VEGA

Chain actuator
Force in push action 300 N
Maximum stroke 300 mm

High performance in small die-cast aluminum casing (45 x 32 mm).

> Chain in double stainless-steel links, exit in central position.

> 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.

> VEGA 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.
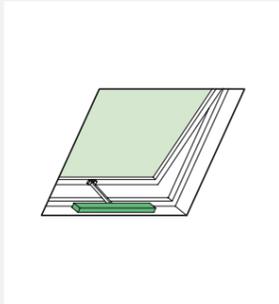
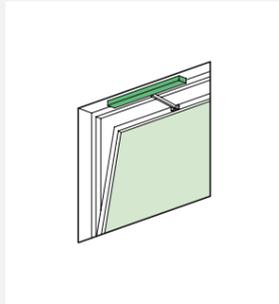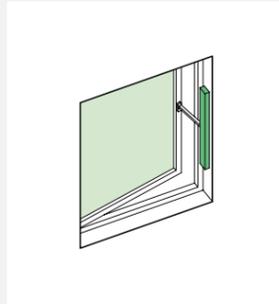STD   SYNC   F/SIGN   BMS

POSSIBLE APPLICATIONS

OUTWARD OPENING
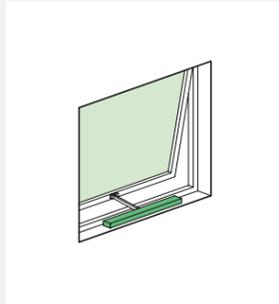
Top hung window.

Top hung roof window.

Bottom hung window.
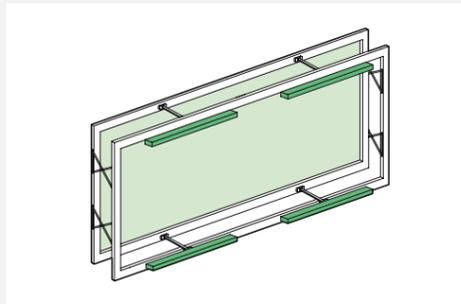
Side hung window.

Parallel window.

INWARD OPENING
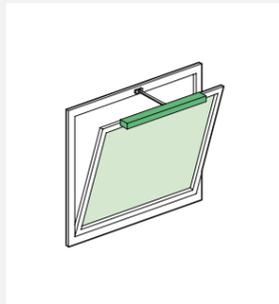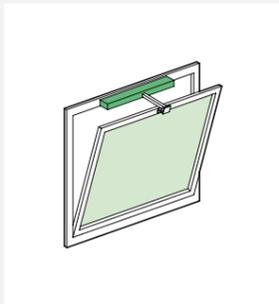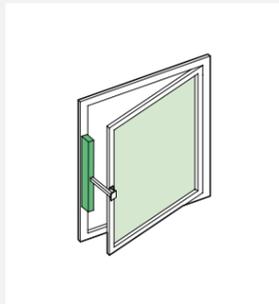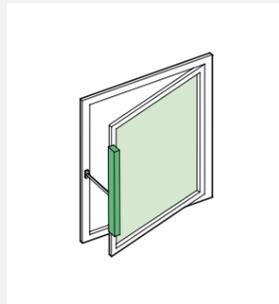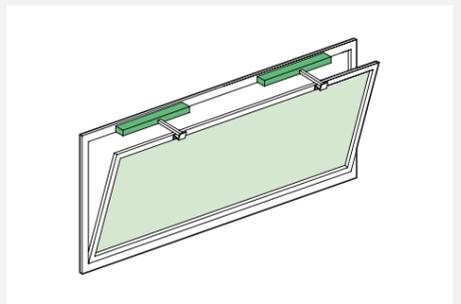

Bottom hung window.

