

TWIN QUASAR / TWIN VEGA

24 Vdc | 120 - 230 Vac

Two-Chains actuator

TWIN QUASAR

Force in push action 600 N
Maximum stroke 500 mm

TWIN VEGA

Force in push action 600 N
Maximum stroke 300 mm



The strongest Chain actuator: 600 N.

- › Chains in double stainless-steel links.
- › Electronic stop in the intermediate positions in case of overload.
- › The stop in closing position is regulated by an electronic limit switch control.
- › Quick and easy installation: the manual closing position regulation is not required.
- › Suitable for combined installation with the additional locking device E-LOCK.
- › Versions with IP42 protection class, for a higher resistance against atmospheric agents, available upon request.

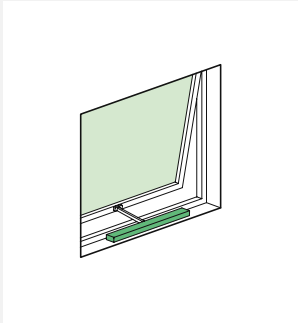
›  and  versions for USA and Canada.

- › 24 Vdc version is suitable for installation on Smoke and Heat Exhaust Ventilators (SHEV) in conformity to European Standard EN 12101-2, tested by Istituto Giordano.

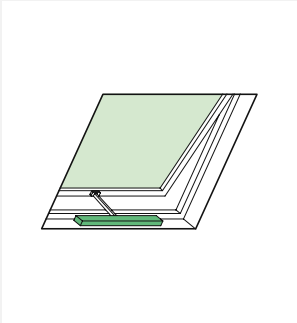
For installation remarks refer to the section at page 33 or contact UCS's technical department for further information.

POSSIBLE APPLICATIONS

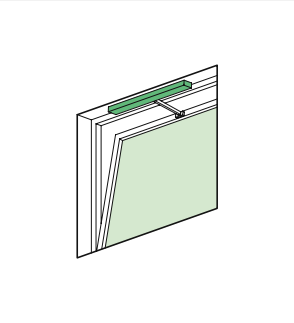
OUTWARD OPENING



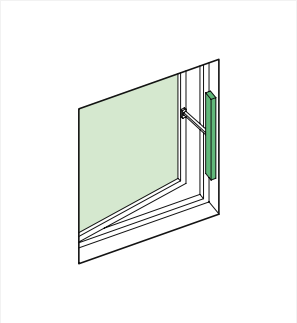
Top hung window.



Top hung roof window.



Bottom hung window.



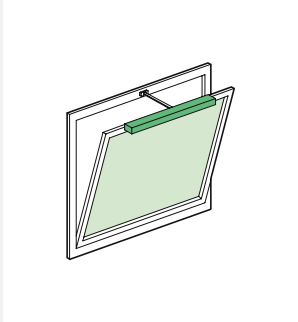
Side hung window.

LEGEND

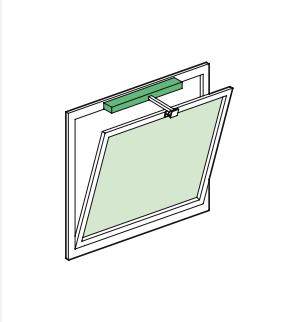
Common application

Special application

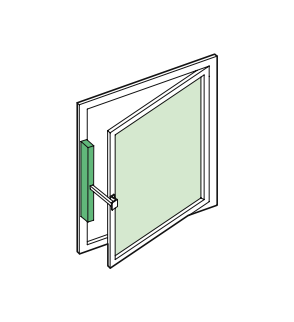
INWARD OPENING



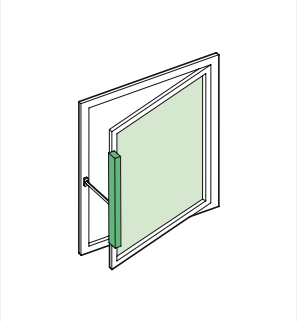
Bottom hung window.



