



# GEZE Slimdrive SL NT PAS 24 System







# Contents.

Introduction to PAS 24	3
Slimdrive SL NT - PAS 24 system	6
Technical drawings	9
Buildcheck certificate	11
TUV certificate	12
Summary	13

Ambulances Only  
No Unauthorised Access  
Entrance 2 - Adults

## PAS 24.

**GREATER DEMANDS ARE BEING PLACED ON BUILDINGS, ESPECIALLY ENTRANCES WHICH NEED TO PROVIDE ACCESSIBILITY, ACCESS CONTROL, EMERGENCY ESCAPE ROUTES AND INCREASINGLY IMPORTANT, SECURITY.**

PAS 24 is a Product Assessment Specification; it provides a method for testing and assessing the enhanced security performance requirements of doorsets and windows and is intended to resist the methods of attack associated with the casual or opportunist burglar. It is intended to offer a level of security suitable for dwellings and other buildings.

- PAS 24 is a UK orientated accreditation and a standard which is recognised throughout the construction industry and by those involved in the security of residential buildings.
- Since October 2015 any dwelling must comply with Building Regulation Part Q which states that reasonable provision must be made to resist unauthorised access to any dwelling and any part of a building from which access can be gained to a flat within a building.
- PAS 24 is a primary reference in the Building Regulation Approved Document Part Q.

Introduced for increasing security in residential dwellings, its key points are now being cascaded to other types of buildings where security with escape routes are a high priority such as hospitals, or buildings where security is the highest consideration such as airports, train stations and banks.



## PAS 24 TESTING

Under PAS 24 a series of tests are performed including manual attack, in which the test engineer uses a range of tools anywhere on the door over a 15 minute period, impact testing of both 'soft body' and 'hard body' objects, and force testing in which loads are applied for up to 5 minutes.

The door must withstand all of the tests.



**JACK**  
ALUMINIUM SYSTEMS

GEZE UK have worked with Jack Aluminium Systems, one of the UK's leading aluminium glazing systems companies, to develop this new security system for automatic sliding doors. GEZE is at the forefront in the UK in achieving and meeting the requirements for this enhanced security standard with its new PAS 24 automatic sliding door system.



# Benefits of the Slimdrive SL NT with PAS 24 accreditation.

## VISUAL

The locking system is hidden from view, making it more difficult for the opportunist burglar to attack and contributing to an aesthetically pleasing entrance.

## SECURITY

The Slimdrive SL NT with PAS 24 accreditation is not just a lock but a whole door system with a specially designed, unique locking system that uses existing tried and tested technology integrated with GEZE systems. It will protect against opportunistic burglary or attack.

## ESCAPE

Securing those inside a building is not the only priority, in an emergency fast evacuation from a building is imperative. The system functionality allows the door state to be set to fail safe, i.e. open and remain open on alarm activation, if this is a requirement of the building escape strategy, guaranteeing that the door will not become an obstacle when exiting the building.

## ACCESS CONTROL

Maintaining security yet still allowing 24 hour access control is easy for the Slimdrive SL NT with PAS 24, the system has been designed and tested to be used continuously with access control. A significant advantage of the GEZE system is that the door is locked upon each activation providing the assurance of PAS 24 security every time it locks. This functionality can even be maintained in the event of a complete power failure for a period of time if required.





## Slimdrive SL NT.

GEZE's Slimdrive SL NT with PAS 24 accreditation has all the advantages of the latest Slimdrive technology. At just seven centimetres the automatic operator is the slimmest on the market enabling the Slimdrive SL NT to be almost invisibly integrated into the façade -perfect for glass façades. It can also move leaf weights up to 125kg and is virtually silent in operation and now with PAS 24 accreditation the highest level of security is assured.

