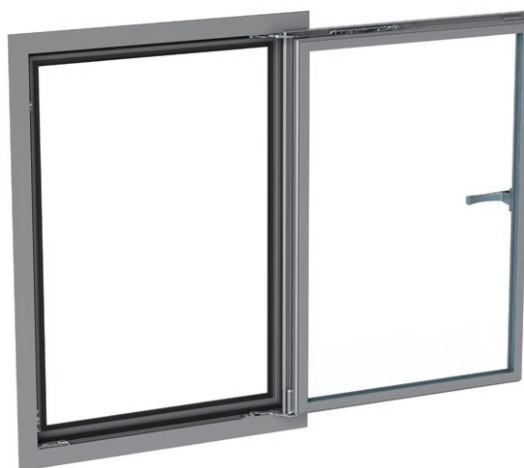


CHIC 3D 100

Functions

Complete system for the construction of concealed tilt-and-turn windows with load capacities of up to 100 kg and with 180° sash opening. Available in the standard, logic and micro-ventilation versions.



CHIC 100

Technical Features

Making a CHIC 3D 100 Tilt-and-Turn mechanism requires:

1. Set of hinges + arms
2. Set of mechanisms for cremones, window handles and NP SUPRA window handles
3. Cremone, window handle or NP SUPRA window handle (available in different models to choose from in the specific catalogue section)

Adjustments

The adjustments are micrometric and independent.

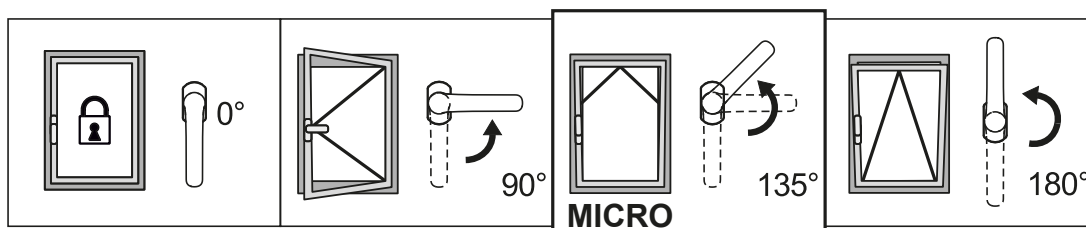
Standard microventilation

Micro-ventilation enables having simultaneously both the tilt-and-turn position and micro-ventilation (precision opening of the sash) on the casement, for better air exchange.

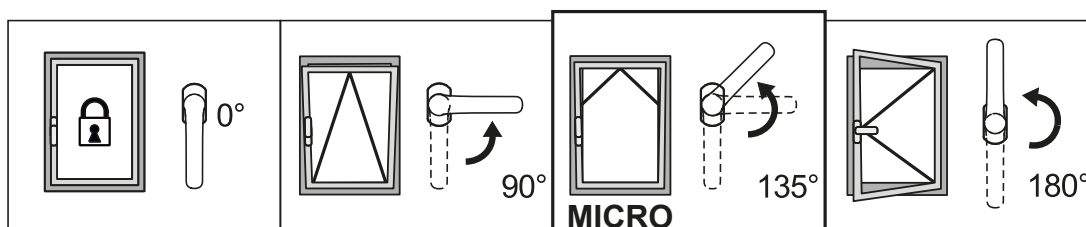
Logica

The logical operation consists in first tilt-and-turn opening (with the cremone at 90°) and secondly side-hung opening (with the cremone at 180°). Its use is particularly recommended in public buildings (schools, hospitals, etc.) in combination with a cremone with a key in order to have only tilt-and-turn window opening for safety reasons and to allow full opening only for staff with the key.

