

# CHAIN OPENERS

Opening mechanisms for top and bottom hinged windows



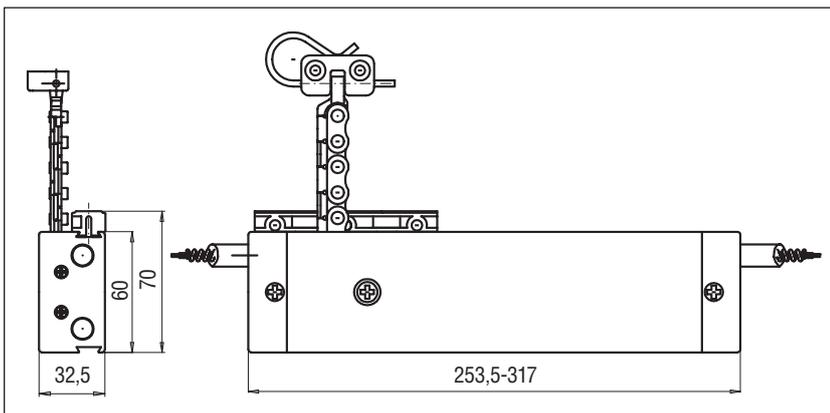
- Available with 250 mm or 380 mm stroke.
- Suitable for bottom hinged, top hinged and centre hinged windows.
- Versatility and simplicity of installation.
- Quick connection of the conduit to the chain opener: it's not necessary to work the conduit.
- Provided with quick release connector for an easy window cleaning.
- Minimum size: the minimum space for the mounting is 16 mm for top hinged windows and 36 mm for bottom hinged windows.
- The window opening stroke cannot exceed 1/3 of the window height. The chain stroke can be adjusted acting on the lock spring.
- The installation must be carried out in order to allow the cable working in pull action during the load operation (ex. in closing phase for bottom hinged windows and the opening phase for top hinged windows).
- In installations with two or more windows placed side by side, rotary junction boxes mechanism are not required.
- On windows wider than 1,5 m or anyway with a large area, for better stability to wind, it is suggested to install two or more chain openers.

PART No.	Stroke 250 mm	Stroke 380 mm
WHITE RAL 9010	37566D	37569I
BLACK ANODIZED	37565C	37568H
SILVER ANODIZED	37564B	37567E

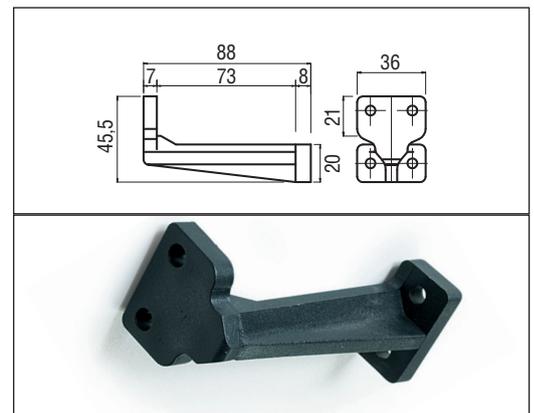
**⚠** The instructions for a safe installation are included in the section "SECURITY WARNINGS".  
On bottom hinged windows for safety reasons always install side checks.



Bracket for top hinged window (included)