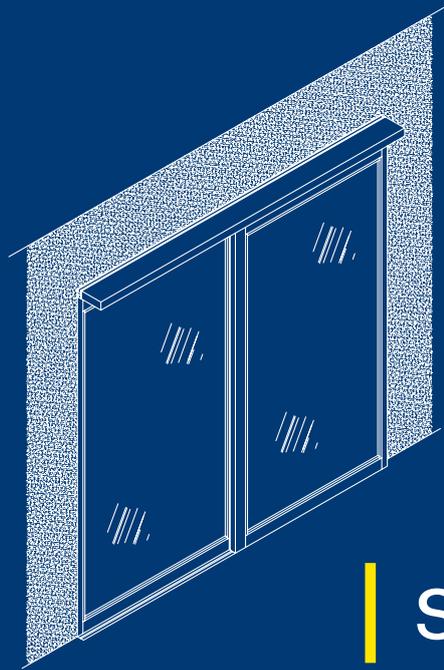


## Features of the GEZE Slimdrive SL NT at a glance

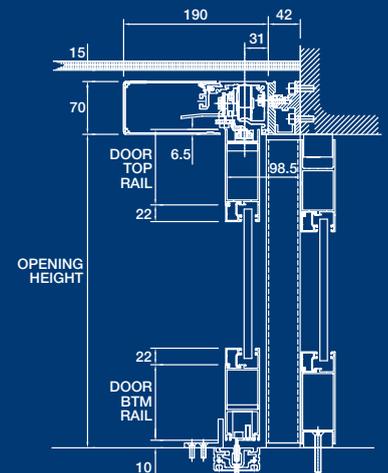
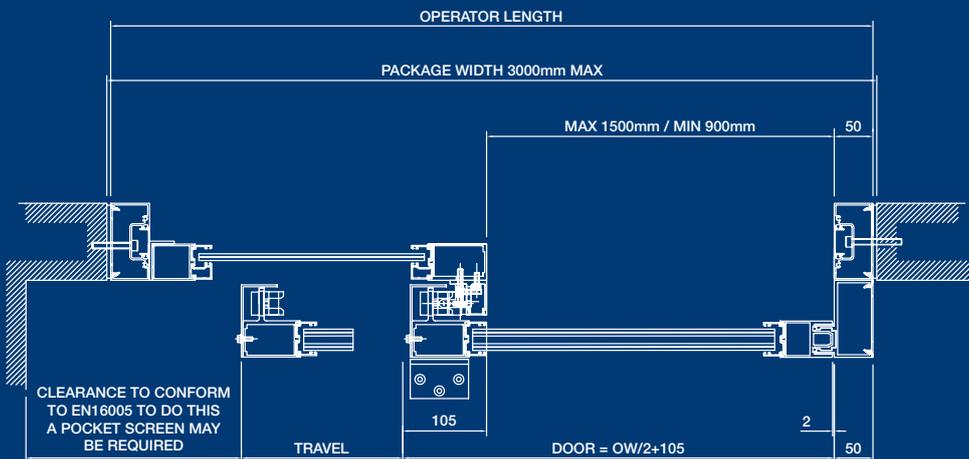
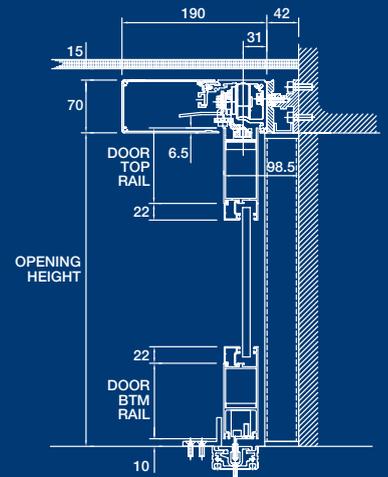
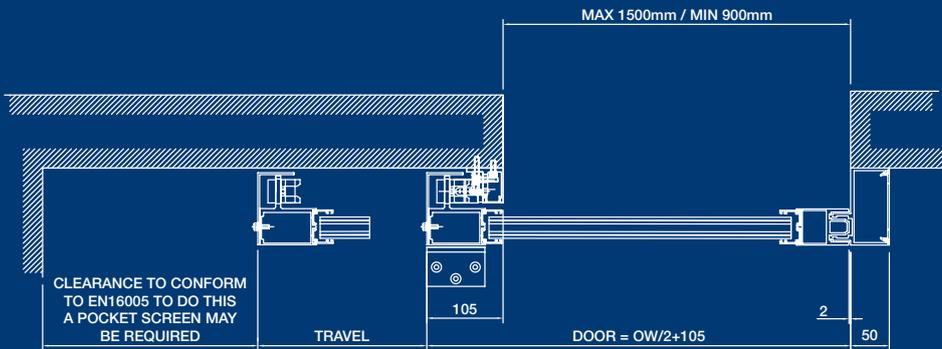
- Simple to install and maintain
- Can be installed on to a single transom
- GEZEconnects – the wireless interface
- Increased leaf weights: 2 x 125kg
- Self-cleaning roller carriage
- Safety tested to DIN 18650