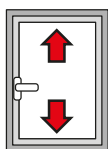
Production micro-ventilation with standard opening



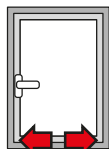
Production micro-ventilation with Logica opening



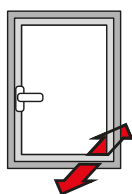
ADJUSTMENTS [mm]



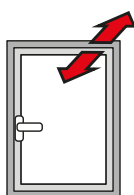
Height:
+2.5 / -1



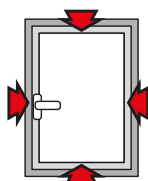
Side:
±1.5



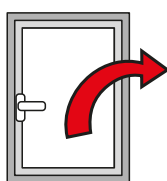
Bottom hinge compression:
+1.4 / -0.6



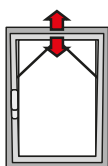
Top hinge compression:
±1.5



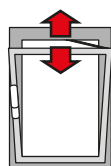
Striker compression:
±1.8



Sash fall:
+3.5 / -1.5



Micro-ventilation:
+3.6 / -1.8



T2 arm opening:
148 ÷ 178

Table of maximum glass thickness [mm]

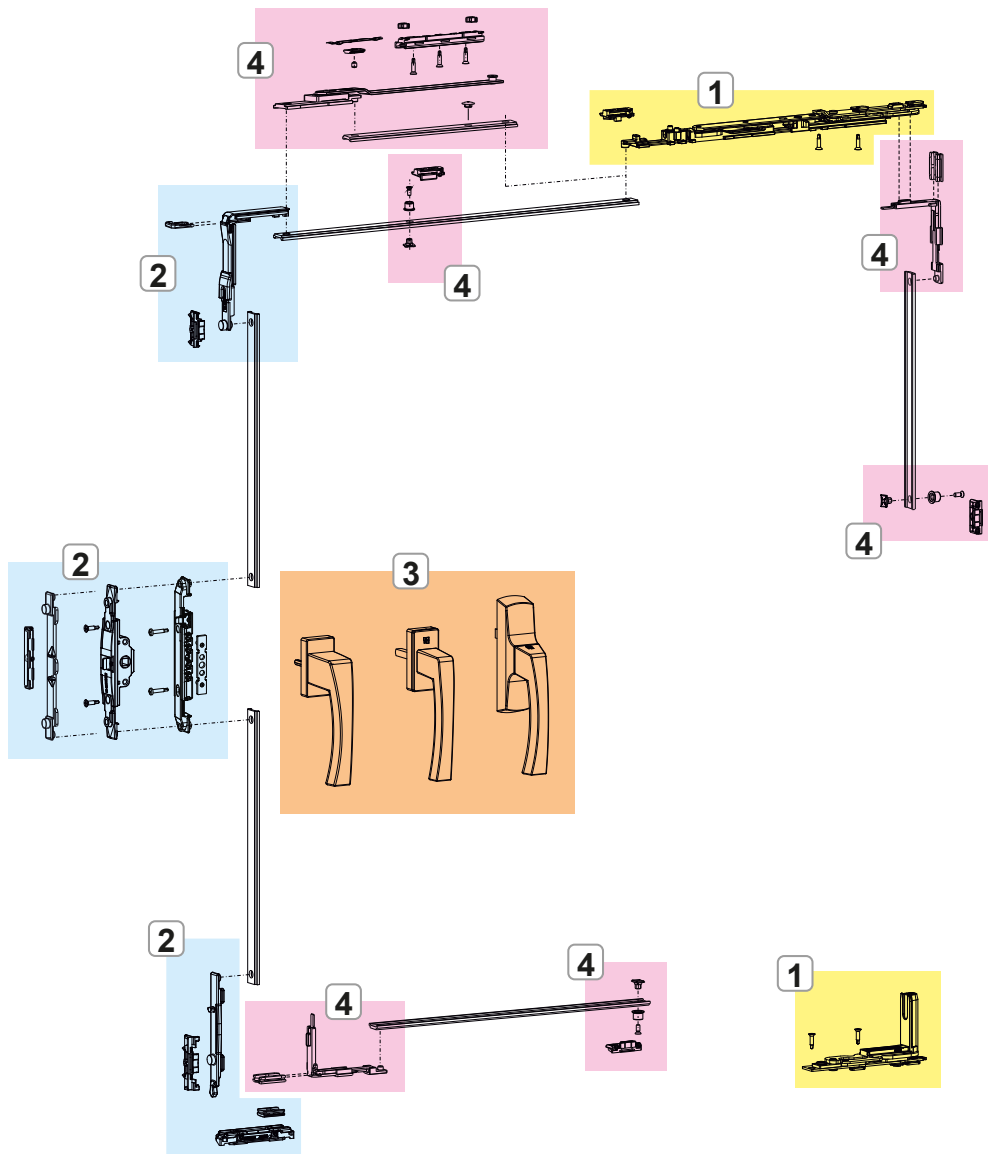
2500	33	27	23	20	18	16	15	14	13	12	11	
2400	33	27	23	20	18	16	15	14	13	12	11	
2300	34	28	24	21	19	17	16	14	13	12	11	
2200	36	30	25	22	20	18	16	15	14	13	12	
2100	37	31	27	23	21	19	17	16	14	13	12	
2000	39	33	28	25	22	20	18	16	15	14	13	
1900	41	34	30	26	23	21	19	17	16	15	14	
1800	44	36	31	27	24	22	20	18	17	16	15	
1700	46	38	33	29	26	23	21	19	18	16	15	
1600	49	41	35	31	27	25	22	20	19	17	15	
1500	50	44	37	33	29	26	24	22	20	17	15	
1400	50	47	40	35	31	28	25	23	20	17	15	
1300	50	50	43	38	34	30	27	24	20	17	15	
1200	50	50	47	41	36	33	28	24	20	17	15	
1100	50	50	50	45	40	34	28	24	20	17		
1000	50	50	50	49	42	34	28	24	20			
900	50	50	50	50	42	34	28	24				
800	50	50	50	50	42	34	28					
700	50	50	50	50	42	34						
600	445	500	600	700	800	900	1000	1100	1200	1300	1400	1500