Bottom hung window.



Side hung window.



Side hung window.



TECHNICAL DATA

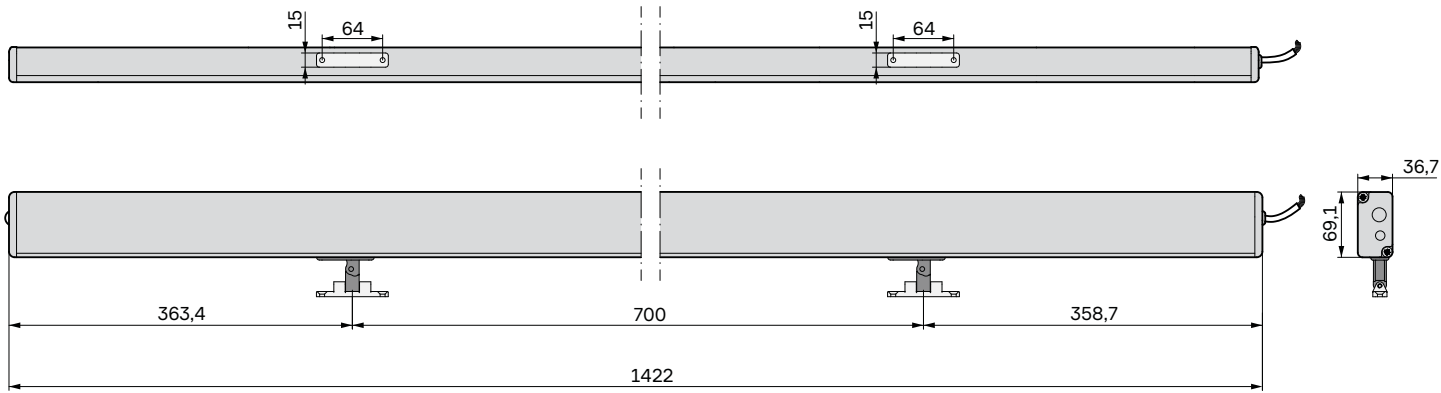
VERSION	AC VERSION (TWIN QUASAR)	DC VERSION (TWIN QUASAR)	DC VERSION (TWIN VEGA)
VOLTAGE SUPPLY	120 - 230 Vac	24 Vdc ± 10%	24 Vdc ± 10%
CURRENT ABSORPTION (max load)	0,9 A - 0,4 A	0,9 A	0,7 A
OPERATION	OP / COM / CL	polarity inversion	polarity inversion
MAX FORCE (see force/stroke diagram)	600 N	600 N	600 N
OPENING SPEED	≈ 15 mm/s	≈ 15 mm/s	≈ 9 mm/s
CLOSING SPEED	≈ 15 mm/s	≈ 15 mm/s	≈ 9 mm/s
LOCKING FORCE	5000 N	5000 N	5000 N
DUTY CYCLE	50%	50%	50%
PARALLEL CONNECTION	Yes	Yes	Yes
LIMIT STOP	Electronic	Electronic	Electronic
SAFETY STOP	Electronic	Electronic	Electronic
PROTECTION CLASS	IP40	IP40	IP30

NOTE: BMSline version available upon request.

