

CHIC

STYLE MUST BE FELT, NOT SEEN

 **GIESSE**

2016 THE JOURNEY BEGINS

CONCEALED.
HARDWARE.
INNOVATIVE.
COMPONENTS.

Aluminium casements embody modernity and innovation, which have always been the signature characteristics of the Giesse ethos.

The properties of aluminium made it a natural medium for developing casements with minimalist profiles and higher glazing ratio for a more essential and brighter look. And with accessories hidden from view.

Mainly thanks to Giesse, *concealed* accessories are now commonplace. But it was a different story just a few years ago.





Mirko Scheda
Product Manager

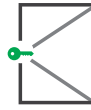
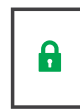
The C.H.I.C. project was a challenging one on a number of levels. The technical solutions that we adopted needed to be innovative—and therefore patented—to make an impact on the market. They also had to make use of new materials not commonly used in the aluminium casement sector. Finally, the most difficult challenge was to miniaturise the components and conceal them inside the profile.

It hasn't been an easy road. We carried out hundreds of tests and, as often happens, we faced various challenges that enabled us to understand and improve where necessary. The results are now there for all to see. Even more so today, as the range includes an increasing number of new increasingly high-performance products.



A COMPLETE RANGE

It is a common misconception that style and performance cannot go hand-in-glove. With the C.H.I.C. range, however, reducing the sash and frame profile brings a number of technical and practical benefits.



Tilt-and-turn window

- Load capacity up to 150 kg
- 180° opening
- 3D adjustment
- Micro-ventilation as standard
- Same product for Standard and Logica
- Also available for balcony doors
- Can be combined with Giesse SKG burglar-proof hardware



Side-hung

- Load capacity up to 150 kg
- 180° opening
- 3D adjustment
- Minimum width 160 mm, also ideal for ventilation sashes
- Also available for security sashes
- Can be combined with Giesse SKG burglar-proof hardware



Antonio Giacon

Product Manager

We extended the C.H.I.C. range to include the new C.H.I.C. Door EG and RG, the first concealed hinges on the market for doors with Euro Groove and R Groove systems.

Giesse concealed hinges are now available for all the most popular opening types and profiles on the market. All of the products offer the benefits of the C.H.I.C. concept: certified quality, large openings, high load capacities and easy assembly.



Bottom-hung window

- Load capacity up to 250 kg
- Max sash width 2.5 m
- Height and compression adjustments
- Sash rest elements to relieve weight with closed sash
- 180° opening for easier installation



Door

- Load capacity up to 150 kg
- 105° opening
- Height and compression adjustments
- Silver and Black finishes



CERTIFIED QUALITY AND SUSTAINABILITY

- **Maximum corrosion resistance**

Grade 5, the maximum level in accordance with European standard EN 1670 (resistance of more than 480 hours in salt spray), for use even in environments with severe climatic conditions.

- **Patented**

C.H.I.C. hinges are patented solutions.
All design, development and production stages are Made in Italy.

- **CE Marking**

C.H.I.C. Door hinges bear the CE marking in accordance with standard EN 1935:2004 (class 12), which involves testing with 200,000 opening and closing cycles.

- **RAL certification**

C.H.I.C. products for tilt-and-turn windows have been awarded the RAL-GZ 607/3 quality certification by PIV, Velbert (Germany).

- **EPD - Environmental Product Declaration**

C.H.I.C. products for Euro Groove tilt-and-turn windows have been awarded the EPD certification. Life Cycle Assessment completed in accordance with standards ISO 14040, ISO 14044, EN ISO 14025 and EN 15804.



Giovanni Liconti

Sustainability Manager

The Tyman group's sustainability roadmap involves exploiting certifications from independent bodies as a tool for a transparent and quantifiable assessment of environmental performance.

Accurately measuring the impact of a product throughout its life cycle means the sustainability of different products can be compared correctly and objectively. That is why we have chosen to certify

C.H.I.C. products with EPD: a guarantee of reliability recognised worldwide.



A MINIMALIST BUILDING

By combining **Giesse** hardware with **Schlegel** seals and **Regutti** designer handles, it is possible to create high-performance minimalist windows exclusively using our Group's accessories.