Table of maximum load capacity [kg]

2500	100	100	100	100	100	100	100	100	100	100	100	100
2400	100	100	100	100	100	100	100	100	100	100	100	100
2300	100	100	100	100	100	100	100	100	100	100	100	100
2200	100	100	100	100	100	100	100	100	100	100	100	100
2100	100	100	100	100	100	100	100	100	100	100	100	100
2000	100	100	100	100	100	100	100	100	100	100	100	100
1900	100	100	100	100	100	100	100	100	100	100	100	100
1800	100	100	100	100	100	100	100	100	100	100	100	100
1700	100	100	100	100	100	100	100	100	100	100	100	98
1600	100	100	100	100	100	100	100	100	100	100	99	92
1500	100	100	100	100	100	100	100	100	100	100	93	87
1400	100	100	100	100	100	100	100	100	93	87	81	81
1300	100	100	100	100	100	100	100	94	87	80	75	75
1200	100	100	100	100	100	100	95	87	80	74	69	69
1100	100	100	100	100	100	95	87	79	73	68		
1000	100	100	100	100	96	87	79	72	67			
900	100	100	100	98	87	78	71	65				
800	100	100	99	87	77	69	63					
700	100	100	87	76	67	61						
600	445	500	600	700	800	900	1000	1100	1200	1300	1400	1500

