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



ABOUT THIS ACTUATOR

The TOPP C240 electric actuator with two double-link chains, housed in an elegant die-cast aluminium casing, is available in custom lengths from 1200mm (standard) up to 4000mm. It comes complete with brackets and accessories for top hung, bottom hung and vertical mounting windows. Fast hooking and unhooking system to the window frame for easy installation and cleaning.

PRODUCT HIGHLIGHTS

- ✓ High performance on top loads
- ✓ Available casing widths 1200mm to 4000mm
- ✓ Swivelling fixing brackets positionable along the entire unit profile
- ✓ Intended for windows wider than 2 metres
- ✓ CE marked device

SUITABLE FOR...



COLOUR OPTIONS

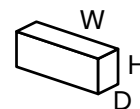


Silver



Bespoke
colours upon
request

STANDARD ACTUATOR DIMENSIONS



WIDTH: 1200mm
Up to 4000mm

HEIGHT: 62mm

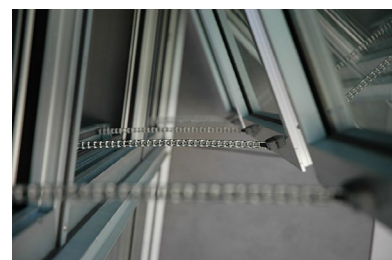
DEPTH: 97mm

TECHNICAL DATA >>>

PRODUCT CODES >>>

24 HR TECHNICAL DATA

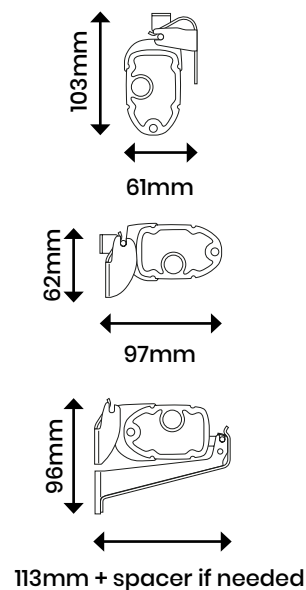
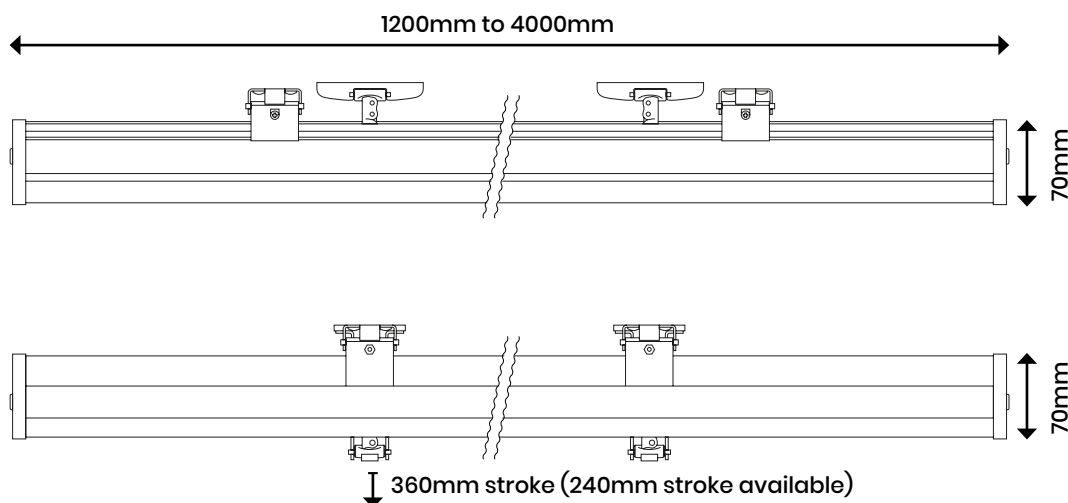
	TOPP C240 24V	TOPP C240 230V
Voltage Supply	24V	230V
Thrust Force	400N/40 kg	400N/40 kg
Traction Force	300N/30 kg	300N/30 kg
Stroke Adjustment	360mm (240mm on request)	360mm (240mm on request)
Min. Window Width	1270mm (Based on actuator width + 70mm)	
Max. Window Width	4070mmmm (use multiple actuators if wider)	
Minimum Height (actuator to hinge)	Top Hung standard – 500mm (240mm stroke), 700mm (360mm stroke) Bottom Hung – 500mm (240mm stroke), 900mm (360mm stroke) Vertical Mounted – 350mm (240mm stroke), 500mm (360mm stroke)	
Absorbed Current	0.75 amps	0.22 amps
Power	18 watts	46 watts
Operating Temperature	-5°C to +50°C	-5°C to +50°C
Time Rating	S2 of 4 min	S2 of 4 min
Limit Stop	Electronic	Electronic
Safety Stop	Electronic in opening / Amperometric absorption in closing	Electronic in opening / Amperometric absorption in closing
Speed	~ 8mm/s	~ 7.5mm/s
Double Insulated	Yes	No
IP Protection Class	IP30	IP30
Parallel Connection Option	Yes	Yes
Weight (including brackets)	From 3.90 kg (L=1200mm) to 7 kg (L=2400mm)	
Cable Length (standard)	1.2m	1.2m