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)	0,3 A - 0,15 A	0,7 A	0,7 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	≈ 9 mm/s	≈ 9 mm/s	programmable up to 9 mm/s
CLOSING SPEED	≈ 9 mm/s	≈ 9 mm/s	programmable up to 9 mm/s
LOCKING FORCE	2500 N*	2500 N*	2500 N*
DUTY CYCLE	50%	50%	50%
PARALLEL CONNECTION	Yes	Yes	Yes
LIMIT STOP	Electronic	Electronic	Electronic
SAFETY STOP	Electronic	Electronic	Electronic
PROTECTION CLASS	IP30	IP30	IP30

* Installation without pivoting brackets.

DIMENSIONS

Chain connector included.
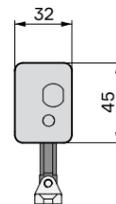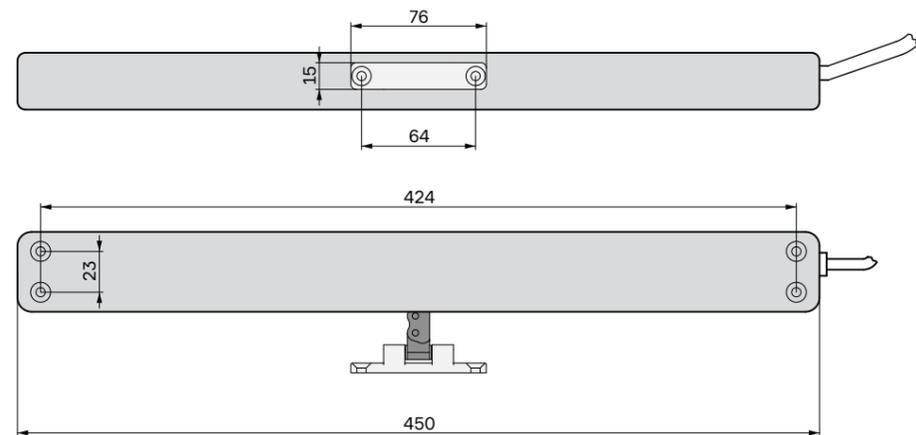
SYNCHRO

The VEGA 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).

F-SIGNAL

The VEGA 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 VEGA 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 (100 - 240 Vac)

MODEL	SYNCHRO	FEEDBACK	CABLE & BUS LINE	STROKE	→ COLOUR / ↓ PART No.		
					GREY RAL 9006	BLACK RAL 9005	WHITE RAL 9010
VEGA AC	-	-	1,5 m 3 wires + earth	300 mm	40900K	40901L	40902M

DC POWER SUPPLY (24 Vdc)

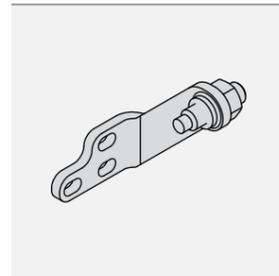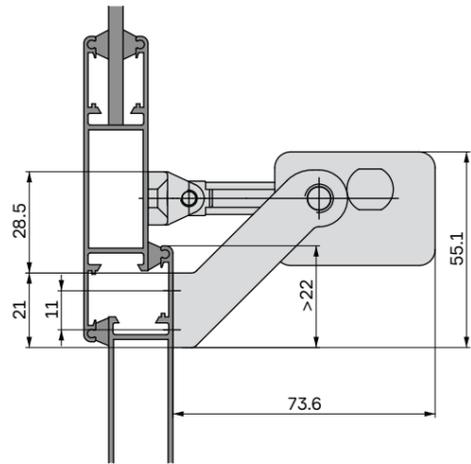| MODEL	SYNCHRO	FEEDBACK	CABLE & BUS LINE	STROKE	→ COLOUR / ↓ PART No.		
					GREY RAL 9006	BLACK RAL 9005	WHITE RAL 9010
VEGA DC	-	-	1,5 m 2 wires	300 mm	40903N	40904O	40905P
VEGA DC SYNCHRO	Yes	-	3 m 5 wires	300 mm	41122C	41123D	41124E
VEGA DC F-SIGNAL	-	Free potential Open/Closed	1,5 m 5 wires	300 mm	41304W	41305X	41306Y
VEGA DC SYNCHRO F-SIGNAL	Yes	Free potential Open/Closed	2x3m cables: › 5 wires › 3 wires	300 mm	41307Z	41308A	41309B
VEGA 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	300 mm	41579Z	41580A	41581B

POSSIBLE APPLICATIONS & ACCESSORIES   OUTWARD OPENING

Top hung window.