Mechanism dimensions

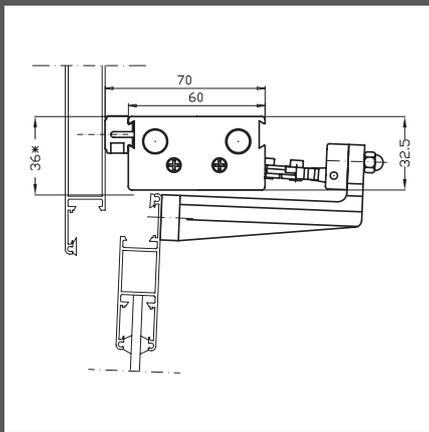


Bracket for bottom hinged part No. 37616T

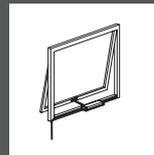
## Exemples of multiple installations



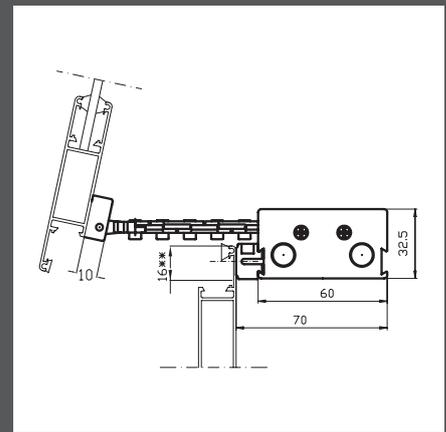
Bottom hinged windows



On window frame with included bracket and bracket for bottom hinged window part No. 37616T. Necessary space for installation 36 mm\*

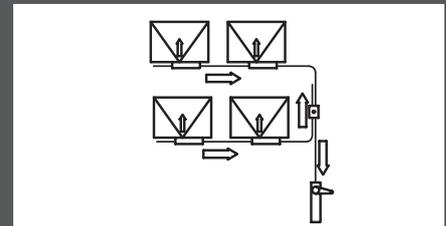
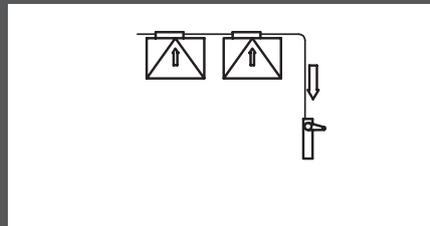
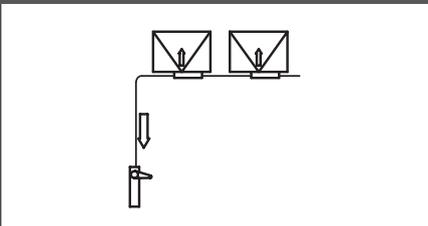


Top hinged window



On window frame with included bracket. Necessary space for installation 16 mm\*\*

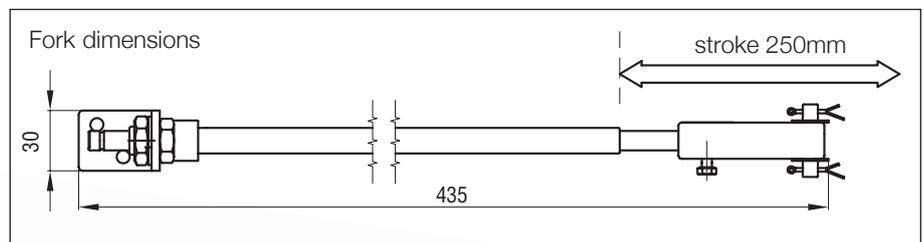
## Example of multiple installation



The arrows show direction of cable run during window opening

## FORKS

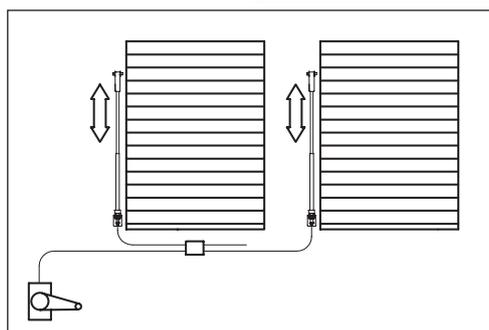
### Opening mechanisms for louvres



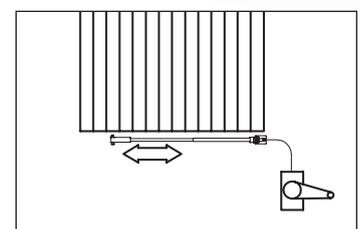
### FORK AND SWIVEL - HEAVY DUTY (travel 250 mm)

PART No. 30758E

- Suitable for horizontal or vertical sun louvre blades, both for one or more windows.
- Made in stainless steel, it's suitable both for internal and external installations.
- A geared operator should be used for sun-blades and vertical louvres with more than 10 blades or for horizontal louvres with more than 14 blades.
- For installation with more than one window, rotary junction boxes have to be used.



On horizontal louvre blades



On vertical sun blades