CHIC 100

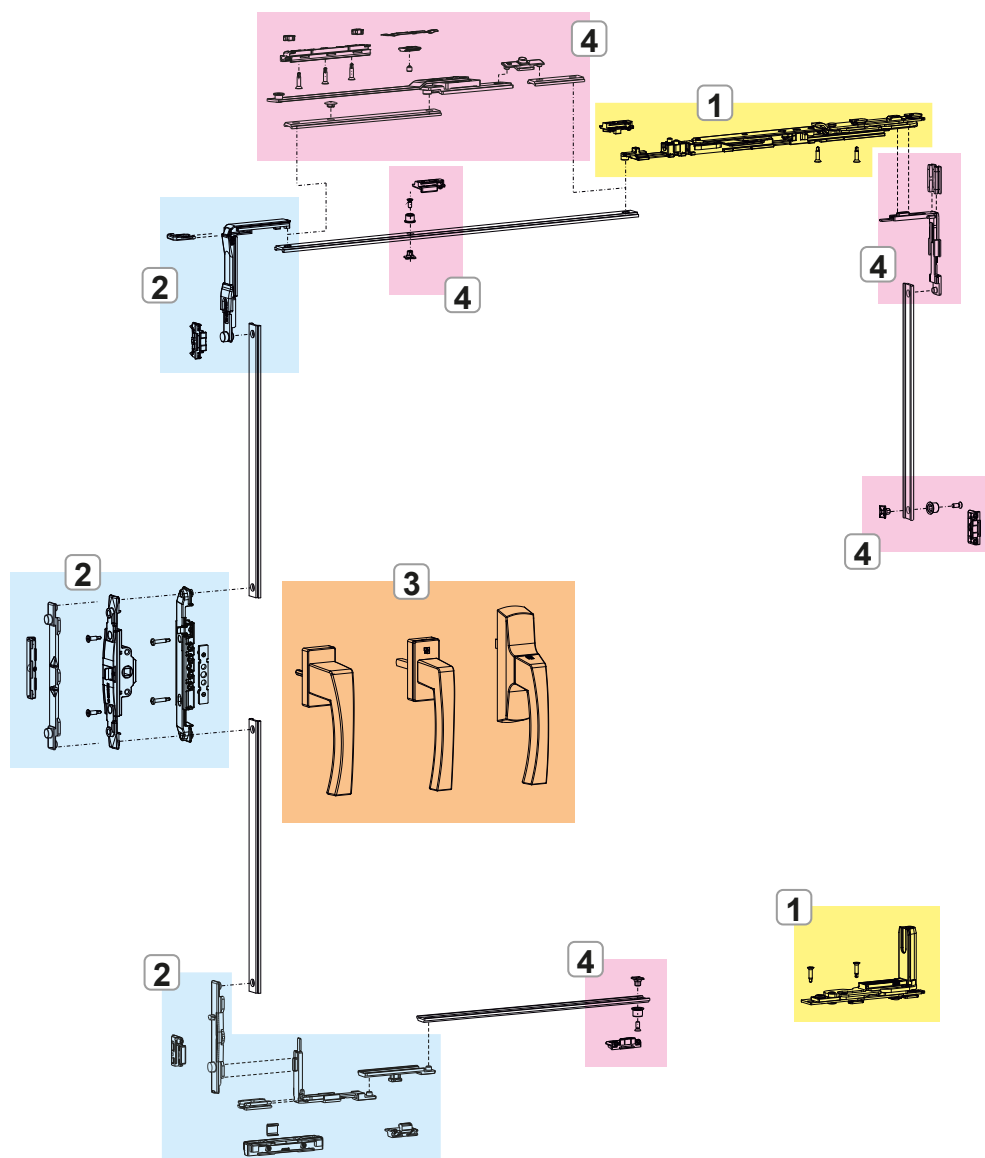
CHIC 3D 100 standard



- 1. CHIC 3D 100 HINGES AND ARMS
- 2. CHIC 3D 100 FASTENING MECHANISMS
- 3. NP SUPRA CREMONES, WINDOW HANDLES AND MECHANISMS
- 4. CHIC 3D 100 ADDITIONAL FASTENING MECHANISMS AND HARDWARE

CHIC 100

CHIC 3D 100 logica



1. CHIC 3D 100 HINGES AND ARMS
2. CHIC 3D 100 FASTENING MECHANISMS
3. NP SUPRA CREMONES, WINDOW HANDLES AND MECHANISMS
4. CHIC 3D 100 ADDITIONAL FASTENING MECHANISMS AND HARDWARE

CHIC 3D 100 HINGES AND ARMS

Functions

Set of hinges (top and bottom), completely pre-assembled and ready to be installed on the profile.

Technical Features

They enable tilt-and-turn opening combined with the mechanisms.

Micro-ventilation and logica versions.