Top hung roof window.

Bottom hung window.

Side hung window.

Parallel window.

INSTALLATION EXAMPLE 01   With long slim bracket kit.

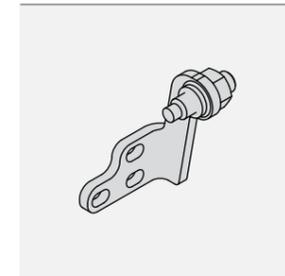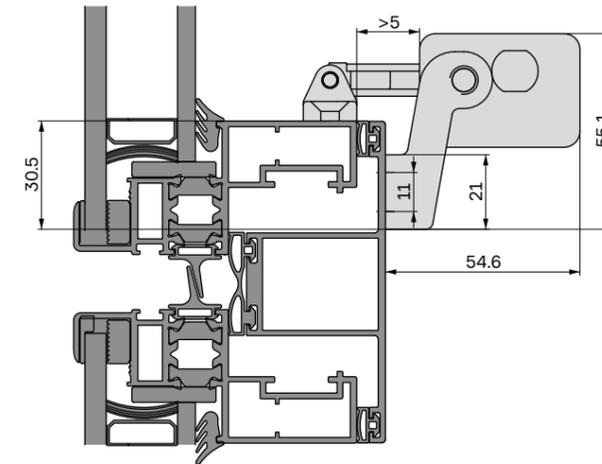**Long slim bracket kit**

GREY RAL 9006	41898F
BLACK RAL 9005	41899G
WHITE RAL 9010	41900H

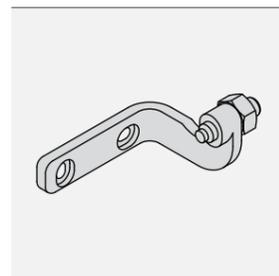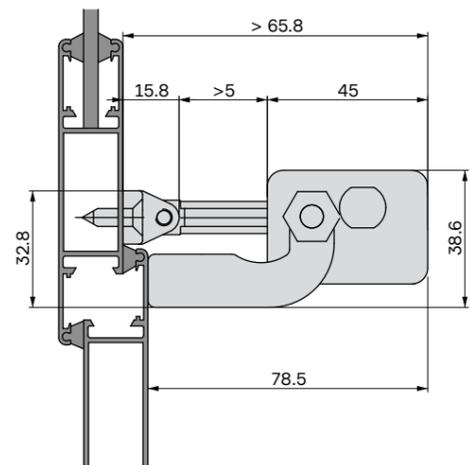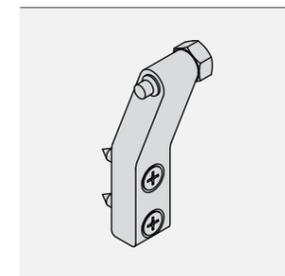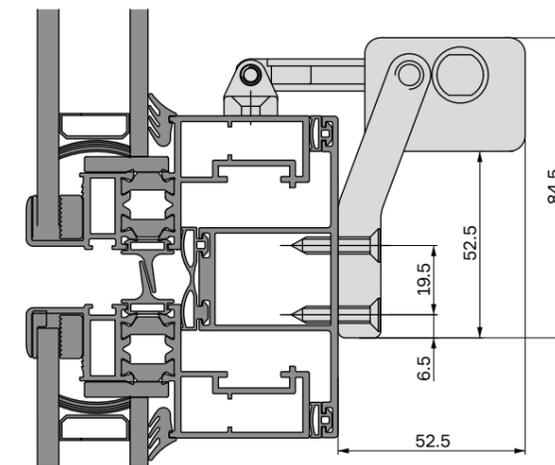## INSTALLATION EXAMPLE 02   With die-cast bracket kit.