 **GIESSE**



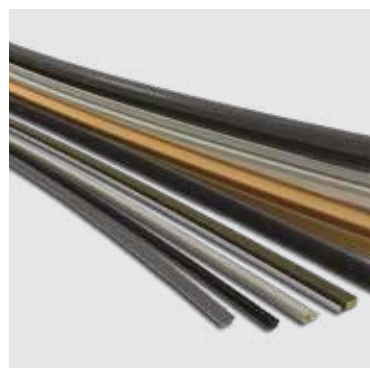
Discover the Supra7 window handles without base

 **REGUITTI**



Discover the range of minimalist handles

Schlegel



Discover the coloured seals that fit every profile



Massimiliano Palumbo
Business Development Director

Current and future architectural solutions result in bold buildings with innovative and minimal construction design. This leads to an increase in demand for accessories suited to windows with increasingly large glazed surfaces. Minimalist windows are currently the only solution that can ensure maximum glass exposure and aesthetic appeal, as well as performance characteristics that comply with building regulations. Tyman International invests in developing highly innovative solutions across the entire product range for different customer types.

THE RANGE

Single tilt-and-turn window (standard and Logica)



Code	Description	Microventilation	Notes
C.H.I.C. 100 kg for Euro Groove			
043551	C.H.I.C. – Kit T/T Hinges + T1 RH arm	Yes	L = 470 – 700 mm
043552	C.H.I.C. – Kit T/T Hinges + T1 LH arm	Yes	L = 470 – 700 mm
043591	C.H.I.C. – Kit T/T Hinges + T1 RH arm	No	L = 445 – 470 mm
043592	C.H.I.C. – Kit T/T Hinges + T1 LH arm	No	L = 445 – 470 mm
043561	C.H.I.C. – Kit T/T Hinges + T2 RH arm	Yes	L = 600 – 1500 mm
043562	C.H.I.C. – Kit T/T Hinges + T2 LH arm	Yes	L = 600 – 1500 mm
04357	Additional arm fastening mechanism		
C.H.I.C. 100 kg for Euro Groove, for flush systems			
052911	C.H.I.C. Flush – RH T1 arm	Yes	L = 485 – 700 mm
052912	C.H.I.C. Flush – LH T1 arm	Yes	L = 485 – 700 mm
052921	C.H.I.C. Flush – RH T2 arm	Yes	L = 600 – 1500 mm
052922	C.H.I.C. Flush – LH T2 arm	Yes	L = 600 – 1500 mm
05293	C.H.I.C. Flush – Limitation arm (mandatory)		
C.H.I.C. 130 kg for Euro Groove			
044251	C.H.I.C. – Kit T/T Hinges + T1 RH arm	Yes	L = 470 – 700 mm
044252	C.H.I.C. – Kit T/T Hinges + T1 LH arm	Yes	L = 470 – 700 mm
044261	C.H.I.C. – Kit T/T Hinges + T2 RH arm	Yes	L = 600 – 1600 mm
044262	C.H.I.C. – Kit T/T Hinges + T2 LH arm	Yes	L = 600 – 1600 mm
04357	Additional arm fastening mechanism		
C.H.I.C. 150 kg for Euro Groove			
043651	C.H.I.C. – Kit T/T Hinges + T1 RH arm	Yes	L = 472 – 700 mm
043652	C.H.I.C. – Kit T/T Hinges + T1 LH arm	Yes	L = 472 – 700 mm
043661	C.H.I.C. – Kit T/T Hinges + T2 RH arm	Yes	L = 600 – 1500 mm
043662	C.H.I.C. – Kit T/T Hinges + T2 LH arm	Yes	L = 600 – 1500 mm
01348K	Single striker		
C.H.I.C. 130 kg for R Groove			
052841	C.H.I.C. – Kit T/T Hinges + T1 RH arm	No	L = 450 – 475 mm
052842	C.H.I.C. – Kit T/T Hinges + T1 LH arm	No	L = 450 – 475 mm
052851	C.H.I.C. – Kit T/T Hinges + T1 RH arm	Yes	L = 475 – 700 mm
052852	C.H.I.C. – Kit T/T Hinges + T1 LH arm	Yes	L = 475 – 700 mm
052861	C.H.I.C. – Kit T/T Hinges + T2 RH arm	Yes	L = 600 – 1600 mm
052862	C.H.I.C. – Kit T/T Hinges + T2 LH arm	Yes	L = 600 – 1600 mm
05287	Additional arm fastening mechanism		