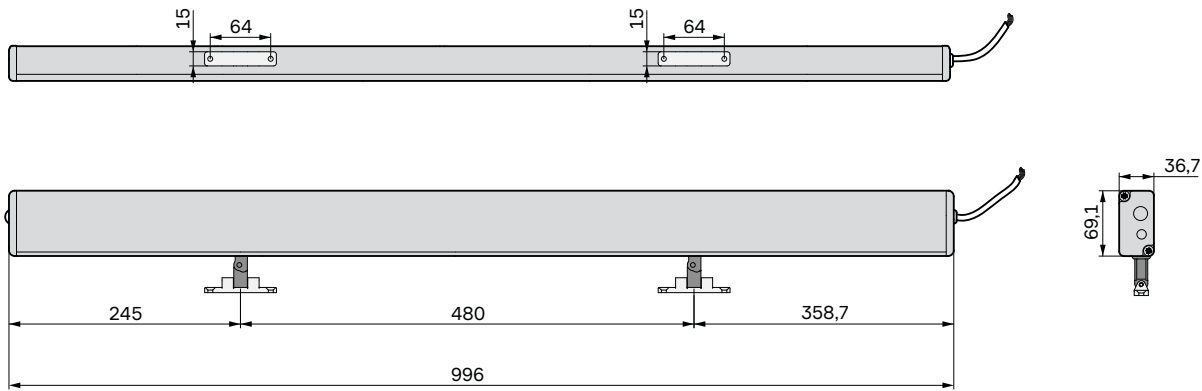
DIMENSIONS

Chain connector included.

TWIN QUASAR



TWIN VEGA



F-SIGNAL

The F-SIGNAL versions provide free potential opening and closing feedback signal (maintained contact), activated by the current limit.
The free potential feedback is often required to share with third part devices the status of the window.



BMSline

The BMSline version is fully programmable (stroke length, speed, force, ...) and addressable via the dedicated Modbus RTU communication line for the integration in the Building Management System.
Introducing special features like: real-time feedback, entrapment risk reduction, statistics, override of local push button by BMS, quite operation for Natural Ventilation and full speed for Smoke Ventilation.
For complete feature description refer to the BMSline section at page 20.

PART No.

AC POWER SUPPLY

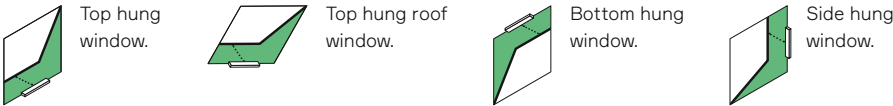
MODEL	SYNCHRO	FEEDBACK	CABLE	STROKE	→ COLOUR / ↓ PART No.		
					SILVER ANODIZED	BLACK RAL 9005	WHITE RAL 9010
TWIN QUASAR AC	-	-	3 m 3 wires + earth	500 mm	40989D	40990E	40991F

DC POWER SUPPLY (24 Vdc)

MODEL	SYNCHRO	FEEDBACK	CABLE	STROKE	→ COLOUR / ↓ PART No.		
					SILVER ANODIZED	BLACK RAL 9005	WHITE RAL 9010
TWIN QUASAR DC	-	-	3 m 2 wires	500 mm	40992G	40993H	40994I
TWIN QUASAR DC F-SIGNAL	-	Free potential Open/closed	3 m 5 wires	500 mm	41310C	41311D	41312E
TWIN VEGA DC	-	-	3 m 2 wires	300 mm	41245P	41246Q	41247R

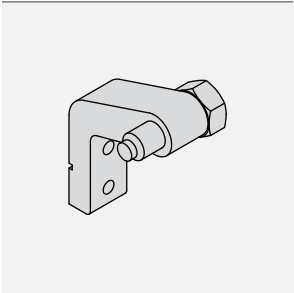
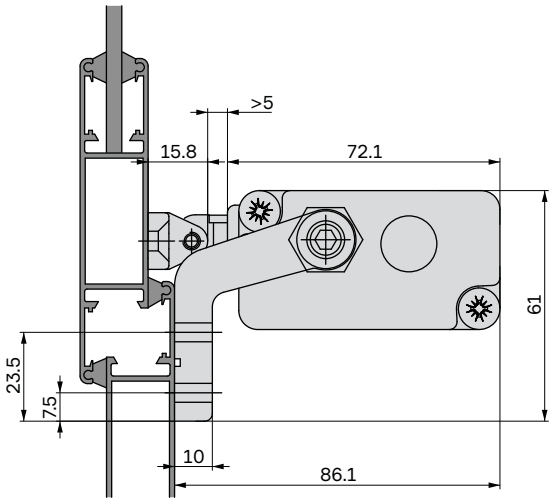
POSSIBLE APPLICATIONS & ACCESSORIES

OUTWARD OPENING



INSTALLATION EXAMPLE 01

TWIN QUASAR on the frame with pivoting bracket.

