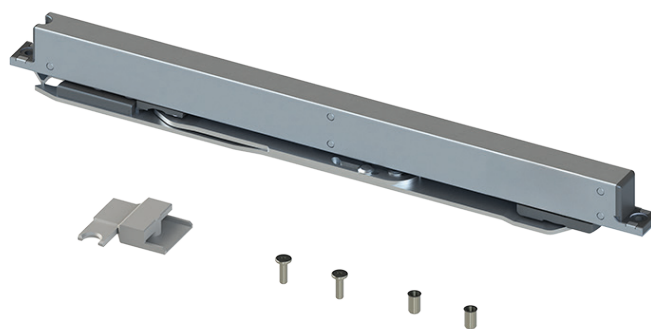




Functions

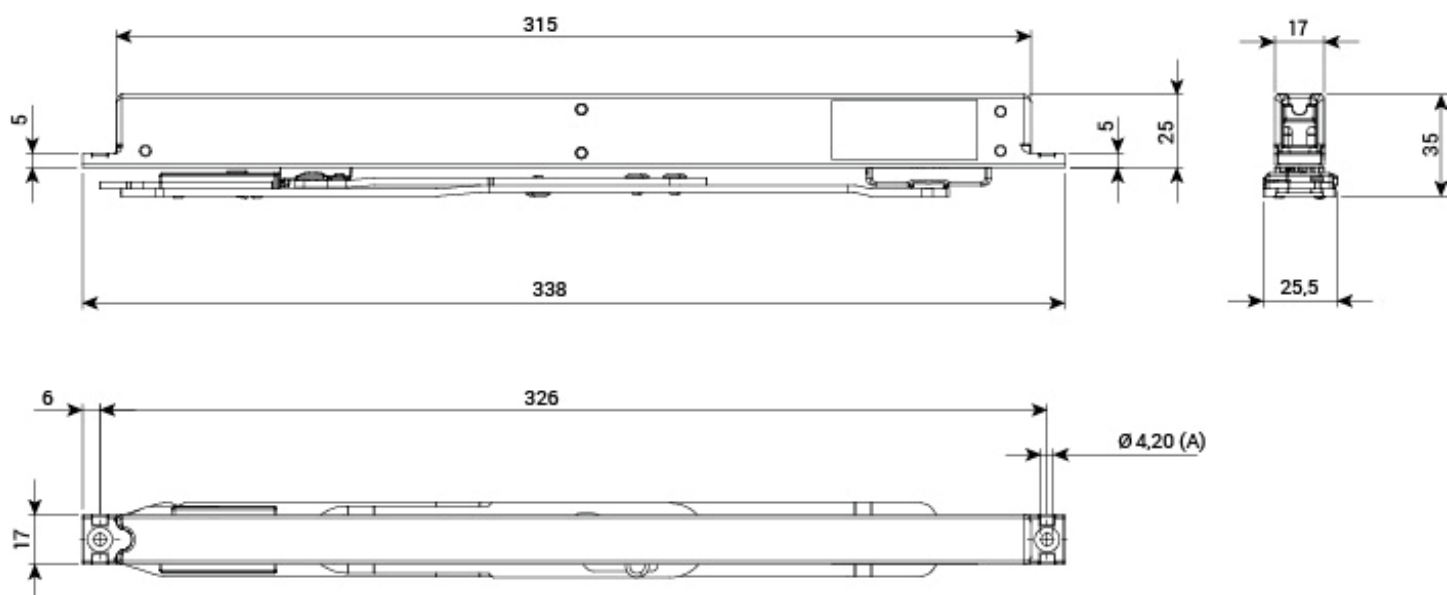
SMART CHIC T&T Drive is a concealed motorised actuator for tilt-and-turn windows fitted with CHIC hardware. Integrated within the window frame, it automates opening and closing whilst maintaining a minimalist aesthetic. It can be operated via a local push-button or integrated into building control and automation systems via an RS485 interface. When used in conjunction with the GIESSE SMART BRIDGE (code 07854) and the GIESSE SMART App, it enables system configuration, control, diagnostics and monitoring.

Technical Features

The actuator is powered by 24 V DC and generates a maximum force of 600 N. It is available in right- and left-hand versions to suit different configurations of windows and doors and is designed for use with a single actuator per window and door. Communication with external systems takes place via a half-duplex RS485 interface, whilst configuration and control can be carried out via the GIESSE SMART App and SMART BRIDGE. The sash opens to 90 ± 5 mm with the T1 arm and 160 ± 10 mm with the T2 arm, at a rated speed of 3.1 mm/s. The device is fitted with a 2 m integrated cable, has an IP20 protection rating and is suitable for use indoors at operating temperatures between -10 °C and $+60$ °C.