Die-cast bracket kit

GREY RAL 9006	40843F
BLACK RAL 9005	40844G
WHITE RAL 9010	40845H

INSTALLATION EXAMPLE 03   With windowsill with die-cast bracket.

Die-cast bracket kit

GREY RAL 9006	40843F
BLACK RAL 9005	40844G
WHITE RAL 9010	40845H

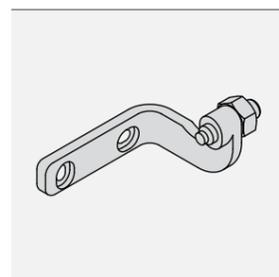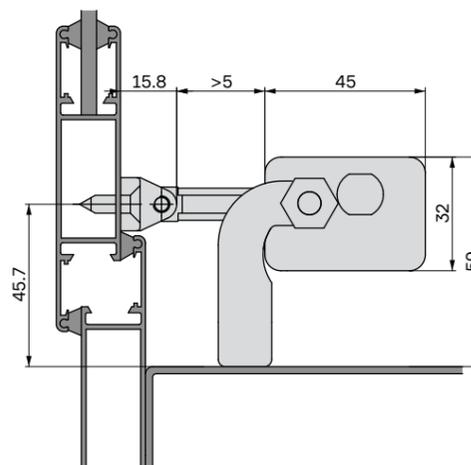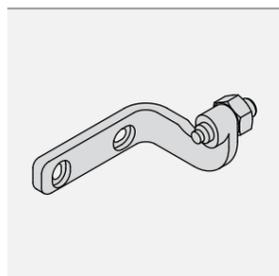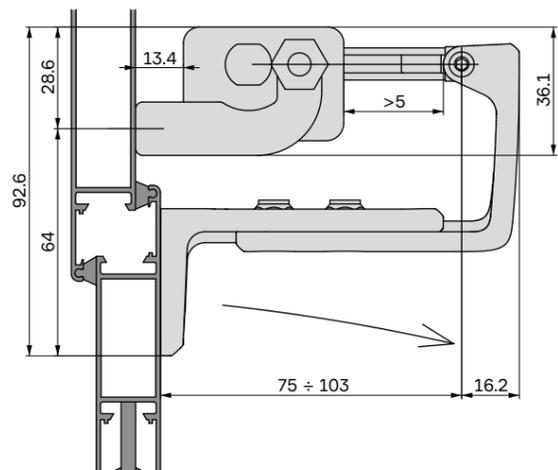## INSTALLATION EXAMPLE 04   Concealed vent with short slim bracket kit.

Short slim bracket kit

GREY RAL 9006	41901I
BLACK RAL 9005	41902J
WHITE RAL 9010	41903K

INSTALLATION EXAMPLE 05   Concealed vent with long bracket kit.

Long bracket kit

GREY RAL 9006	40941H
BLACK RAL 9005	40942I
WHITE RAL 9010	40943J

POSSIBLE APPLICATIONS & ACCESSORIES   INWARD OPENING

Bottom hung window.

Bottom hung window.
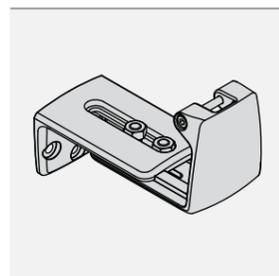
Side hung window.

Side hung window.

Bottom hung window.

INSTALLATION EXAMPLE 01   On the frame with adjustable Z bracket.