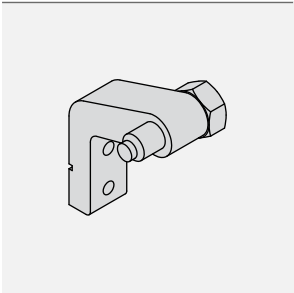
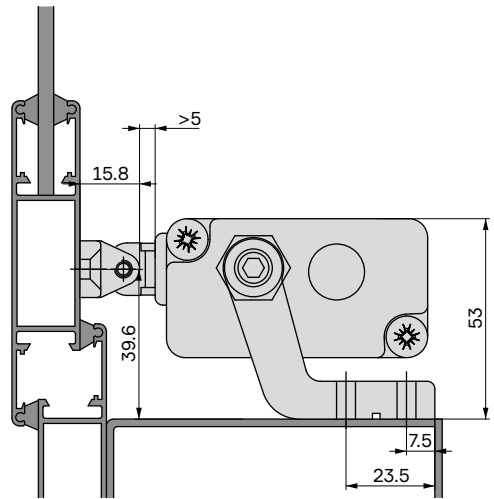


Pivoting bracket kit

SILVER ANODIZED	41906N
BLACK RAL 9005	41907O
WHITE RAL 9010	41908P

INSTALLATION EXAMPLE 02

TWIN QUASAR on windowsill with pivoting bracket.

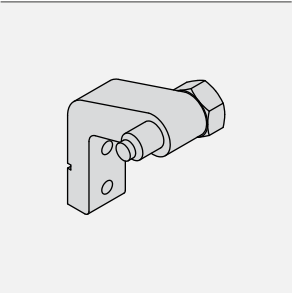
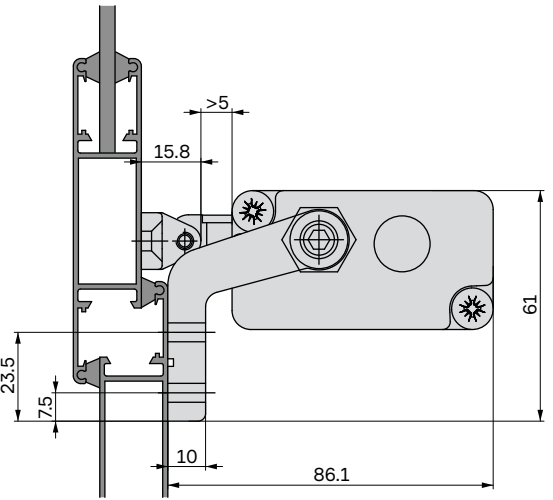


Pivoting bracket kit

SILVER ANODIZED	41906N
BLACK RAL 9005	41907O
WHITE RAL 9010	41908P

INSTALLATION EXAMPLE 03

TWIN VEGA on the frame with pivoting bracket.

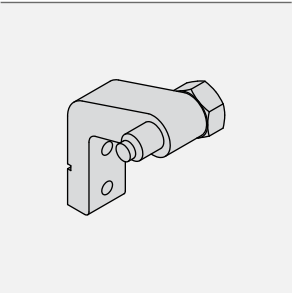
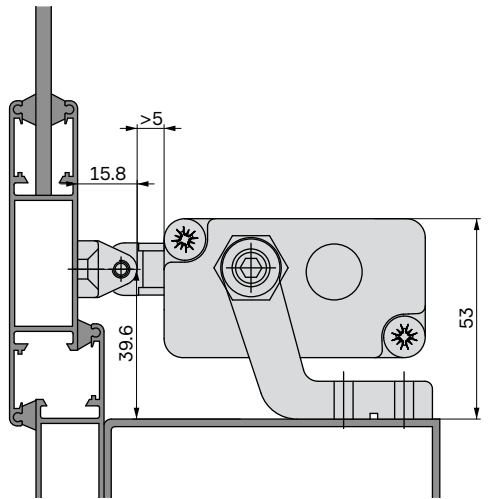


