

QUASAR L

24 Vdc | 120 - 230 Vac

Chain actuator

Force in push action up to 300 N

Stroke 600 - 750 - 1000 mm



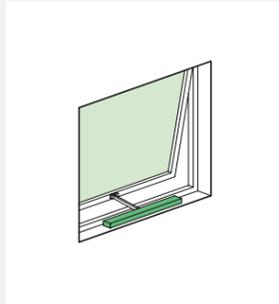
The solution for wide openings, up to 1000 mm.

- › Chain 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 and PLUSULTRA.
 - › Easy replacement of the cable, in case a different/longer cable or a different colour is required; upon request it is possible to supply actuators with cable exit by the opposite side.
 - › QUASAR L 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.

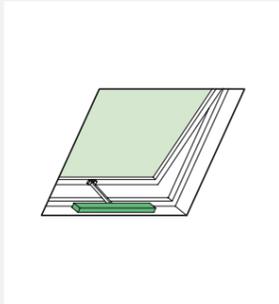


POSSIBLE APPLICATIONS

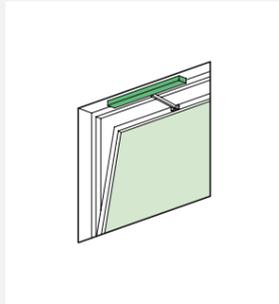
OUTWARD OPENING



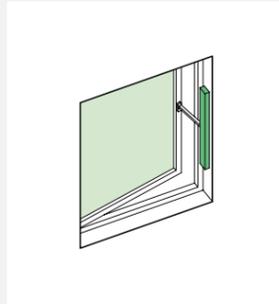
■ Top hung window.



■ Top hung roof window.



■ Bottom hung window.



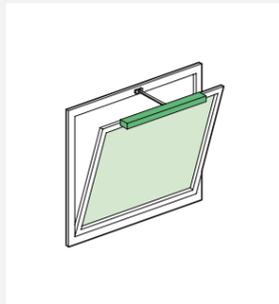
■ Side hung window.

LEGEND

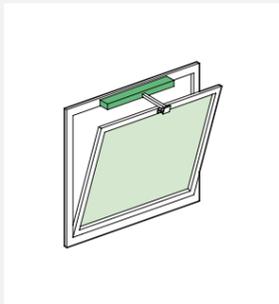
■ Common application

■ Special application

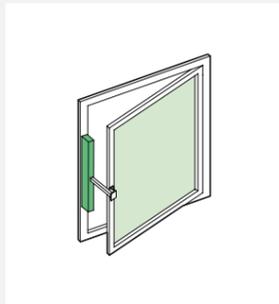
INWARD OPENING



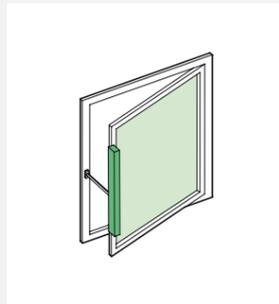
■ Bottom hung window.



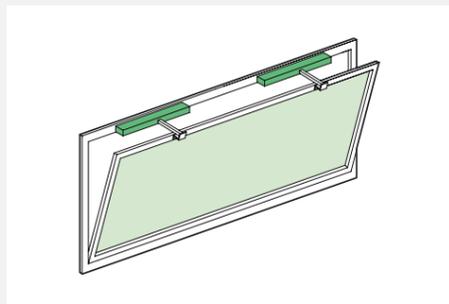
■ Bottom hung window.



■ Side hung window.



■ Side hung window.



■ Bottom hung window.