Die-cast bracket kit

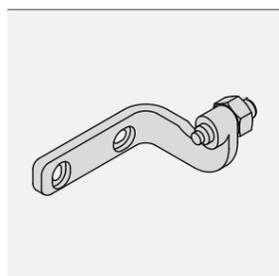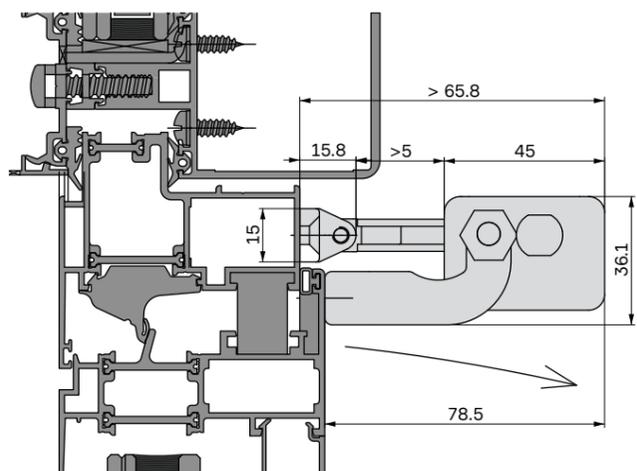|	
GREY RAL 9006	40843F
BLACK RAL 9005	40844G
WHITE RAL 9010	40845H

Adjustable Z bracket kit

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

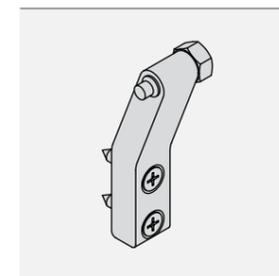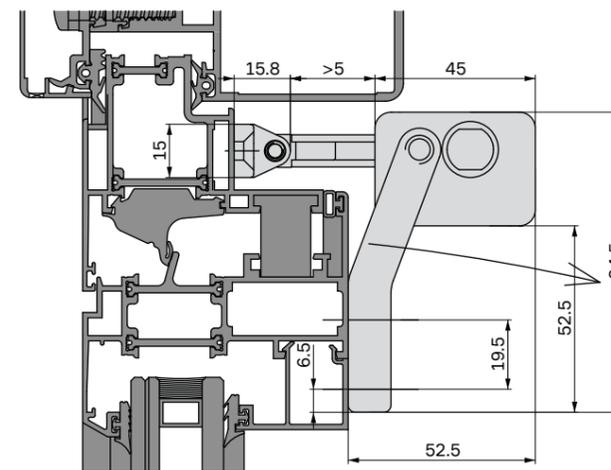## INSTALLATION EXAMPLE 02   On the vent with die-cast braket kit.

Die-cast bracket kit

GREY RAL 9006	40843F
BLACK RAL 9005	40844G
WHITE RAL 9010	40845H

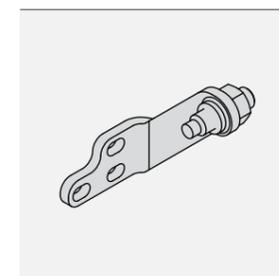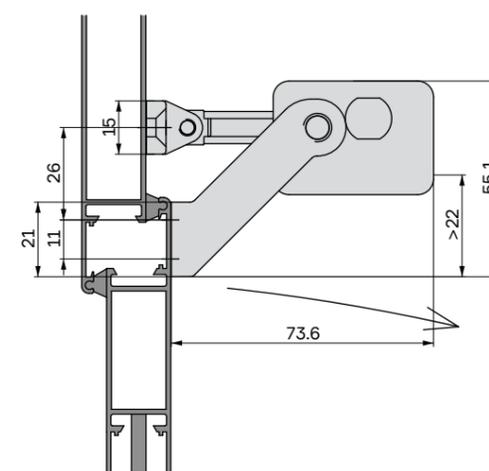## INSTALLATION EXAMPLE 03   On the vent with long bracket kit.

Long bracket kit

GREY RAL 9006	40941H
BLACK RAL 9005	40942I
WHITE RAL 9010	40943J

INSTALLATION EXAMPLE 04   On the vent with long slim bracket kit.

Long slim bracket kit

GREY RAL 9006	41898F
BLACK RAL 9005	41899G
WHITE RAL 9010	41900H