

# CHIC

STYLE MUST BE FELT, NOT SEEN

 **GIESSE**  
TYMAN group

# 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**

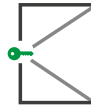
*The C.H.I.C. project was a challenging one on a number of levels. The technical solutions that we adopted needed to be innovative—and therefore patented—to make an impact on the market. They also had to make use of new materials not commonly used in the aluminium casement sector. Finally, the most difficult 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 130 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 130 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

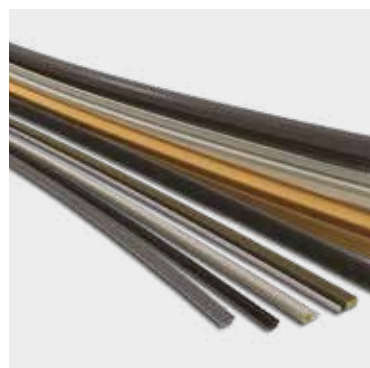
By combining **Giesse** hardware with **Schlegel** seals and **Reguitti** designer handles, it is possible to create high-performance minimalist windows exclusively using Tyman International accessories.



Discover the Supra7 window handles without base



Discover the range of minimalist handles



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)

Description	Article	Notes
<b>C.H.I.C. 100 kg for Euro Groove</b>		
C.H.I.C. – Kit T/T Hinges + T1 RH arm	043550001	L = 470 – 700 mm
C.H.I.C. – Kit T/T Hinges + T1 LH arm	043550002	L = 470 – 700 mm
C.H.I.C. – Kit T/T Hinges + T1 RH arm without micro-ventilation	043590001	L = 445 – 470 mm
C.H.I.C. – Kit T/T Hinges + T1 LH arm without micro-ventilation	043590002	L = 445 – 470 mm
C.H.I.C. – Kit T/T Hinges + T2 RH arm	043560001	L = 600 – 1500 mm
C.H.I.C. – Kit T/T Hinges + T2 LH arm	043560002	L = 600 – 1500 mm
Additional arm fastening mechanism	04357	
<b>C.H.I.C. 100 kg for Euro Groove, flush systems</b>		
C.H.I.C. Flush – RH T1 arm	052910001	L = 485 – 700 mm
C.H.I.C. Flush – LH T1 arm	052910002	L = 485 – 700 mm
C.H.I.C. Flush – RH T2 arm	052920001	L = 600 – 1500 mm
C.H.I.C. Flush – LH T2 arm	052920002	L = 600 – 1500 mm
C.H.I.C. Flush – Limitation arm (mandatory)	05293000	
<b>C.H.I.C. 130 kg for Euro Groove</b>		
C.H.I.C. – Kit T/T Hinges + T1 RH arm	044250001	L = 470 – 700 mm
C.H.I.C. – Kit T/T Hinges + T1 LH arm	044250002	L = 470 – 700 mm
C.H.I.C. – Kit T/T Hinges + T2 RH arm	044260001	L = 600 – 1600 mm
C.H.I.C. – Kit T/T Hinges + T2 LH arm	044260002	L = 600 – 1600 mm
Additional arm fastening mechanism	04357	
<b>C.H.I.C. 130 kg for R Groove</b>		
C.H.I.C. – Kit T/T Hinges + T1 RH arm without micro-ventilation	052840001	L = 450 – 475 mm
C.H.I.C. – Kit T/T Hinges + T1 LH arm without micro-ventilation	052840002	L = 450 – 475 mm
C.H.I.C. – Kit T/T Hinges + T1 RH arm	052850001	L = 475 – 700 mm
C.H.I.C. – Kit T/T Hinges + T1 LH arm	052850002	L = 475 – 700 mm
C.H.I.C. – Kit T/T Hinges + T2 RH arm	052860001	L = 600 – 1600 mm
C.H.I.C. – Kit T/T Hinges + T2 LH arm	052860002	L = 600 – 1600 mm
Additional arm fastening mechanism	05287	



## Side-hung sash, secondary sash and ventilation sash

Description	Article	Notes
<b>C.H.I.C. 100 kg for Euro Groove</b>		
C.H.I.C. – RH Side-Hung Sash Hinge Kit	043540001	L = 160 – 1500 mm
C.H.I.C. – LH Side-Hung Sash Hinge Kit	043540002	L = 160 – 1500 mm
<b>C.H.I.C. 100 kg for Euro Groove, flush systems</b>		
C.H.I.C. Flush – RH Side-Hung Sash Hinge Kit	052900001	L = 200 – 1500 mm
C.H.I.C. Flush – LH Side-Hung Sash Hinge Kit	052900002	L = 200 – 1500 mm
<b>C.H.I.C. 130 kg for Euro Groove</b>		
C.H.I.C. – RH Side-Hung Sash Hinge Kit	044240001	L = 200 – 1600 mm
C.H.I.C. – LH Side-Hung Sash Hinge Kit	044240002	L = 200 – 1600 mm
Adjustable fastening element	04358	H > 1200 mm
<b>C.H.I.C. 130 kg for R Groove</b>		
C.H.I.C. – RH Side-Hung Sash Hinge Kit	052830001	L = 200 – 1600 mm
C.H.I.C. – LH Side-Hung Sash Hinge Kit	052830002	L = 200 – 1600 mm
Adjustable fastening element	05288	



## Bottom-hung window

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

<sup>1</sup> to be added to the Hinge Kit for doors larger than 1500 mm

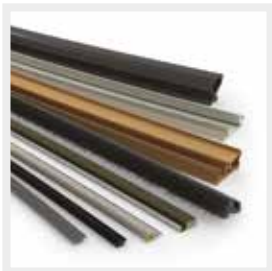


## Entrance door

Description	Article	Notes
<b>C.H.I.C. Door for Euro Groove</b>		
C.H.I.C. Door EG	00725020	Anodized silver
C.H.I.C. Door EG	00725190	Anodized black
Fritz limitation arm <sup>2</sup>	02030020	Anodized silver
Fritz limitation arm <sup>2</sup>	02030190	Anodized black
<b>C.H.I.C. Door for R Groove</b>		
C.H.I.C. Door RG	00726020	Anodized silver
C.H.I.C. Door RG	00726190	Anodized black
Fritz limitation arm <sup>2</sup>	02034020	Anodized silver
Fritz limitation arm <sup>2</sup>	02034190	Anodized black
<b>C.H.I.C. Door for overlap door systems without channel</b>		
C.H.I.C. Door 160	00753020	Anodized silver
C.H.I.C. Door 160	00753190	Anodized black
Thickness 1mm <sup>3</sup>	00757000	
<b>C.H.I.C. Door for flush door systems without channel</b>		
C.H.I.C. Door 160	00750020	Anodized silver
C.H.I.C. Door 160	00750190	Anodized black
Thickness 1mm <sup>3</sup>	00757000	

<sup>2</sup> recommended to limit maximum door opening (105°)

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



**Schlegel**

High performance sealing solutions



**GIESSE**

Innovative engineered hardware



**REGUITTI**

Italian design handles



**JATEC**

Timeless exclusive handles