Pivoting bracket kit

SILVER ANODIZED	41906N
BLACK RAL 9005	41907O
WHITE RAL 9010	41908P

INSTALLATION EXAMPLE 04

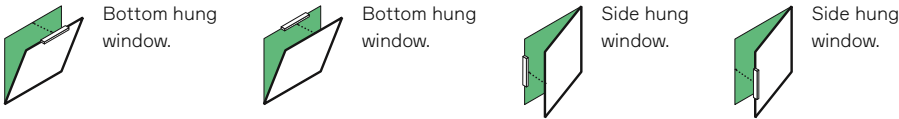
TWIN VEGA on windowsill with pivoting bracket.



Pivoting bracket kit

SILVER ANODIZED	41906N
BLACK RAL 9005	41907O
WHITE RAL 9010	41908P

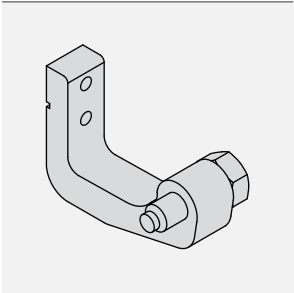
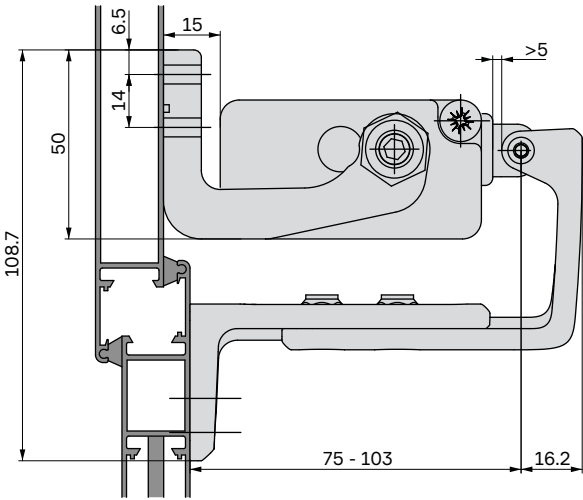
POSSIBLE APPLICATIONS & ACCESSORIES



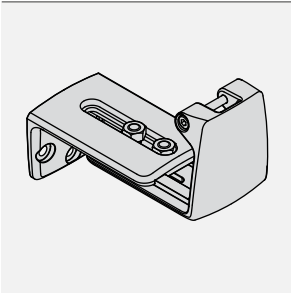
INWARD OPENING

INSTALLATION EXAMPLE 01

TWIN QUASAR on the frame with Z bracket kit.



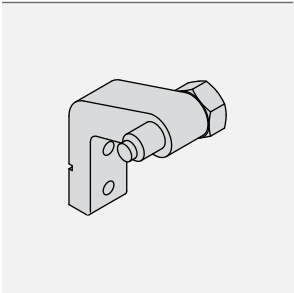
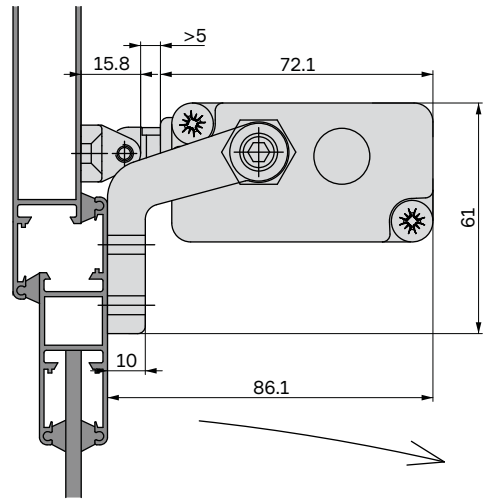
"C" pivoting bracket kit	
SILVER ANODIZED	41197Z
BLACK RAL 9005	41198A
WHITE RAL 9010	41199B