Materials

- Anodized extruded aluminium body.
- AISI 304 stainless steel opening arm
- Nylon actuator plugs
- Nylon assembly template
- Stainless steel fixing screws and rivets for securing the actuator



(A) 2 holes

Technical data

Model	SMART CHIC T/T DRIVE
Item code	078591-078592
Power supply voltage	24V DC $\pm 10\%$
Power consumption at rated load	220 mA
Nominal load absorbed power	5,5 W
Maximum rated linear force	600 N
Maximum applicable sash weight	According to Limiti Kit A/R Chic
Door opening (A/R T1 arm)	90 ± 5 mm
Maximum sash opening (A/R T2 arm)	160 ± 10 mm
Sash opening/closing travel: 90 mm	44 s
Sash opening/closing travel: 160 mm	66 s
Sash opening/closing speed	3,1 mm/s
Protection rating	IP20
Operating temperature	-10°C / +60°C
Electrical insulation	Class III
Service type	S2 – 5 minutes
No. of consecutive cycles	2
Actuator version for opening the sash	Right/Left
Parallel electrical connection of several actuators on the same window	No
Parallel electrical connection of several actuators on different windows	Yes
Synchronised operation	No
Limit switches for opening and closing	Magnetic Sensor
Power cable length	2 m
Dimensions	17 X 25 L.338mm
Weight	0,450 Kg

Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
078591	SMART CHIC T/T DRIVE	right	X				1
078592	SMART CHIC T/T DRIVE	left	X				1

SMART CHIC KIT – MECHANISM WITHOUT AN INCORRECT MOVEMENT SAFETY DEVICE



Functions

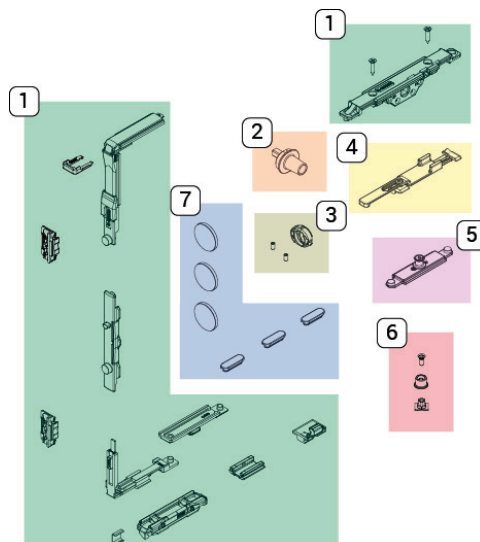
The SMART CHIC Mechanism Kit is the hardware kit designed for the SMART CHIC T&T solution, developed for integration with the SMART CHIC T&T Drive concealed actuator. It enables the window and door to be fitted for motorised operation whilst retaining the option of manual operation via a removable window handle. The kit ensures seamless integration between the CHIC hardware, the actuator and the connection devices, guaranteeing the system's correct operation.

Technical Features

The kit includes the dedicated CHIC mechanism (without an incorrect movement safety device), the motor engagement pawl, the bypass, the cover caps for the hole in the removable window handle (part number 07856) and for emergency access to the motor, as well as the fixing components and templates required for installation. It is designed for use with the SMART CHIC T&T Drive system (code 078591-2) and must be configured according to the type of opening, the dimensions of the window or door, and the stroke required by the actuator.

Materials

- 1 - fastening mechanism made of zamak and stainless steel screws
- 2 - nylon assembly templates
- 3 - removable nylon handle insert with stainless steel grub screws
- 4 - zamak bypass selector switch
- 5 - actuator arm mounting bracket made from AISI 304 stainless steel
- 6 - additional bypass pawl made of zamak and a steel screw
- 7 - handle hole plugs and emergency machining plugs made of painted nylon



SMART CHIC / CHIC 150

Peso (kg) - Weight (kg) - Poids (kg) - Gewicht (kg) - Peso (kg) - Масса (kg)														
Vento (km/h) - Wind (km/h) - Vent (km/h) - Wind (km/h) - Viento (km/h) - Berezp (km/h)														
	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)
2500	100	32	100	30	100	30	100	28	100	27	100	26	100	25
2400	100	33	100	31	100	30	100	29	100	28	100	27	100	26
2300	100	33	100	31	100	31	100	29	100	28	100	27	100	26
2200	100	34	100	32	100	31	100	30	100	29	100	28	100	27
2100	100	35	100	33	100	32	100	31	100	30	100	29	100	28
2000	100	36	100	34	100	33	100	32	100	30	100	29	100	28
1900	100	37	100	35	100	34	100	32	100	31	100	30	100	29
1800	100	38	100	36	100	35	100	33	100	32	100	31	100	30
1700	100	39	100	37	100	36	100	34	100	33	100	32	98	31
1600	100	40	100	38	100	37	100	35	100	34	99	33	92	32
1500	100	41	100	39	100	38	100	36	100	35	93	34	87	33
1400	100	43	100	39	100	38	100	37	93	36	87	35	81	34
1300	100	45	100	39	100	38	94	38	87	38	80	36	75	35
1200	100	46	97	40	95	40	80	41	80	39	74	38	69	36
1100	100	48	91	41	87	41	79	41	73	41	68	39		
1000	98	51	83	48	79	47	72	45	67	43				
900	87	53	74	50	71	49	65	47						
800	77	57	66	53	63	52								
700	67	61												
600	67	66												
	930		1050		1100		1200		1300		1400		1500	
	T1		T2											
L	Larghezza anta (mm) - Anchura hoja (mm) - Wing width (mm) - Flügelbreite (mm) Largeur vantail (mm) - Ширина створки (мм)													