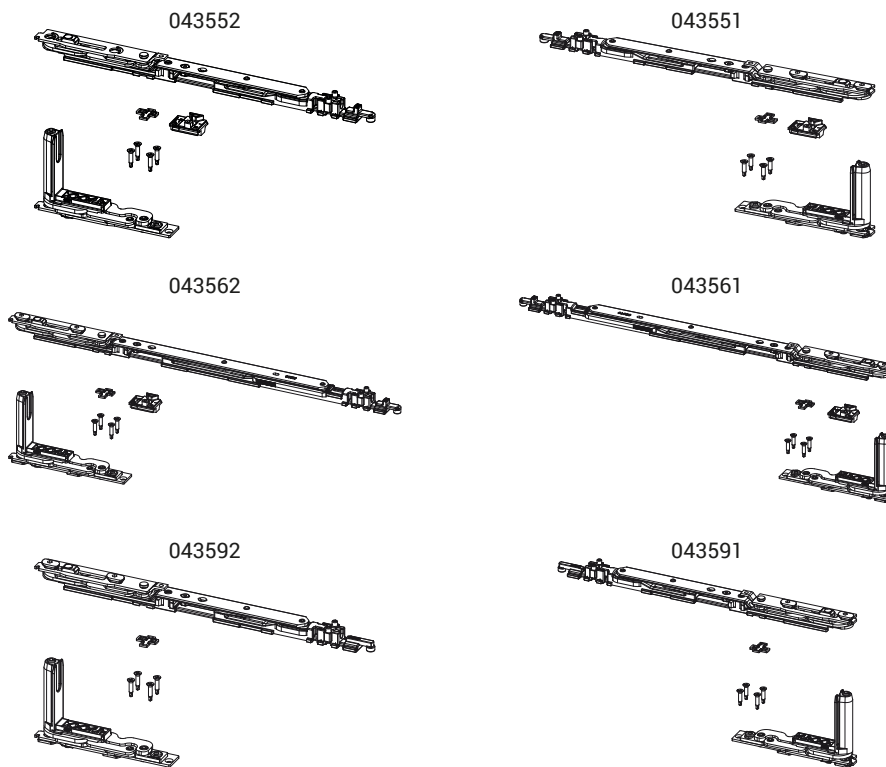
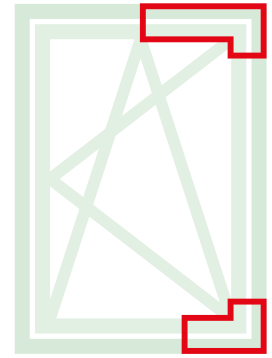
The arm is equipped with micro-ventilation as standard (adjustable).

Moving the fastening pawl takes the arm from conventional to logica.

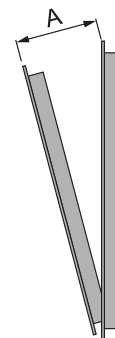
The T2 arm is adjustable: the opening "A" goes from 178 mm (base) to 148 mm.

Materials

Hinge kit (upper and lower), completely pre-assembled and ready to be installed on the profile.



Sash opening



Item code	Description	PROFILE CROSS - SECTION	Range (mm)	Version	A (mm)	Hand	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
043551	CHIC - T1 ARM T&T KIT	C001-C002-C003-C004-C005-C006	L 470 ÷ 700	Micro	98	RX	X				10
043552	CHIC - T1 ARM T&T KIT	C001-C002-C003-C004-C005-C006	L 470 ÷ 700	Micro	98	LX	X				10
043561	CHIC - T2 ARM T&T KIT	C001-C002-C003-C004-C005-C006	L 600 ÷ 1500	Micro	148÷178	RX	X				10
043562	CHIC - T2 ARM T&T KIT	C001-C002-C003-C004-C005-C006	L 600 ÷ 1500	Micro	148÷178	LX	X				10
043591	CHIC - T1 ARM T&T KIT (WITHOUT MICRO-VENTILATION)	C001-C002-C003-C004-C005-C006	L 445 ÷ 700	-	98	RX	X				10
043592	CHIC - T1 ARM T&T KIT (WITHOUT MICRO-VENTILATION)	C001-C002-C003-C004-C005-C006	L 445 ÷ 700	-	98	LX	X				10

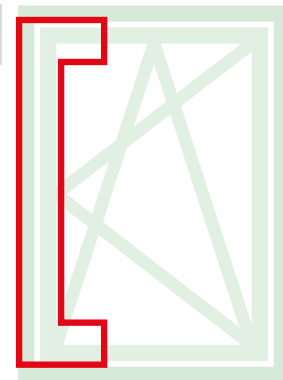
CHIC 3D 100 FASTENING MECHANISMS

Functions

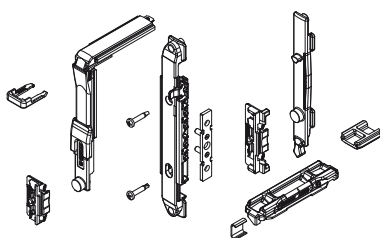
Tilt-and-Turn fastening mechanisms for cremone, window handle and NP SUPRA window handle, available in the Standard and Logica versions.