TECHNICAL DATA

VERSION	AC VERSION	DC VERSION	BMSline VERSION
VOLTAGE SUPPLY	120 - 230 Vac	24 Vdc ± 10%	24 Vdc ± 10%
CURRENT ABSORPTION (max load)	0,4 A - 0,2 A	0,9 A	0,9 A
OPERATION	OP / COM / CL	polarity inversion	programmable
MAX FORCE (see force/stroke diagram)	300 N	300 N	programmable up to 300 N
OPENING SPEED	≈ 15 mm/s	≈ 15 mm/s	programmable up to 15 mm/s
CLOSING SPEED	≈ 15 mm/s	≈ 15 mm/s	programmable up to 15 mm/s
LOCKING FORCE	3000 N*	3000 N*	3000 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**	IP40**

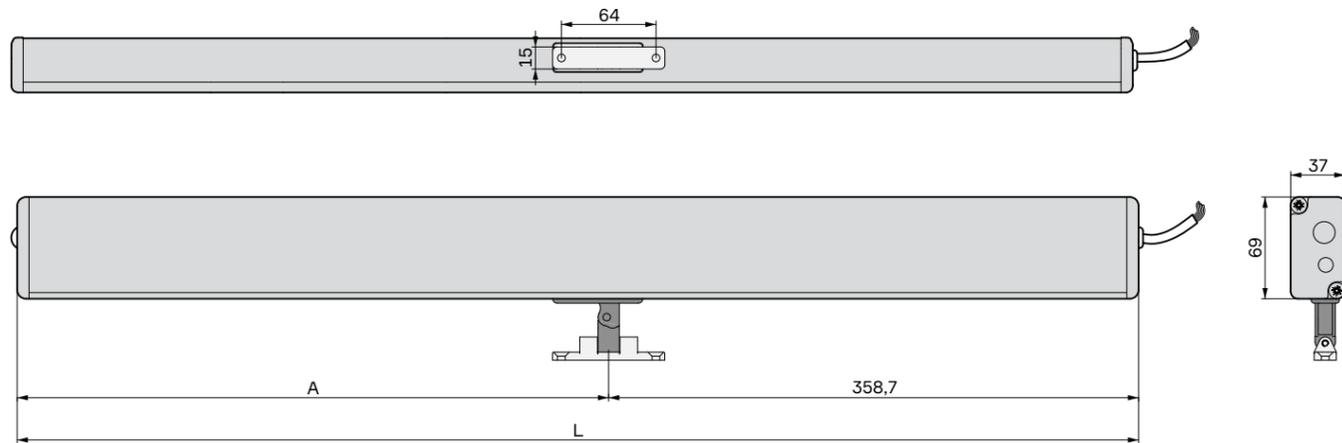
* Installation without pivoting brackets.

** Version with IP42 protection class available upon request.

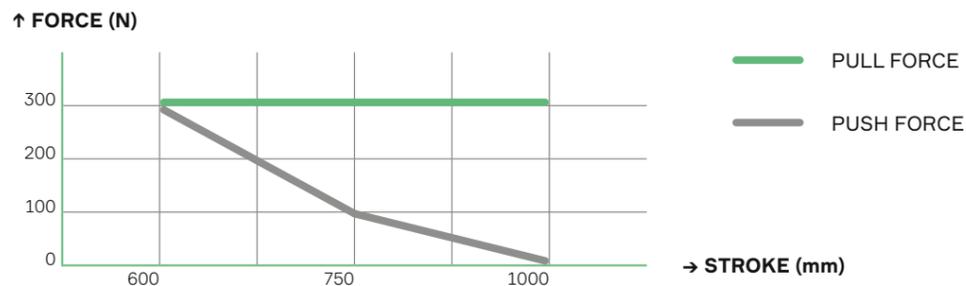
DIMENSIONS

Chain connector included.

STROKE	600	750	1000
A (mm)	400,3	475,3	600,3
L (mm)	759	834	959



STROKE / FORCE DIAGRAM



SYNCHRO

The QUASAR L SYNCHRO versions are equipped with an integrated speed synchronization control board for the installation of more than one actuator on the same vent, avoiding any external control panel (max 4 actuators + E-Lock). Available also in AC version: 1 QUASAR L SYNCHRO AC + 1 QUASAR L SYNCHRO DC (max 2 couples).

F-SIGNAL

The QUASAR L 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 windows.

BMSline

The QUASAR L 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, quiet operation for Natural Ventilation and full speed for Smoke Ventilation. For complete feature description refer to the BMSline section at page 20.

PART No.

