

Notified Body No. 2812

## Certificate of Constancy of Performance

**2812-CPR-AC5129**

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:

### J8500 Series Grade 7 Mild Steel Hinge See Annex A

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

Essential characteristics	Performance	Harmonised technical specification
<b>Mechanical test evidence: WIL 438465 &amp; WIL 422997-1</b> <b>Fire test evidence: WF 429674 &amp; WF 430075 iss. 1</b>		
Self-closing Initial friction torque (door mass 40kg) Static load Load deformation  Overload  Shear strength  Hinges for use on fire-resistant and/or smoke-controls doors	<p style="text-align: center;">&lt; 2Nm</p> <p>Passed with a displacement under load:            - lateral &lt; 2mm            - vertical &lt; 4mm            and a residual displacement after unloading:            - lateral &lt; 0.6mm            - vertical &lt; 0.3mm            - within the shaded area of figure G.1</p> <p style="text-align: center;">Passed</p> <p>Passed with a lateral and vertical displacement after unloading &lt; 3mm</p> <p style="text-align: center;">Grade 1: suitable for use on fire/smoke resistant door assemblies</p>	<b>EN 1935:2002 / AC:2003</b>
Durability  Families of hinges with common design features  Corrosion resistance	<p>Passed a 200,000 cycle test with a maximum wear:            - lateral &lt; 0.5mm            - vertical &lt; 1mm            and with a maximum frictional torque.            - after 20 cycles &lt; 2Nm            - after the completion of 200,000 cycles &lt; 2Nm</p> <p>The hinge covered by this certificate are listed in Annex A</p> <p style="text-align: center;">Grade 4: 240 hours</p>	
Dangerous substances	<p>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)</p>	

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Placed on the Market under the Name of:

**Frelan Hardware Ltd  
Unit 10 Mitcham Industrial Estate  
Streatham Road  
Mitcham  
Surrey  
CR4 2AP  
United Kingdom**

and produced in the manufacturing plant:

**CUC89710-1**

**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 described in Annex ZA of the standard(s):

**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 **16/12/2021** and re-issued on **11/10/2024** 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.

Valid to: **15/12/2027**

ERO Project Reference: **ERO 034621 P2339**



**Pascal Coget**  
General Manager – European Certification

CSF408-NL 8.0

Notified Body No. 2812

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### Annex A

Model Reference	Description
J8501	89 x 58 x 2.2mm mild steel ball bearing hinge Square corners
J8502	76 x 50 x 2.2mm mild steel ball bearing hinge Square corners

Hinges available in the following finishes:

**BR**  
**GM**  
**MB**

**Bronze**  
**Gun metal**  
**Matt black**

**PC**  
**SC**  
**SN**

**Polished chrome**  
**Satin chrome**  
**Satin nickel**

