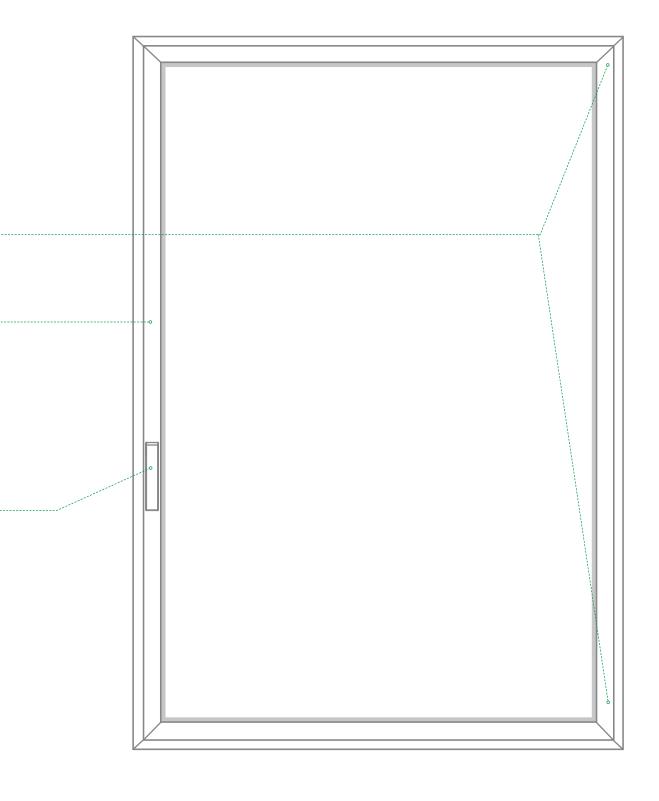


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Tilt-and-turn window



Logica version

page 5

The *Logica* safety mechanism reverses the classic tilt-and-turn window opening mechanism. It is recommended for use in public buildings such as schools and hospitals, with a *Key Capture* cremone.

Modular

The reduction in the number of parts per pack and the modularity mean that there is no need to load the warehouse unnecessarily. The intuitive system also reduces assembly times by 75%.







Burglar-proof

page 6

SKG certified components are available to achieve a RC2 or RC3 rating on a window.





Micro-ventilation

With the handle at 135°, the sash is in the microventilation position. A constant flow minimizes condensation and ensures a fresh air supply without compromising the room temperature.



Height, side and compression adjustment is possible, even on site or after the window has been installed.



Spazio Giesse

The integrated, scalable and technological solution that optimizes aluminium window production and rod cutting, minimizing costs, time and error margins.

Mechanisms

A wide choice of cremones, handles and

Supra7 handles without rosette, to blend in harmoniously with the window and surrounding environment.



LOGICA

The "Logica" version reverses the classic tilt-and-turn mechanism: with the cremone at 90°, the door opens tilted, while with the cremone at 180°, it is side-hung.

It is particularly recommended for use in public buildings such as schools and hospitals, combined with a *Key Capture* cremone. This combination enables the window to be fully opened only by the person in possession of the key, while ordinary users can only open it as a bottom-hung window, to change the air in total safety.



Handle at 0°

Closed window.



Handle at 90°

Bottom-hung opening



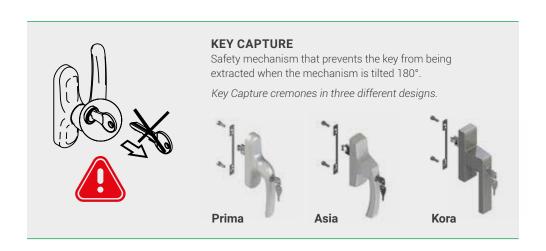
Handle at 180° only with key

Side-hung opening











SKG HARDWARE

SKG** and SKG*** certified Giesse products can be used to achieve RC2 or RC3 rating on a tilt-and-turn window.