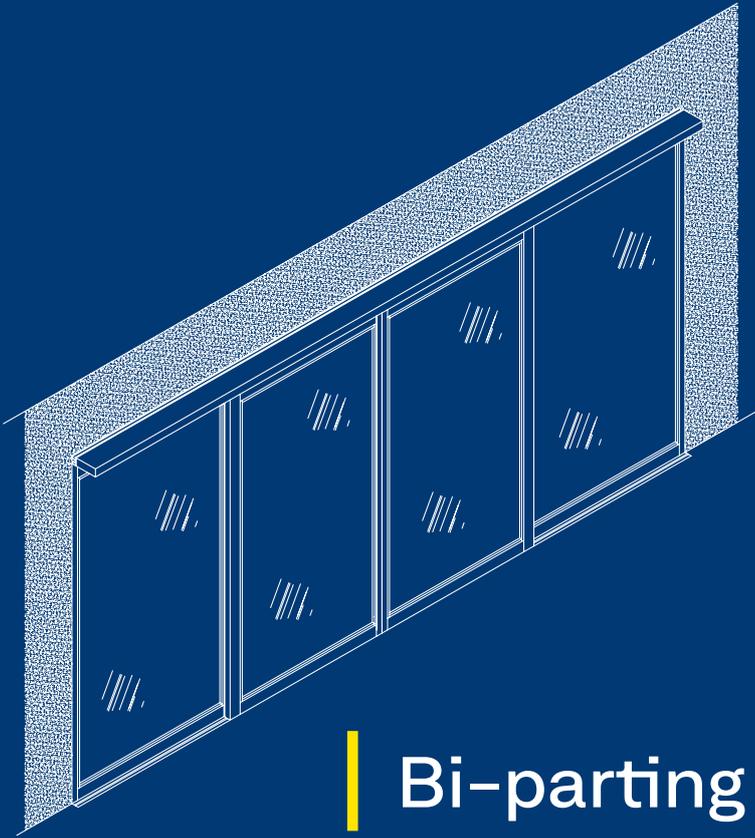
## Dimensions – Unique and only from GEZE: The 7cm high drive

- Drive installation dimensions:  
70mm x 190mm (height x depth)
- Drive type: single and double  
leaf variants possible
- Weight: up to 125kg per leaf
- Opening width:  
Single leaf only 900mm to 1500mm  
Double leaf 900mm to 3000mm

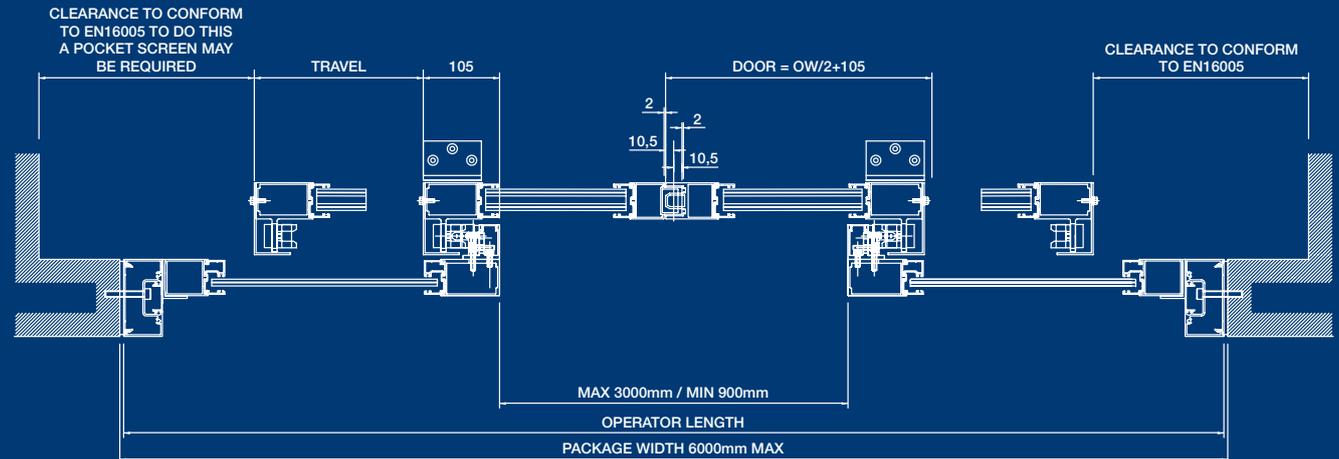
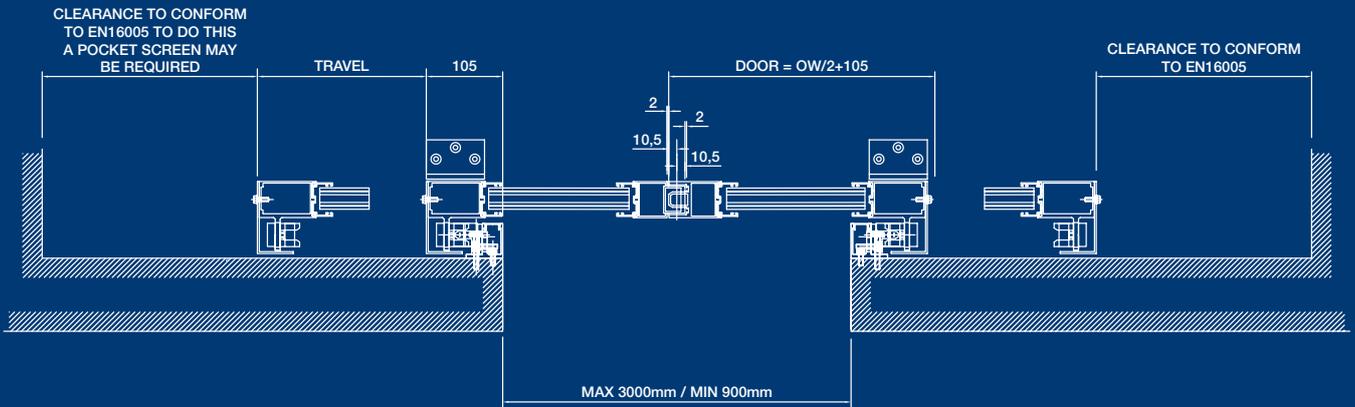