WHAT'S IN THE BOX?

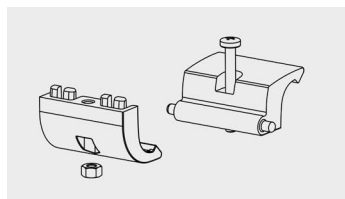
- ✓ TOPP C240 Actuator
- ✓ Upped Bracket
- ✓ Connecting Pack
- ✓ Clamps for Top Hung, Bottom Hung and Vertical Mounting
- ✓ Brackets for Top Hung, Bottom Hung and Vertical Mounting
- ✓ Drilling Template and Instructions
- ✓ Installation and User Guide
- ✓ Safety Plate

DIMENSIONS

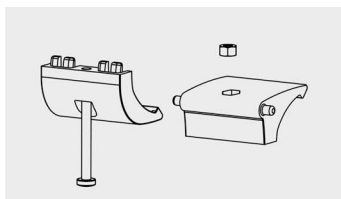


PRODUCT CODES >>>

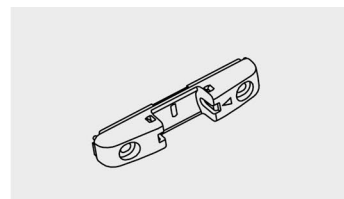
BRACKET & ACCESSORY CODES



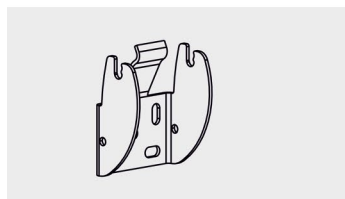
Clamp / Top Hung Window
AXTO-C24-BUPP-MI01



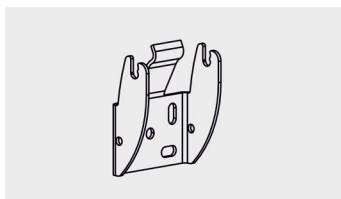
Clamp / Bottom Hung Window
AXTO-C24-BINW-MI01



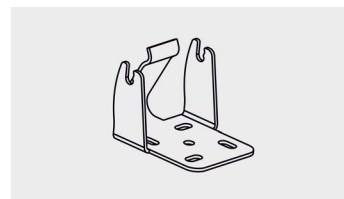
ARS Rapid Hooking Device
AXTO-C20-BARS-WH02



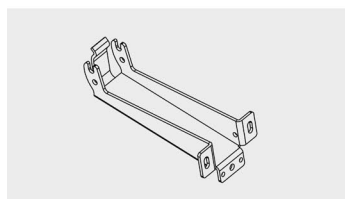
Frontal Bracket for Top Hung Windows min. 700mm
AXTO-C24-BTHU-MI01



Slim Frontal Bracket for Top Hung Window min. 400mm
AXTO-C24-BRRO-MI01



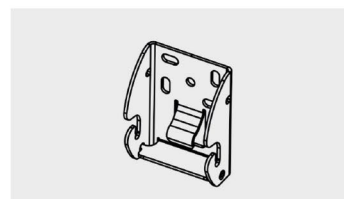
Vertical Mounting Bracket Opening > 350mm
AXTO-C24-BVMO-MI01



Inward Opening Bracket
AXTO-C24-BINW-BL01



Bottom Hung Window Bracket
AXTO-C24-BBHU-MI01



Top Hung Reversed Assembly Bracket
AXTO-C24-BTHU-MI02

ACTUATOR CODES

TOPP C240 24V

ACTO-C24-024V-SI01 1200mm actuator	240mm stroke	1.5m cable
ACTO-C24-024V-SI02 1500mm actuator	240mm stroke	1.5m cable
ACTO-C24-024V-SI03 1200mm actuator	360mm stroke	1.2m cable
ACTO-C24-024V-SI04 1500mm actuator	360mm stroke	1.5m cable
ACTO-C24-024V-SI05 1800mm actuator	360mm stroke	1.5m cable