The SKG kits include all the components and mechanisms required to set up a window of any size. They can be paired with the Futura hinges or the C.H.I.C concealed hinges, in addition to the Giesse cremones with three different designs: Prima, Asia and Kora [page 24].











C.H.I.C. 100 is Giesse's range of concealed hinges for Euro Groove tilt-and-turn windows, which improves the aesthetics and increases the value of hardware while simplifying warehouse organization.





Load capacity 100 kg

Adjustments



Bottom side = **±1.5** mm Bottom height = +2.5/-1 mm Bottom compression = **+1.4/-0.6** mm Top side = +3.5/-1.5 mm Top compression = ± 1.5 mm



Installation

The window can be installed on site in just a few steps.



Opening

Max 180°



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).



Life Cycle Assessment according to standards ISO 14040, ISO 14044, EN ISO 14025 and EN 15804



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)
043551	Kit of T/T Hinges + T1 RH arm	Yes	L = 470 - 700 mm
043552	Kit of T/T Hinges + T1 LH arm	Yes	L = 470 - 700 mm
043591	Kit of T/T Hinges + T1 RH arm	No	L = 445 – 470 mm
043592	Kit of T/T Hinges + T1 LH arm	No	L = 445 – 470 mm
043561	Kit of T/T Hinges + T2 RH arm	Yes	L = 600 - 1500 mm
043562	Kit of T/T Hinges + T2 LH arm	Yes	L = 600 - 1500 mm
04357	Additional arm fastening mechanism	-	-





Euro Groove flush systems

C.H.I.C. 100 Flush is Giesse's range of concealed hinges for Euro Groove tilt-and-turn windows with flush systems, which improves the aesthetics and increases the value of hardware while simplifying warehouse organization.



Load capacity





Bottom side = ± 1.5 mm Bottom height = $\pm 2.5/-1$ mm Bottom compression = $\pm 1.4/-0.6$ mm Top side = $\pm 3.5/-1.5$ mm Top compression = ± 1.5 mm

Installation

The installation of the door can take place on site in just a few steps.



Opening

Max **105**°



Corrosion resistance

Grade 5, the **maximum level** according to standard EN 1670 (>480h salt spray).



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)
052911	Kit of T/T Hinges + T1 RH arm	Yes	L = 485 – 700 mm
052912	Kit of T/T Hinges + T1 LH arm	Yes	L = 470 – 700 mm
052921	Kit of T/T Hinges + T2 RH arm	Yes	L = 600 - 1500 mm
052922	Kit of T/T Hinges + T2 LH arm	Yes	L = 600 - 1500 mm
05293	Limitation arm (mandatory)	-	-







C.H.I.C. 130 is Giesse's range of concealed hinges for Euro Groove tilt-and-turn windows, which improves the aesthetics and increases the value of hardware while simplifying warehouse organization.







Load capacity 130 kg

Adjustments



Bottom side = **±1.5** mm Bottom height = +2.5/-1 mm Bottom compression = **+1.4/-0.6** mm Top side = +3.5/-1.5 mm Top compression = ± 1.5 mm



Installation

The window can be installed on site in just a few steps.



Opening

Max 180°



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).



Life Cycle Assessment according to standards ISO 14040, ISO 14044, EN ISO 14025 and EN 15804



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)
044251	Kit of T/T Hinges + T1 RH arm	Yes	L = 470 – 700 mm
044252	Kit of T/T Hinges + T1 LH arm	Yes	L = 470 – 700 mm
044261	Kit of T/T Hinges + T2 RH arm	Yes	L = 600 - 1500 mm
044262	Kit of T/T Hinges + T2 LH arm	Yes	L = 600 - 1500 mm
04357	Additional arm fastening mechanism	-	-







C.H.I.C. 130 ERRE is Giesse's range of concealed hinges for R Groove tilt-and-turn windows, which improves the aesthetics and increases the value of hardware while simplifying warehouse organization.