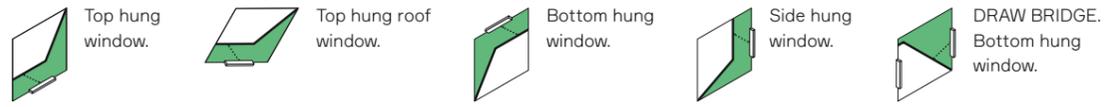
AC POWER SUPPLY (100 - 240 Vac)

MODEL	SYNCHRO	FEEDBACK	CABLE	STROKE	→ COLOUR / ↓ PART No.		
					SILVER ANODIZED	BLACK RAL 9005	WHITE RAL 9010
QUASAR L AC	-	-	3 m 3 wires + earth	600 mm	41052C	41053E	41054G
				750mm	41055J	41056L	41057N
				1000mm	41058R	41059T	41060B
QUASAR L AC SYNCHRO	Yes	-	2 x 3 m cables: › 3 wires + earth › 5 wires	600 mm	41286E	41287F	41288G
				750mm	41289H	41290I	41291J
				1000mm	41292K	41293L	41294M

DC POWER SUPPLY (24 Vdc)

MODEL	SYNCHRO	FEEDBACK	CABLE & BUS LINE	STROKE	→ COLOUR / ↓ PART No.		
					SILVER ANODIZED	BLACK RAL 9005	WHITE RAL 9010
QUASAR L DC	-	-	3 m 2 wires	600 mm	41061D	41062F	41063H
				750mm	41064K	41065M	41066P
				1000mm	41067S	41068U	41069W
QUASAR L DC SYNCHRO	Yes	-	3 m 5 wires	600 mm	41189G	41190R	41191T
				750mm	41212I	41240K	41241L
				1000mm	41242M	41243N	41244O
QUASAR L DC F-SIGNAL	-	Free potential Open/closed	3 m 5 wires	600 mm	41277V	41278W	41279X
				750mm	41280Y	41281Z	41282A
				1000mm	41283B	41284C	41285D
QUASAR L DC SYNCHRO F-SIGNAL	Yes	Free potential Open/closed	2x3m cables: › 5 wires › 3 wires	600 mm	41295N	41296O	41297P
				750mm	41298Q	41299R	41300S
				1000mm	41307T	41302U	41303V
QUASAR L BMSline	Yes	All features via BUS line	Supplied with 2x3 m cables: › 2 wires voltage supply › 2 wires Synchro/E-Lock › 3 wires local switch › 3 wires Modbus RTU › 2 wires smoke ventilation	600 mm	41632A	41633B	41634C
				750mm	41635D	41636E	41637F
				1000mm	41638G	41639H	41640I

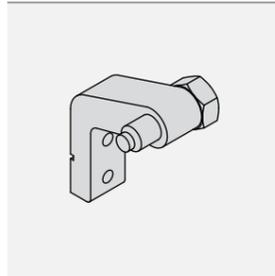
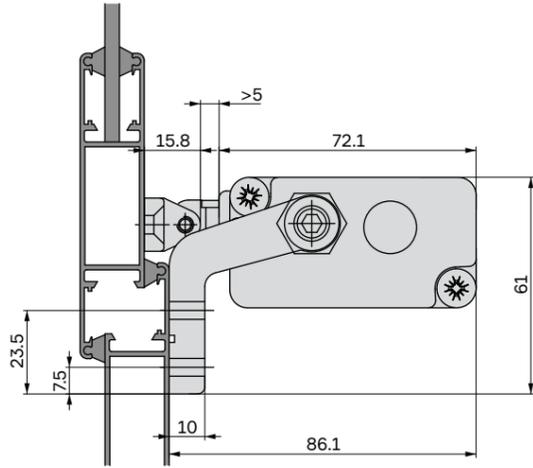
POSSIBLE APPLICATIONS & ACCESSORIES



OUTWARD OPENING

INSTALLATION EXAMPLE 01

On the frame with pivoting bracket.

