

Notified body No. 1121  
Warrington Certification Limited, Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK

## Certificate of constancy of performance

### 1121-CPR-AC5018

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

### Single-Axis-Hinges

**“4” x 4” x 3mm, 4” x 3” x 3mm, 4” x 3.5” x 3mm**

Intended use: For use on fire / smoke compartmentation doors and on escape route doors

Essential characteristics	Performance	Harmonised technical specification
	<b>Mechanical test evidence: 182544, 182544/a, 182544/b</b> <b>Fire test evidence: 186747</b>	
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation  Overload  Shear strength  Hinges for use on fire-resistant and/or smoke-controls doors	< 4,0 Nm  Passed with a displacement under load: -lateral < 2 mm -vertical < 4 mm and a residual displacement after unloading. -lateral < 0,1 mm -vertical < 0,3 mm Passed  Passed with a lateral and vertical displacement after unloading < 3 mm  Grade 1: suitable for use on fire/smoke resistant door assemblies. A single leaf steel door having a mass of 120 Kg, fitted with this hinge has passed a fire test to EN 1634-1	EN 1935:2002
Durability  Families of hinges with common design feature  Corrosion resistance	Passed a 200 000 cycles test with a maximum wear: -lateral < 0,2 mm -vertical < 0,8 mm and with a maximum frictional torque. -after 20 cycles < 4.0 Nm -after the completion of 200 000 cycles < 4.0 Nm The hinge covered by this CPR is the hinge tested Grade 4: 240	EN 1935:2002
Dangerous substances	Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	EN 1935:2002



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produced for

**GEZE Industries ( Tianjin ) Co.Ltd  
No 16 Shuang Chen Zhong Road,  
Beichen Economic Development Area  
Beichen District, Tianjin, China**

and produced in the manufacturing plant

**J025**

***This is coded form and the information is held by the Notified Body***

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

**EN 1935: 2002**

under system 1 of AVCP are applied and that

***the product fulfils all the prescribed requirements set out above.***

This certificate was first issued on **04/07/2013** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

A handwritten signature in black ink, appearing to read "Paul Duggan".

Paul Duggan  
Certification Manager  
Warrington Certification Ltd