## Multi-talented: TITAN from SIEGENIA

# For production efficiency and customer satisfaction

For many years, our SIEGENIA TITAN hardware, tried and tested in timber and PVC windows, has been ensuring time and cost savings in the production process and has satisfied end users over the long term. The continual further development of the hardware series has been considered from all sides by the company and stands for 360° room comfort as well as high-performance details with additional benefits.

#### Efficient processes

The TITAN hardware is distinguished by the mere possibility of assembly on the pre-weld profile. It is the only hardware to allow the harmonisation of the cycle times and a customised distribution of work processes across the entire production. The click-on coupling point provides more efficiency in assembly on the completed sash: by simply sliding under the corner drive, it supports quick positioning and rapid further fabrication both for automatic and manual assembly. The strengths of the click-on coupling point also include its insensitivity to production tolerances. Moreover, all sash components are equipped with efficient groove clamping for quick and secure assembly.

The further strengths of the TITAN hardware are equally convincing. The fine serration with 1.5 mm tooth pitch and the large coupled bevels ensure secure, precise joints with little clearance. Any possible remaining tolerances are compensated by the practical stop plate, which also protects against corrosion damage. TITAN hardware also offers cost-effectiveness in the production due to the long tool lives for the croppers, due to the straight trimming cut and the well-conceived modular structure with short and long components. It shapes production processes particularly flexibly and allows, for example, the uncomplicated achievement of a wide range of different window rebate heights up to 2,200 mm with only one hinge-side corner drive and without extension parts.

The comfort mushroom cam has also been setting standards with its continuous height adjustment of up to 2.5 mm and its clever locking function to secure the correct adjustment position. Well-known for its high production and assembly efficiency, the comfort mushroom cam also ensures permanent ease of use together with a burglar resistance up to RC4. With its pioneering design, the clever component combines end-user benefits like security, sealing and smooth-running and is very convincing in everyday use thanks to a durably optimally adjusted window.

#### Flexibility for a wide range of requirements

We place great importance on the topic of versatility for TITAN. Three different versions for integration of the sash lifters into the tilt points – the sash lift, the slider with sash lift roller and the sash lift arm – guarantee maximum flexibility. Consistently geared towards saving time and a lean inventory, they create tangible benefits for fabricators due to their high degree of preassembly and offer the freedom of design to fulfil the vast range of customer requirements.

The additional option of the achievement of resistance class RC2 with the aid of one single tilt point is efficient and offers a high degree of flexibility. This is supported by the integrated mishandling device, which is available for all three versions on request. The coordinated TITAN security striker plate additionally allows the option of an integrated logoclip, enabling fabricators to fit their own company logos. The logos can either be ordered separately or pre-mounted on the security striker plate.

#### Captions

Image database: SIEGENIA

*Image I: SIE\_TITAN\_Kuppelstelle\_Feinverzahnung\_RGB.jpg*

The fine toothing with a 1.5 mm tooth pitch and large coupled bevels guarantees a reliable and precise joint with minimal play in the coupling – precision that can be felt in the smooth operation of the window.

*Image II: SIE\_TITAN\_Kipppunkte\_RGB.jpg*

Versatility is an important feature of TITAN: three different versions for integration of the sash lifters into the tilt points – the sash lift, the slider with sash lift roller and the sash lift arm – guarantee maximum versatility.

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| Publisher  SIEGENIA GROUP  Marketing Communications  Industriestraße 1 - 3  D-57234 Wilnsdorf Germany  Phone: +49 271 3931-412  Fax: +49 271 3931-77412  E-mail: pr@siegenia.com  www.siegenia.com | Edited by / Contact  Kemper Kommunikation  Kirsten Kemper  Am Milchbornbach 10  D - 51429 Bergisch Gladbach Tel.: +49 2204 9644808  E-mail: info@kemper-kommunikation.de  www.kemper-kommunikation.de | Text Information  Pages: 2  Words: 545  Characters: 3 561 (with spaces)  Created: 2022-10-05 |
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