

Notified Body No. 2812

## Certificate of Constancy of Performance 2812-CPR-AC5124

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

### J9500 Series Grade 7 Stainless Steel Hinges See Annex A

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

| Essential characteristics  | Performance   | Harmonised technical specification |
|--|---|------------------------------------|
| Mechanical test evidence: WIL 351905, WIL 351907, WIL 351908, WIL 351910 & WIL 435844<br>Fire test evidence: WF 351241 & WF 353712 iss.2 |   |                                    |
| Self-closing<br>Initial friction torque (door mass 40kg)<br>Static load<br>Load deformation  | < 2Nm<br><br>Passed with a displacement under load:<br>- lateral < 2mm<br>- vertical < 4mm<br>and a residual displacement after unloading:<br>- lateral < 0.6mm<br>- vertical < 0.3mm<br>- within the shaded area of figure G.1 | EN 1935:2002 / AC:2003             |
| Overload<br><br>Shear strength   | Passed<br><br>Passed with a lateral and vertical displacement after unloading < 3mm<br>Not applicable for lift-off hinges   |                                    |
| Hinges for use on fire-resistant and/or smoke-controls doors   | Grade 1: suitable for use on fire/smoke resistant door assemblies   |                                    |
| Durability   | Passed a 200,000 cycle test with a maximum wear:<br>- lateral < 0.5mm<br>- vertical < 1mm<br>and with a maximum frictional torque.<br>- after 20 cycles < 2Nm<br>- after the completion of 200,000 cycles < 2Nm                 |                                    |
| Families of hinges with common design features   | The hinges covered by this certificate are listed in Annex A  |                                    |
| Corrosion resistance   | Grade 4: 240 hours  |                                    |
| 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)                           |                                    |

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Placed on the market under the name of:

**Frelan Hardware  
Mitcham Industrial Estate  
Streatham Rd  
Mitcham  
Surrey  
CR4 2AP  
United Kingdom**

and produced in the manufacturing plant

**J/089**

**This is coded format 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:

**EN 1935:2002 / AC:2003**

Under System 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **21/10/2020** and re-issued on **20/09/2023** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Notified Product Certification Body.

CE Marking certificate valid to: **19/09/2026**

ERO Project Reference: **ERO 034621 P2045**



Pascal Coget  
General Manager - European Certification

**Certificate of Constancy of Performance****2812-CPR-AC5124****Annex A**

| <b>Model Reference</b> | <b>Description</b>  |
|------------------------|---|
| J9502SSS               | 76 x 50 x 2mm stainless steel grade 201 ball bearing butt hinge<br>Satin stainless steel finish<br>Square corners |
| J9504SSS               | 76 x 50 x 2mm stainless steel grade 201 washered butt hinge<br>Satin stainless steel finish<br>Square corners     |
| J9505SSS               | 102 x 76 x 2mm stainless steel grade 201 washered butt hinge<br>Satin stainless steel finish<br>Square corners    |
| J9506SSS               | 76 x 50 x 2mm stainless steel grade 316 washered butt hinge<br>Satin stainless steel finish<br>Square corners     |