Materials

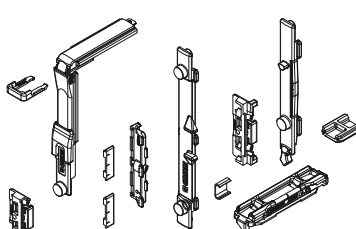
Drive, drive rod, mechanism bolt tip and strikers in zamak with GS Silver Plus finish (up to 500 h of corrosion resistance).
Screws and grub screws in stainless steel.
Polyamide raiser.



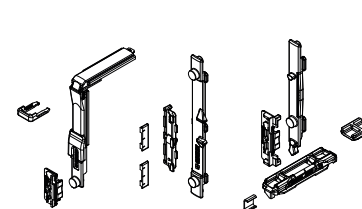
0395501



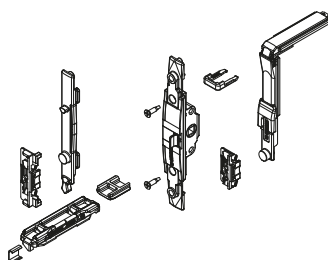
04704



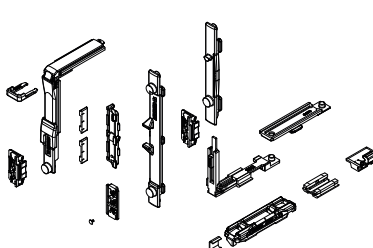
04704010



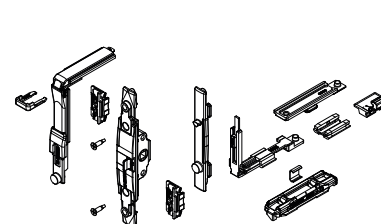
04705N



04706N



04707V



Item code	Description	PROFILE CROSS - SECTION	Window handle	Version	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
0395501	T/T FASTENING MECHANISM	C001-C002-C004-C005-C006-C013-C014-C015-C016-C017	NP SUPRA	-	X				10
04704	T/T FASTENING MECHANISM	C001-C002-C004-C005-C006-C013-C014-C015-C016-C017	Cremone	-	X				10
04704010	T/T FASTENING MECHANISM	C003	Cremone	-	X				10
04705N	T/T M 180 FASTENING MECHANISM	C001-C002-C004-C005-C006-C013-C014-C015-C016-C017	Window handle	-	X				10
04706N	T/T LOGICA FASTENING MECHANISM	C001-C002-C004-C005-C006-C013-C014-C015-C016-C017	Cremone	Logica	X				10
04707V	T/T M 180 LOGICA FASTENING MECHANISM	C001-C002-C004-C005-C006-C013-C014-C015-C016-C017	Window handle	Logica	X				10

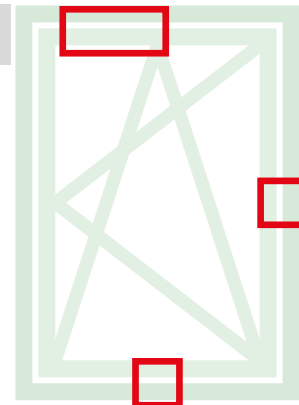
CHIC 3D 100 ADDITIONAL FASTENING MECHANISMS AND HARDWARE

Functions

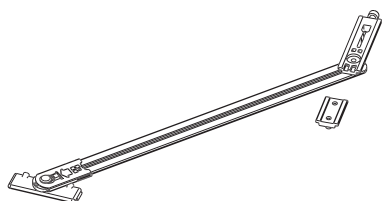
The additional fasteners make it possible to add further fastening elements that either increase the dimensions of the casement or that can be used when locking points are needed on the cross beams or hinge-side upright.

Technical Features

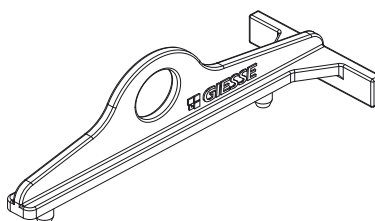
On the basis of the dimensions of the casement, additional fasteners (for $H > 1200$ mm and $W > 1000$ mm) and the additional arm (which is mandatory for $W > 1000$ mm) are to be used in combination with this mechanism.