- Apertura max 90 mm - Maximum opening 90 mm - Ouverture max. 90 mm - Öffnung max. 90 mm -
 Apertura máx. 90 mm - Макс. открытие 90 мм
 Non realizzabile - Not possible - Irréalisable - Nicht möglich - No puede realizarse - Не может быть выполнено

Table of maximum load capacity [kg]

SMART CHIC / CHIC 100

Peso (kg) - Weight (kg) - Poids (kg) - Gewicht (kg) - Peso (kg) - Масса (kg)														
Vento (km/h) - Wind (km/h) - Vent (km/h) - Wind (km/h) - Viento (km/h) - Ветер (km/h)														
	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)	(kg)	(km/h)
2500	100	32	100	30	100	30	100	28	100	27	100	26	100	25
2400	100	33	100	31	100	30	100	29	100	28	100	27	100	26
2300	100	33	100	31	100	31	100	29	100	28	100	27	100	26
2200	100	34	100	32	100	31	100	30	100	29	100	28	100	27
2100	100	35	100	33	100	32	100	31	100	30	100	29	100	28
2000	100	36	100	34	100	33	100	32	100	30	100	29	100	28
1900	100	37	100	35	100	34	100	32	100	31	100	30	100	29
1800	100	38	100	36	100	35	100	33	100	32	100	31	100	30
1700	100	39	100	37	100	36	100	34	100	33	100	32	98	31
1600	100	40	100	38	100	37	100	35	100	34	99	33	92	32
1500	100	41	100	39	100	38	100	36	100	35	93	34	87	33
1400	100	43	100	39	100	38	100	37	93	36	87	35	81	34
1300	100	45	100	39	100	38	94	38	87	38	80	36	75	35
1200	100	46	97	40	95	40	80	41	80	39	74	38	69	36
1100	100	48	91	41	87	41	79	41	73	41	68	39		
1000	98	51	83	48	79	47	72	45	67	43				
900	87	53	74	50	71	49	65	47						
800	77	57	66	53	63	52								
700	67	61												
600	67	66												
	930		1050		1100		1200		1300		1400		1500	
	T1		T2											
L	Larghezza anta (mm) - Anchura hoja (mm) - Wing width (mm) - Flügelbreite (mm) Largeur vantail (mm) - Ширина створки (мм)													

- Apertura max 90 mm - Maximum opening 90 mm - Ouverture max. 90 mm - Öffnung max. 90 mm -
 Apertura máx. 90 mm - Макс. открытие 90 мм
 Non realizzabile - Not possible - Irréalisable - Nicht möglich - No puede realizarse - Не может быть выполнено

Table of maximum load capacity [kg]

Item code	Description	PROFILE CROSS - SECTION	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
078551	MECCANIS KIT - WITHOUT INCORRECT MOVEMENT SAFETY DEVICES		right	X				1
078552	MECCANIS KIT - WITHOUT INCORRECT MOVEMENT SAFETY DEVICES		left	X				1