Load capacity 130 kg





Bottom side = ± 1.5 mm Bottom height = $\pm 2.5/-1$ mm Bottom compression = $\pm 1.4/-0.6$ mm Top side = $\pm 3.5/-1.5$ mm Top compression = ± 1.5 mm

Installation

The installation of the door can take place on site in just a few steps.



Opening

Max **180**°



Corrosion resistance

Grade 5, the **maximum level** according to standard EN 1670 (>480h salt spray).



Go to the **technical datasheet**

Code	Description	Micro- ventilation	Range (mm)
052841	Kit of T/T Hinges + T1 RH arm	No	L = 450 - 475 mm
052842	Kit of T/T Hinges + T1 LH arm	No	L = 450 - 475 mm
052851	Kit of T/T Hinges + T2 RH arm	Yes	L = 475 – 700 mm
052852	Kit of T/T Hinges + T2 LH arm	Yes	L = 475 – 700 mm
052861	Kit of T/T Hinges + T2 RH arm	Yes	L = 600 - 1600 mm
052862	Kit of T/T Hinges + T2 LH arm	Yes	L = 600 - 1600 mm
05287	Additional arm fastening mechanism	-	-







C.H.I.C. 150 is Giesse's range of concealed hinges for Euro Groove tilt-and-turn windows, which improves the aesthetics and increases the value of hardware while simplifying warehouse organization.







Load capacity 150 kg

Adjustments



Bottom side = **±1.5** mm Bottom height = +2.5/-1 mm Bottom compression = **+1.4/-0.6** mm Top side = +3.5/-1.5 mm Top compression = ± 1.5 mm



Installation

The window can be installed on site in just a few steps.



Opening

Max 180°



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).



Life Cycle Assessment according to standards ISO 14040, ISO 14044, EN ISO 14025 and EN 15804



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)
0436511	Kit of T/T Hinges + T1 RH arm	Yes	L = 470 – 700 mm
0436521	Kit of T/T Hinges + T1 LH arm	Yes	L = 470 – 700 mm
0436611	Kit of T/T Hinges + T2 RH arm	Yes	L = 600 – 1500 mm
0436621	Kit of T/T Hinges + T2 LH arm	Yes	L = 600 – 1500 mm
04357	Additional arm fastening mechanism	-	-









FUTURA 130

Euro Groove

FUTURA 130 is a complete hardware system for Euro Groove tilt-and-turn windows with load capacities up to 140 kg.





Load capacity 140 kg

Adjustments



Bottom side = ± 1 mm Bottom height = ± 1.5 /-0.5 mm Bottom compression = ± 0.3 mm Top side = ± 3.5 /-1.5 mm Top compression = ± 1.5 mm



Installation

The window can be installed on site in just a few steps.



Opening

Max **180°**



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)	Arm opening (mm)
04711	Futura 130 T/T hinges	-	-	-
04202	Futura Logica T/T T1 arm	No	L = 390 - 700	120
04203	Futura Logica T/T T2 arm	No	L = 701 - 1800	175
04222	Futura Logica T/T T2 arm (160 mm)	No	L = 701 - 1800	160
04284	Futura micro T/T T1 arm	Yes	L = 410 - 700	120
04285	Futura micro T/T T2 arm	Yes	L = 701 - 1800	175
04344	Futura Logica micro T/T T1 arm	Yes	L = 410 - 700	120
04345	Futura Logica micro T/T T2 arm	Yes	L = 701 - 1800	175
04353	Futura T0 arm	No	L = 350 - 410	120
04728	Futura 130 secondary sash adapter			



FUTURA R

R Groove

FUTURA R is a complete hardware system for R Groove tilt-and-turn windows with load capacities up to 110 kg.