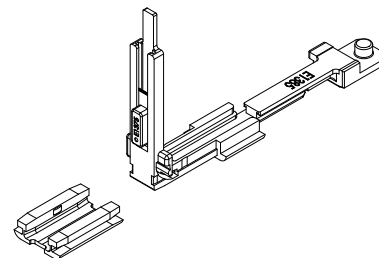
02030K



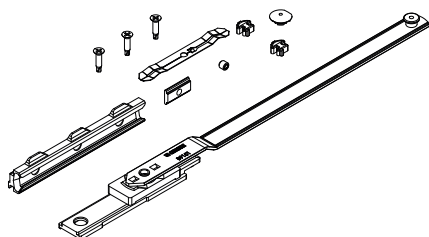
03535



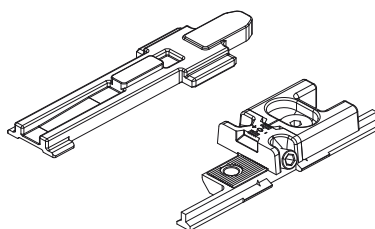
04024K



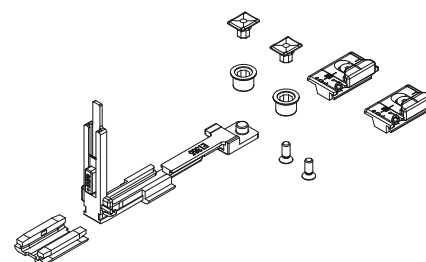
04301K



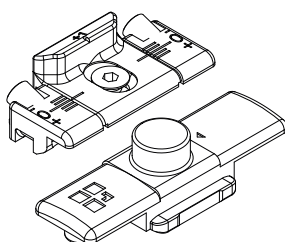
04357



04770K



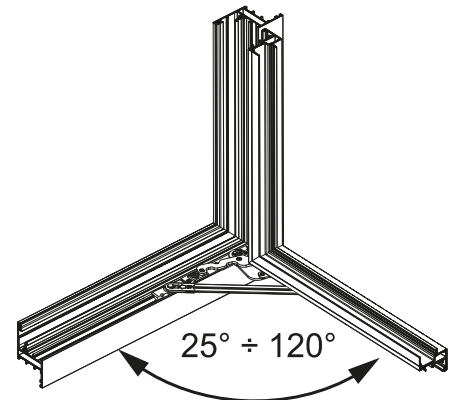
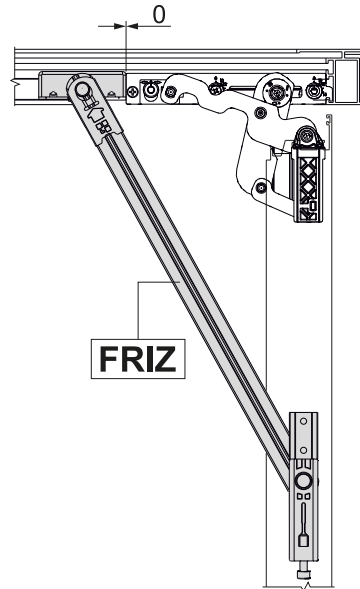
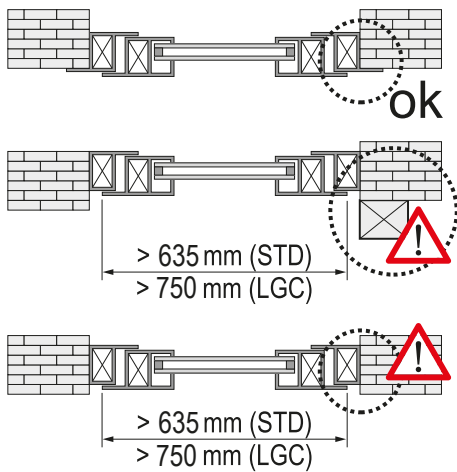
04777K



