

# Product data sheet

## Powerchain

Chain drive for large and heavy window elements that need large opening widths



### Product features

Fast opening speeds in the case of smoke and heat extraction, even for very heavy windows
Drive stroke with variable adjustment and individual speeds for ventilation and smoke and heat extraction
Available as a special version - configurable stroke, cable length and colour
Integrated Syncro module which can operate a maximum of four drives without an external control unit
DIP switches for changing the mode of operation (Solo and Syncro, master, slave)
Fast and easy installation with the GEZE Smart fix installation system
IQ windowdrive - intelligent drive control
Tested in natural smoke and heat extraction devices in accordance with EN 12101-2

### Application Areas

Smoke and heat extraction and natural ventilation (24 V) in the façade and roof area
Can be used in the exhaust air and fresh air system
Inward- and outward-opening windows with bottom-hung, top-hung and side-hung leaves
Use on roof windows possible
Installation on wooden, plastic or metal windows
Casement and frame installation
Synchronisation of up to four drives
System solution in combination with the Power lock locking drive

### Product Data Table

Length	Stroke 600: 756 mm, stroke 800: 856 mm, stroke 1200: 1056 mm (each with consoles)
Space required on frame (min.)	Frame installation inward-opening: 50/61 mm (for swing leaf DIN L), casement installation inward-opening: 30/41 mm (for swing leaf DIN R), frame installation outward-opening: 50 mm
Space requirement on leaf (min.)	Frame installation inward-opening: 40 mm, casement installation inward-opening: 50 mm, Frame installation outward-opening 30/41 mm (for swing leaf DIN R)
Possible stroke heights	600 mm, 800 mm, 1200 mm
Tensile force (max.)	600 N
Force of pressure (max.)	600 N (depending on stroke), see force-path diagram
Holding force (max.)	3000 N
Leaf weight (max.)	200 kg*
Current consumption	Ventilation (24 V): 1.2 A; RWA (18 V): 1.5 A

Cable dimensions	4 x 0.75 mm <sup>2</sup>
Complete opening within 60 s	yes, up to 800 mm stroke, including locking drive
Synchronisation (max.)	3 drives
INWARD-opening bottom-hung window frame installation	Yes
INWARD-opening bottom-hung window casement installation	Yes
OUTWARD-opening bottom-hung window frame installation	Yes
INWARD-opening side-hung window frame installation	Yes
INWARD-opening side-hung window casement installation	Yes
OUTWARD-opening side-hung window frame installation	Yes
INWARD-opening top-hung window frame installation	Yes
INWARD-opening top-hung window casement installation	Yes
OUTWARD-opening top-hung window frame installation	Yes
OUTWARD-opening roof window	Yes

### Accessory

Product name
Konsolensatz
Konsolensatz A Powerchain
Konsolensatz B Powerchain
Konsolensatz Dach D1
Konsolensatz Dach D2
Bracket set roof D3
Konsolensatz nach Wahl Powerchain
SICHERHEITSSCHERE 35
SICHERHEITSSCHERE 60
Zubehör Kettenantriebe
Service case IQ windowdrive