ESS FEE



Load capacity 110 kg

Adjustments



Bottom side = ±1.2 mm Bottom height = +1.5/-0.5 mm Bottom compression = ±0.3 mm Top side = +4/-2 mm Top compression = ±1.5 mm



Installation

The installation of the door can take place on site in just a few steps.



Opening

Max **180**°



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)
04721	Futura R T/T hinges	-	-
04380	Futura R T/T T0 arm	No	L = 360 - 425
0422901	Futura R T/T T1 arm	Yes	L = 425 - 580
0423001	Futura R T/T T2 arm	Yes	L = 581 - 1700



FUTURA 80 FLUSH

Euro Groove flush systems

FUTURA 80 Flush is a complete hardware system for Euro Groove tilt-and-turn windows with flush profiles.





Load capacity 80 kg

Adjustments



Bottom side = ±1.5 mm Bottom height = +2.5/-1 mm Bottom compression = +1.4/-0.6 mm Top side = +3.5/-1.5 mm Top compression = ±1.5 mm



Installation

The window can be installed on site in just a few steps.



Opening

Max **180**°



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).



Go to the technical datasheet

Code	Description	Micro- ventilation	Range (mm)	Arm opening (mm)
04718	Futura 80 Flush T/T hinges	-	-	-
04202	Futura Logica T/T T1 arm	No	L = 390 - 700	120
04203	Futura Logica T/T T2 arm	No	L = 701 - 1800	175
04284	Futura micro T/T T1 arm	Yes	L = 390 - 700	120
04285	Futura micro T/T T2 arm	Yes	L = 701 - 1800	175
04344	Futura Logica micro T/T T1 arm	Yes	L = 390 - 700	120
04345	Futura Logica micro T/T T2 arm	Yes	L = 701 - 1800	175



FUTURA A & F

Euro Groove

FUTURA A & F is the only complete system on the market specifically for making arched and sloping aluminium tilt-and-turn windows.



Load capacity

75 kg (depending on the window geometry)



Adjustments

Bottom side = ±1 mm Bottom height = +1.5/-0.5 mm Bottom compression = ±0.3 mm Top side = +2/-0 mm Top compression = ±1.8 mm



Installation

The installation of the door can take place on site in just a few steps.



Opening

Max **180**°



Corrosion resistance

Grade 4 according to standard EN 1670 (>240h salt spray).





Go to the **technical datasheet**

Code	Description	Micro- ventilation	Range (mm)
04671K	Futura Arch & Sloping T/T window mechanism	No	-
04023K	Variable corner drive	-	-
04301K	Additional arm	-	W > 1000



TILT-AND-TURN ADDITIONAL HARDWARE

Fastening mechanisms

For use with C.H.I.C. or Futura hinges

Code	Description	Mechanism	System
04371	M 180 small backset fastening mechanism	Window handle / Supra7	Euro Groove
0470501	M 180 fastening mechanism	Window handle / Supra7	Euro Groove
0470701	Logica M 180 fastening mechanism	Window handle / Supra7	Euro Groove
04766N	M 180 fastening mechanism	Window handle / Supra7	R Groove
04704	Fastening mechanism	Cremone	Euro Groove
04767V	Fastening mechanism	Cremone	R Groove
04706N	Logica fastening mechanism	Cremone	Euro Groove
04768N	Logica fastening mechanism	Cremone	R Groove

BALCONY DOOR

Giesse hinges such as **Futura** or **C.H.I.C.** concealed hinges can also be used on tilt-and-turn balcony doors, in combination with the appropriate one-way movement, lock (strength> 45 Nm) and double window handle.

This type of window can also be moved and closed from the outside.