Mandatory to use the FRIZ arm

FRIZ arm positioning

Opening angle with FRIZ arm



Item code	Description	PROFILE CROSS - SECTION	Range (mm)	Version	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02030K	FRIZ STAY LIMITATION ARM	C001-C002-C004-C011-C012-C013-C014-C015-C016-C017	See picture	-	X				10
03535	CHIC - TEMPLATE FOR TILT-AND-TURN	C001-C002-C003-C004-C005-C006	-	-	X				10
04024K	CORNER DRIVE FOR FUTURA BURGLAR-PROOF FUNCTION	C001-C002-C003-C004-C005-C006-C013-C014-C015-C016-C017	-	-	X				10
04301K	T/T FUTURA ADDITIONAL ARM	C001-C002-C003-C004-C005-C006	W > 1000	-	X				5
04357	CHIC - ARM ADDITIONAL FASTENING MECHANISM	C001-C002-C003-C004-C005-C006	-	-	X				10
04770K	FUTURA ADDITIONAL FASTENING MECHANISM	C001-C002-C003-C004-C005-C006-C013-C014-C015-C016-C017	H > 1200 L > 1000	-	X				10
04777K	FUTURA ADDITIONAL FASTENING MECHANISM	C001-C002-C003-C004-C005-C006-C013-C014-C015-C016-C017	H > 1200 L > 1000	Logica	X				50

SECONDARY SASH HINGE SET FOR CHIC 3D 100

Functions

Set of hinges (top and bottom) for side-hung or secondary sash with tilt-and-turn CHIC 3D 100.

Technical Features

Sash opening to 180°.

Maximum load capacity 100 kg.

Assembly is simple, fast and easy using the special pre-assembled cams.

When there is an additional fastening mechanism, you need to use the CHIC fastening element.

Both hinges are adjustable (3D).

If opening is obstructed, you need to use the FRIZ limitation arm.

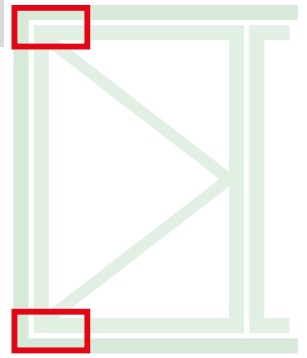
Materials

Corner support made of zamak

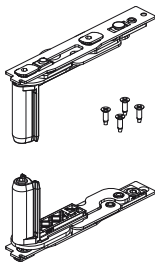
Connecting brackets and hinge plates made of zinc plated steel

Pins made of 304 grade stainless steel and aluminium bronze

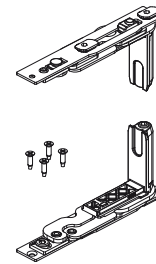
Cams made of zinc plated steel



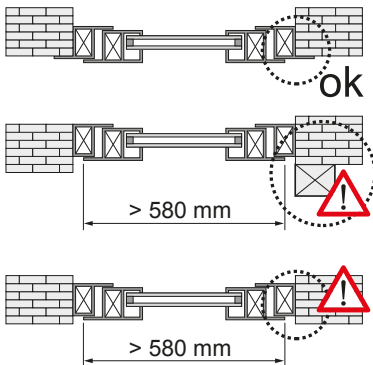
043542



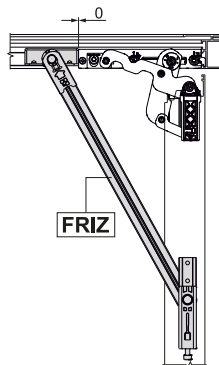
043541



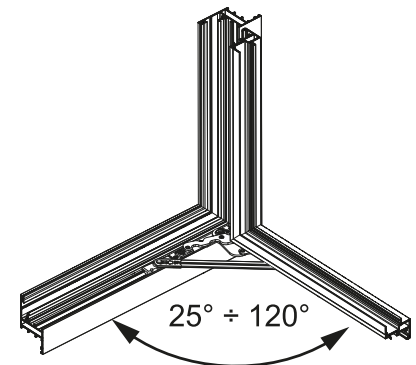
Mandatory to use the FRIZ arm



FRIZ arm positioning



Opening angle with FRIZ arm



Item code	Description	PROFILE CROSS - SECTION	Hand	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
043541	CHIC - SASH HINGE SET	C001-C002-C003-C004-C005-C006	RX	X				10
043542	CHIC - SASH HINGE SET	C001-C002-C003-C004-C005-C006	LX	X				10