TOPP C240 230V

ACTO-C24-230V-SI01 1200mm actuator	240mm stroke	1.5m cable
ACTO-C24-230V-SI02 1500mm actuator	240mm stroke	1.5m cable
ACTO-C24-230V-SI03 1800mm actuator	240mm stroke	1.5m cable
ACTO-C24-230V-SI04 1200mm actuator	360mm stroke	1.2m cable
ACTO-C24-230V-SI05 1500mm actuator	360mm stroke	1.5m cable
ACTO-C24-230V-SI06 1800mm actuator	360mm stroke	1.5m cable

230V

RELATED PRODUCTS AND SERVICES

24V



VENTEC 100
SERIES CONTROL



VENTEC DS
SWITCH



230V TF SERIES
CONTROL



PROJECT
COMMISSIONING



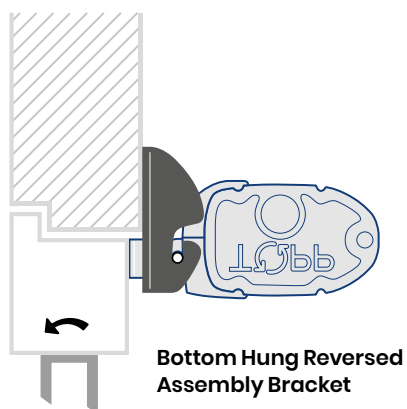
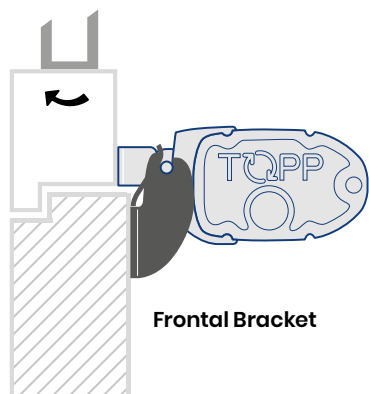
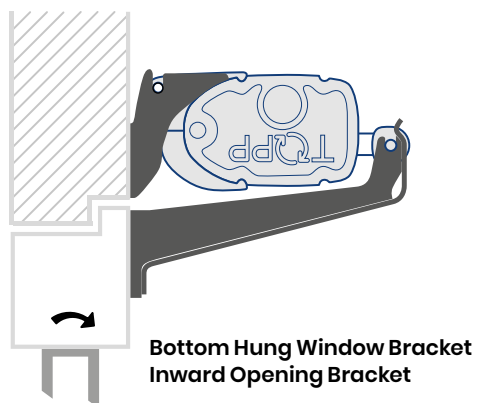
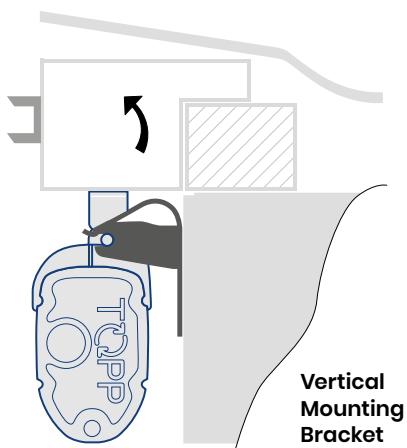
INSTALLATION
& MAINTENANCE



24V TF SERIES
CONTROL



WEATHER
STATION

OUTWARD OPENING INSTALLATION EXAMPLES**INWARD OPENING****DOME (OUTWARD OPENING)**

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:

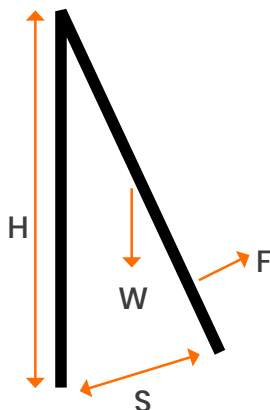
$$F = \frac{W}{2} \times \frac{S}{H} \times 10$$

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

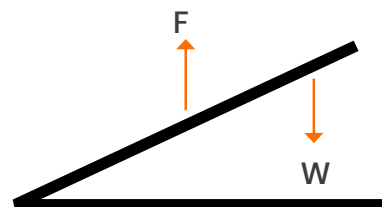
IMPORTANT: When calculating the required force for domes and skylights, Snow Load must be added to the weight of the window leaf (W).

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.