# Single.





# Bi-parting.





Report in Accordance with  
PAS 24:2016

**Enhanced security performance  
requirements for doorsets and  
windows in the UK**

Report reference: CW17477-1

Issue date: 6 March 2018

Project: Slimdrive SL NT Doorset

Prepared for: GEZE UK Ltd  
Blenheim Way  
Fradley Park  
Litchfield  
Staffordshire  
WS13 8SY

Test Engineer(s): Dennis Humm

**Build Check Ltd**  
Montrose House  
Lancaster Road  
Cressex Business Park  
High Wycombe  
Bucks HP12 3PY

Tel: 01494 452713 Fax: 0870 210 1013  
E-mail: [info@buildcheck.co.uk](mailto:info@buildcheck.co.uk)





### Certificate no.: P-3470/09

(Only valid under the conditions on the reverse)

**Approval owner:** GEZE GmbH  
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

**Production plants:** GEZE GmbH  
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Type Approval Mark:

Validity period:  
31/12/2021



**Product:** Automatic sliding door

**Typ:** Slimdrive SL NT

**applied standards:**

- DIN 18650-1/2:2010-06  
Powered pedestrian doors
- DIN EN 16005:2013-01  
Power operated pedestrian doorsets – Safety in use
- DIN EN 60335-1:2012-10  
Household and similar electrical appliances – Safety
- DIN EN 60335-2-103:2016-05  
Household and similar electrical appliances - Safety Part 2-103:  
Special requirements for drives for gates, doors and windows
- DIN EN ISO 13849-1/2:2016-06 and 2013-02  
Safety of machinery - Safety-related parts of control systems

as well as applicable standards, regulations and directives listed in the  
aforementioned test specifications.

**Test result:**

The requirements listed in the standards are fulfilled by the product.

The approval for use of the test mark shown above is thus given, in accordance with the conditions printed on the reverse. This certificate replaces certificate P-3470/09 dated 19/04/2013.

Zella-Mehlis/Germany, 14/12/2017

Technischer Überwachungsverein Thüringen e.V.  
Test Centre for Construction Products

Dipl.-Ing. (FH) Reichelt  
Head of the Test Centre



# A Perfect Entrance System.

## THE GEZE SLIMDRIVE SL NT PAS 24 SYSTEM ACHIEVES OUTSTANDING SECURITY, WHILST MEETING THE EVER GREATER DEMANDS ON BUILDINGS.

The system combines increased security – the whole door system utilises a secure locking system using tried and tested technology – with a fully failsafe electronic locking system for fast evacuation in an emergency.

Maintaining security yet still allowing 24 hour access control is also easy with the Slimdrive SL NT with PAS 24 – it's been designed and tested to be used continuously with access control.

As the robust locking system on the Slimdrive SL NT with PAS 24 is hidden from view it is harder for an opportunist burglar to identify the easiest point to attack and provides a more aesthetically attractive entrance.

GEZE's proven technology of the Slimdrive SL NT together with the fully tested PAS 24 security system all adds up to the perfect entrance system offering accessibility, access control, emergency escape routes and security.





Automatic door

Automatic door



**UK Headquarters**

GEZE UK Ltd. Blenheim Way, Fradley Park,  
Lichfield, Staffordshire WS13 8SY

**Tel:** +44 (0) 1543 443000 **Fax:** +44 (0) 1543 443001

**Email:** [info.uk@geze.com](mailto:info.uk@geze.com) **Web:** [www.geze.co.uk](http://www.geze.co.uk)

Connecting expertise –  
building solutions.