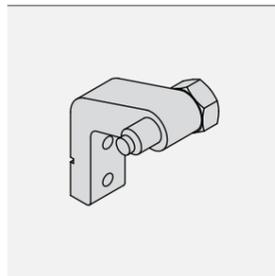
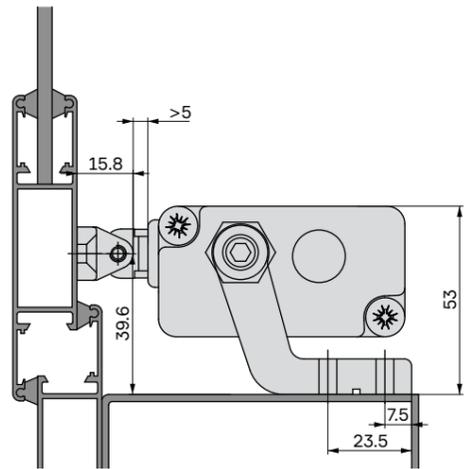


Pivoting bracket kit

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

INSTALLATION EXAMPLE 02

On windowsill with pivoting bracket.

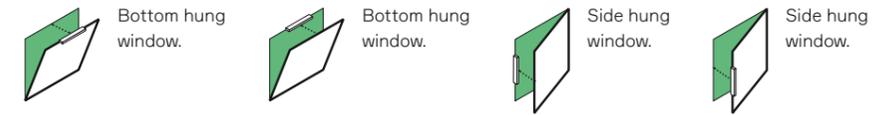


Pivoting bracket kit

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

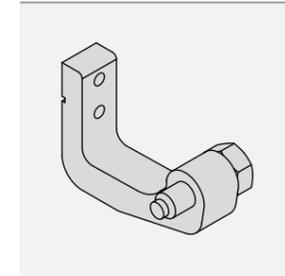
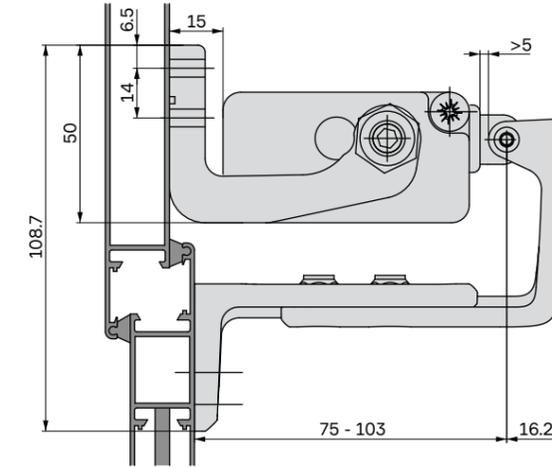
INWARD OPENING

POSSIBLE APPLICATIONS & ACCESSORIES



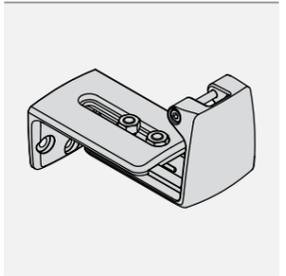
INSTALLATION EXAMPLE 01

On the frame with Z bracket kit.



"C" pivoting bracket kit

SILVER ANODIZED	41197Z
BLACK RAL 9005	41198A
WHITE RAL 9010	41199B

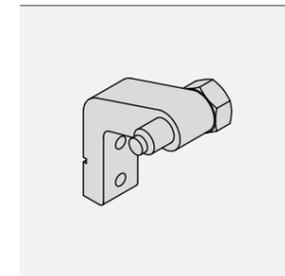
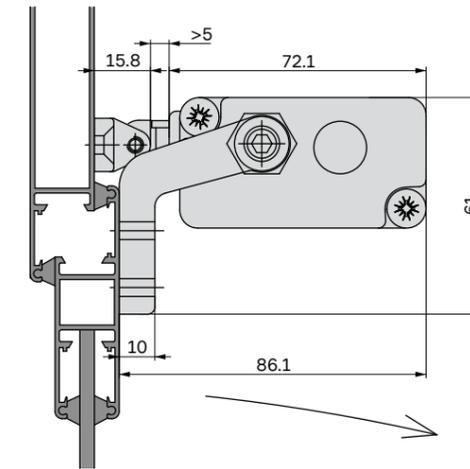


Adjustable Z bracket kit

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

INSTALLATION EXAMPLE 02

On the vent with bracket kit.



Pivoting bracket kit

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