Code	Description	Notes	System
00945	Mechanism	32 mm backset	Euro Groove
00946	Lock	32 mm backset	Euro Groove
00947	T/T mechanism with movement	Lock not included	Euro Groove



Additional arms

For use with C.H.I.C. or Futura hinges

Code	Description	Range (mm)	System
02030K	Friz stay limitation arm	see Giesse GTC	Euro Groove
02034K	Friz stay limitation arm	see Giesse GTC	R Groove
04301K	Additional arm	W > 1000	Euro Groove
04308K	Additional arm	W > 1000	R Groove

Additional fastening mechanisms

For use with C.H.I.C. or Futura hinges, except where otherwise specified in the description

Code	Description	Range (mm)	System
04770K	Additional fastening mechanism	H > 1200 W > 1000	Euro Groove
04648K	Additional vert./horiz. fastening mechanism GS999	H > 1200 W > 1000	R Groove
05287	Additional arm fastening mechanism C.H.I.C. 130 ERRE		R Groove
04777K	Additional Logica fastening mechanism	H > 1200 W > 1000	Euro Groove
04357	Additional arm fastening mechanism C.H.I.C.		Euro Groove

Corner drives

For use with C.H.I.C. or Futura hinges, except where otherwise specified in the description

Code	Description	System
04019K	Futura corner drive for 15/20 groove	Euro Groove
04023K	Futura A&F variable corner drive	Euro Groove
04024K	Burglar-proof corner drive	Euro Groove
04017K	Burglar-proof corner drive	R Groove



Additional hardware

For use with C.H.I.C. or Futura hinges

Code	Description	System
04014K	T/T drive rod	Euro Groove
04026K	T/T bolt tip	Euro Groove
04311	Sash opening lock	-

SKG products

For use with C.H.I.C. or Futura hinges

Code	Description	SKG**	SKG***	Notes
04007	Tilt-and-Turn window kit	~	~	
04000	Burglar-proof fastening mechanism	~	×	
04009	Burglar-proof fastening mechanism	×	~	
04107	Incorrect movement safety device	×	~	
04300	Additional arm	~	~	L >1000 mm
0119102	Prima microvent key capture cremone	~	~	
00960	Kora microvent key capture cremone	~	~	
0108501	Asia microvent key capture cremone	~	~	

Templates

Code	Description	System
03535	C.H.I.C. template	Euro Groove
05289	C.H.I.C. 100 Flush template	Euro Groove
03548	C.H.I.C. 130 ERRE template	R Groove
03520	Futura template	Euro Groove



TILT-AND-TURN MECHANISMS









PRIMA	ASIA	KORA	ARIA

Supra7 - window handle without rosette

04155 standard **04397** double

04153 standard **04395** double

04154 standard **04396** double

04156 standard **04398** double

Window Handles

02476 standard

02415 standard

00997 standard 00992 RH offset 009962 LH offset 030491 RH offset wide base

030492 LH offset wide base

20

×

×

Cremones

01159001 standard **01039** microvent

0119102 SKG microvent key capture

0114901 key capture 01192 Logica key capture 01194 Logica microvent key capture

01209 long handle

01064 MP tilt-and-turn window

01083 tilt-and-turn window

01084 microvent **01086** key capture

01087 microvent key capture **0108501** SKG microvent key

capture **01079 + 01111** away **01196** with MP key 00959 microvent

00961 Logica key capture **00962** Logica microvent key capture

00960 SKG microvent key capture





Discover the collections of **Reguitti** and **Reguitti inox** tilt-and-turn window handles





Seals



Q-LON polyurethane foam weatherseals

The exclusive Q-LON seal is made from a special polyurethane foam contained in a weather resistant polyethylene film.

- Excellent recovery after compression, even at low temperatures
- The lowest thermal conductivity on the market (0.04 W/m•K at 0 °C)
- Low compression force required
- The outer film is not altered by paints, detergents and colourants
- High resistance to weather and UV rays
- Exceptional sound insulation performance
- Wide range of colours
- Fire retardant version available





Full technical datasheet

Extruded seals

Seals made in a range of extruded materials can be combined with foam seals.

- Very wide range of colours available
- Three different densities and materials for optimal performance
- Configurable geometries from the simplest to the most specific shapes



Full technical datasheet