Bottom-hung window



Code	Description	Notes
C.H.I.C. Bottom-hung window 250 kg for Euro Groove		
04362	C.H.I.C. – Bottom-Hung Window Hinge Kit	L < 2500 mm
04363	C.H.I.C. – Bottom-Hung Window Lifting Element ¹	
C.H.I.C. Bottom-hung window 250 kg for R Groove		
05295	C.H.I.C. – Bottom-Hung Window Hinge Kit	L < 2500 mm
05296	C.H.I.C. – Bottom-Hung Window Lifting Element ¹	

¹ to be added to the Hinge Kit for doors larger than 1500 mm

Side-hung sash, secondary sash and ventilation sash



Code	Description	Notes
C.H.I.C. 100 kg for Euro Groove		
043541	C.H.I.C. – RH Side-Hung Sash Hinge Kit	L = 160 – 1500 mm
043542	C.H.I.C. – LH Side-Hung Sash Hinge Kit	L = 160 – 1500 mm
C.H.I.C. 100 kg for Euro Groove, flush systems		
052901	C.H.I.C. Flush – RH Side-Hung Sash Hinge Kit	L = 200 – 1500 mm
052902	C.H.I.C. Flush – LH Side-Hung Sash Hinge Kit	L = 200 – 1500 mm
C.H.I.C. 130 kg for Euro Groove		
044241	C.H.I.C. – RH Side-Hung Sash Hinge Kit	L = 200 – 1600 mm
044242	C.H.I.C. – LH Side-Hung Sash Hinge Kit	L = 200 – 1600 mm
04358	Adjustable fastening element	H > 1200 mm
C.H.I.C. 150 kg for Euro Groove		
043641	C.H.I.C. – RH Side-Hung Sash Hinge Kit	L > 300 mm
043642	C.H.I.C. – LH Side-Hung Sash Hinge Kit	L > 300 mm
05288	Adjustable fastening element	H > 1200 mm
C.H.I.C. 130 kg for R Groove		
052831	C.H.I.C. – RH Side-Hung Sash Hinge Kit	L = 200 – 1600 mm
052832	C.H.I.C. – LH Side-Hung Sash Hinge Kit	L = 200 – 1600 mm
05288	Adjustable fastening element	

Entrance door



Code	Description	Notes
C.H.I.C. Door for Euro Groove		
00725020	C.H.I.C. Door EG	Anodized silver
00725190	C.H.I.C. Door EG	Anodized black
02030000K	Fritz limitation arm ²	
C.H.I.C. Door for R Groove		
00726020	C.H.I.C. Door RG	Anodized silver
00726190	C.H.I.C. Door RG	Anodized black
02034000K	Fritz limitation arm ²	
C.H.I.C. Door for overlap door systems without channel		
00753020	C.H.I.C. Door 160	Anodized silver
00753190	C.H.I.C. Door 160	Anodized black
00757	Thickness 1mm ³	
C.H.I.C. Door for flush door systems without channel		
00750020	C.H.I.C. Door 160	Anodized silver
00750190	C.H.I.C. Door 160	Anodized black
00757	Thickness 1mm ³	

² recommended to limit maximum door opening (105°)

³ stackable up to a maximum of 3mm (for systems with sash/frame distance >16mm)



GIESSE



CHIC 150

**HIGHER LOAD CAPACITY.
STILL INVISIBLE.**

- 180° opening
- 3D adjustment
- Quick and easy assembly
- Maximum corrosion resistance (Grade 5 - EN 1670)
- Designed and manufactured in Italy
- Sustainable packaging
- Environmental Product Declaration

 **EPD**®
THE INTERNATIONAL EPD® SYSTEM



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Quanex
A Part of Something Bigger™