Adjustable Z bracket kit	
GREY RAL 9006	41709Z
BLACK RAL 9005	41710A
WHITE RAL 9010	41711B

INSTALLATION EXAMPLE 02

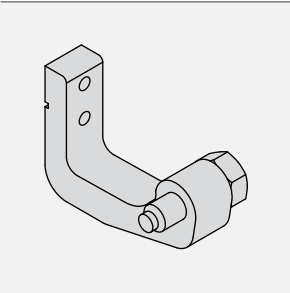
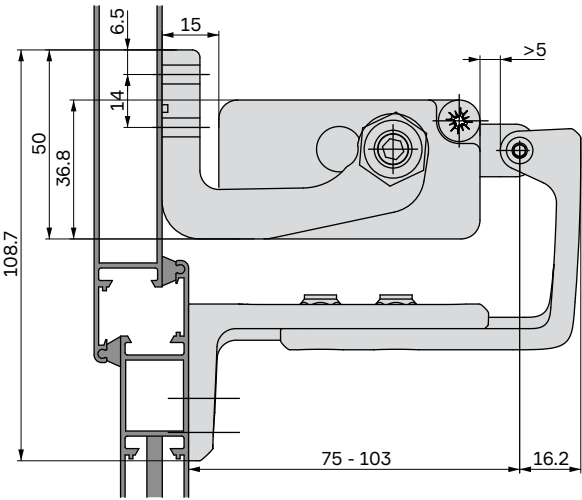
TWIN QUASAR on the vent with bracket kit.



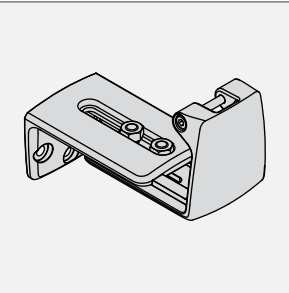
Pivoting bracket kit	
SILVER ANODIZED	41906N
BLACK RAL 9005	41907O
WHITE RAL 9010	41908P

INSTALLATION EXAMPLE 03

TWIN VEGA on the frame with Z bracket kit.



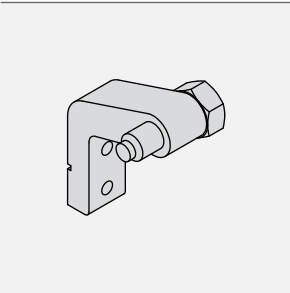
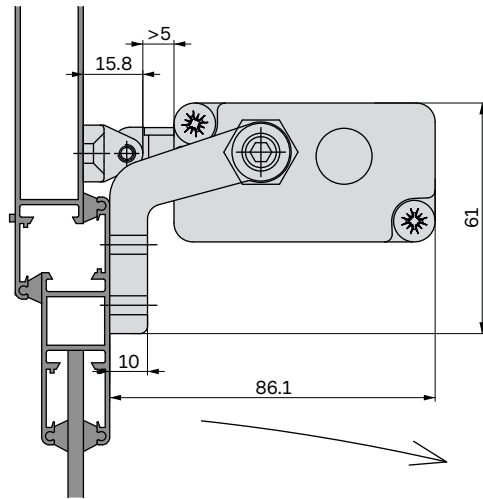
"C" pivoting bracket kit	
SILVER ANODIZED	41197Z
BLACK RAL 9005	41198A
WHITE RAL 9010	41199B



Adjustable Z bracket kit	
GREY RAL 9006	41709Z
BLACK RAL 9005	41710A
WHITE RAL 9010	41711B

INSTALLATION EXAMPLE 04

TWIN VEGA on the vent with bracket kit.



Pivoting bracket kit	
SILVER ANODIZED	41906N
BLACK RAL 9005	41907O
WHITE RAL 9010	41908P