ARIA REMOVABLE MECHANISM



Functions

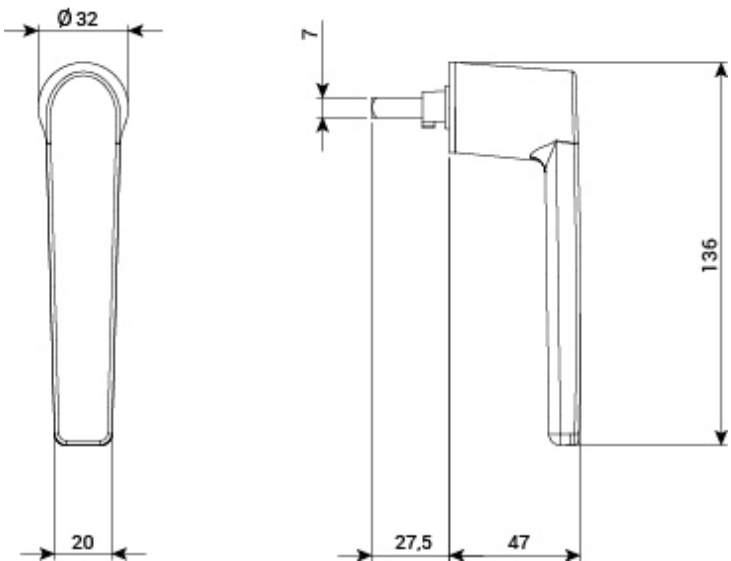
Removable window handle for the SMART CHIC T&T system, featuring the ARIA range's design and designed for the concealed actuator. It is not left fitted to the window and door during normal use to ensure the window and door's minimalist design, and is used only for maintenance, cleaning or to open the window fully by hand. The customer may opt for fewer handles than the number of windows installed, depending on the project layout and requirements.

Technical Features

The window handle has been designed for use with the actuator (part number 078591-2) and must be used in conjunction with the hardware accessory kit (part number 078551-2) provided for the SMART CHIC T&T solution. It features a square pin with a 7 mm cross-section.

Materials

- Nylon handle
- Square pin in zinc plated steel



Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
07856	ARIA REMOVABLE MECHANISM		X		X		1



Functions

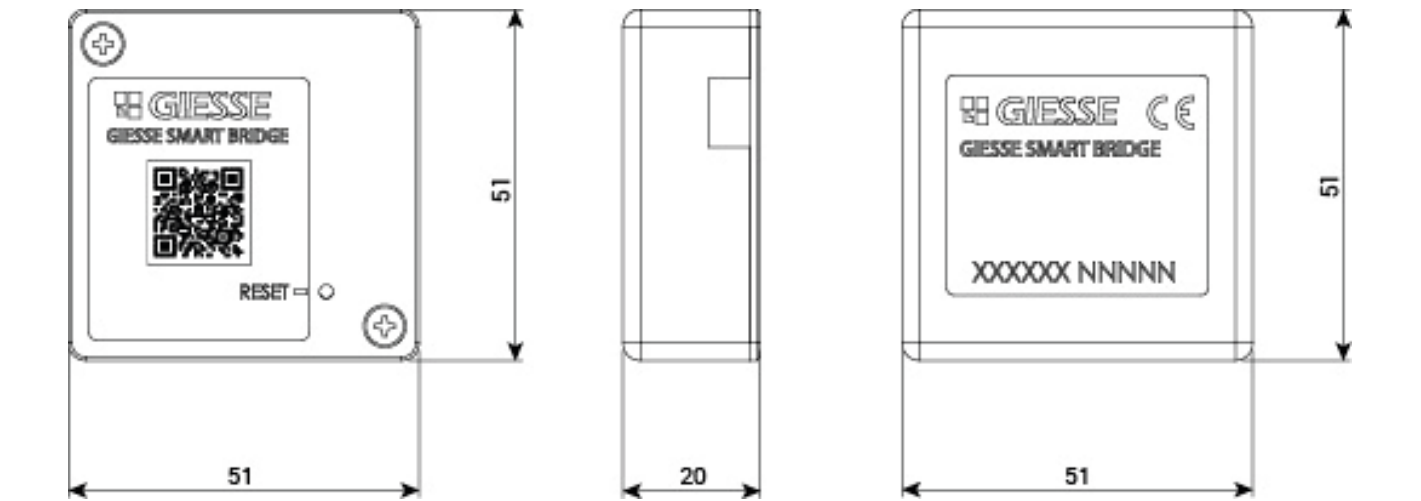
The GIESSE SMART BRIDGE is the electronic module of the GIESSE SMART platform that connects the SMART CHIC T&T Drive actuator to the GIESSE SMART App. Via a Bluetooth/BLE connection, it enables the installer to carry out commissioning, configure the system, issue commands, perform diagnostic tests and monitor its status. Thanks to centralised management via the app, installation and maintenance operations are quicker and simpler, reducing commissioning times and making on-site interventions easier.

Technical Features

The Bridge communicates with the actuator via an RS485 interface in a one-to-one configuration and manages the opening, closing and stop commands. The local connection to the GIESSE SMART App is via Bluetooth/BLE and allows pairing via a QR code, the configuration of stroke distances and intermediate positions, the performance of functional tests, and the viewing of status, events and alarms. The device also supports firmware updates, system log management and the connection of local push-buttons via dedicated inputs. Finally, the RS485 interface enables integration with external platforms and smart building systems. Developed to work with the actuator in conjunction with the hardware accessory kit.

Materials

- Fire-retardant nylon control unit housing
- Steel control unit fixing screws



Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
07854	GIESSE SMART BRIDGE		X				1